

2 часть

Main Catalogue 29 · 2007 - 2009

The BEGA Main Catalogue is a working document for all light planners and designers. It provides information on technical and lighting data of well over 2000 luminaires, their possible areas of application as well as their constructive and design quality.

Main Catalogue 29 is published in:

German, English, French, Dutch, Italian, Swedish, Danish, Norwegian and Spanish.

It replaces Main Catalogue 28 which is no longer valid.

BEGA

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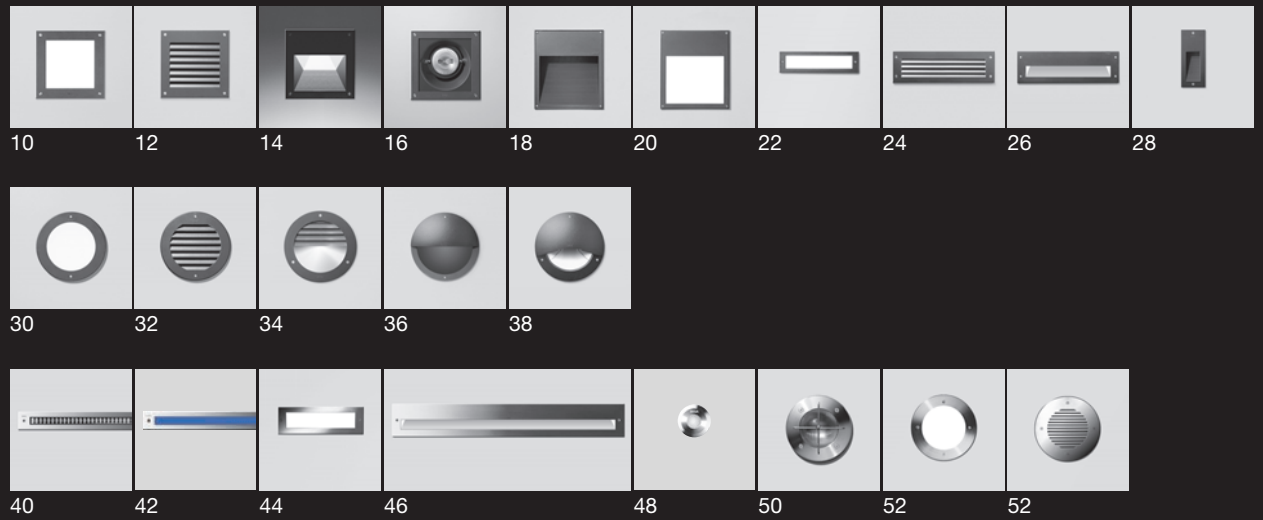
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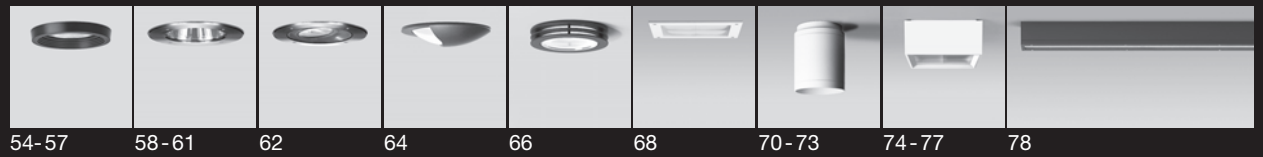
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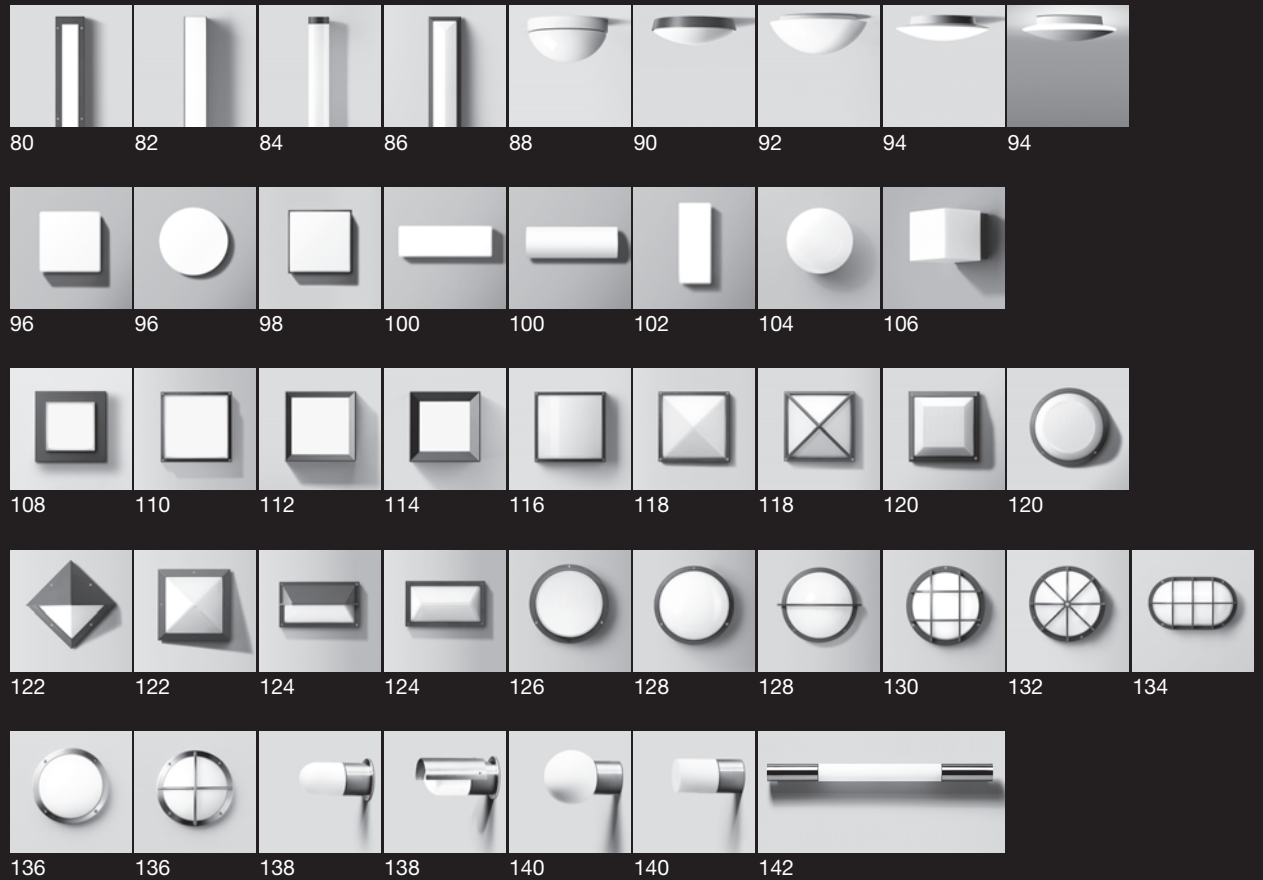
Recessed luminaires



**Recessed ceiling luminaires
Ceiling luminaires
Downlights**



Ceiling and wall luminaires



Wall luminaires



106 144 146 146 148



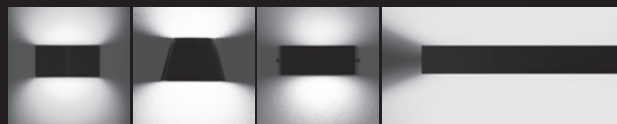
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170 172 172 174 174 176 178 178 180 182



184 186 188 190 192 194 196 196 198 198



200 200 202 204



206 208 210 212 214 216 218 218 220 222



224 226 228 228 230 232 234



236 236 238 240 242 242 244

Pendant luminaires



246 248 248 248 248

**Garden luminaires
Garden sockets**

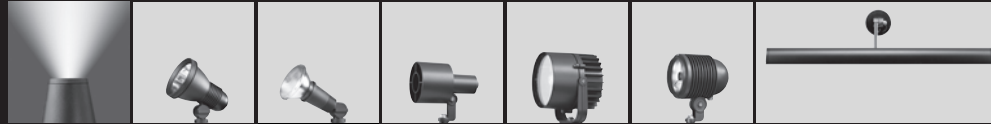
Side-mounted luminaires



250

250

Floodlights



252

254

256

258

260

262-265

272



266-269

270

384

274

276-281

282

284

**Swimming pool luminaires
Underwater floodlights**



286

286

288

288

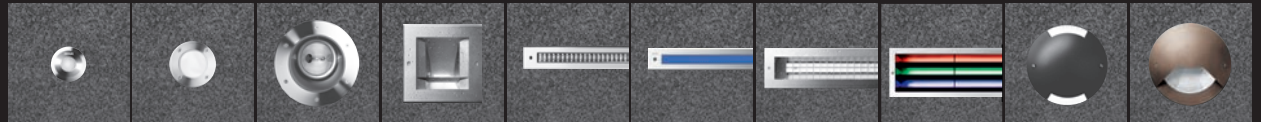
290

292

294

296

In-ground luminaires



298

300

302-315

316

318

320

322

324

326-329

330

Bollards



332

334

336

338

340

342

344

346

348

350



352

354

356

358

360

362

364

366

368

370



372

374

376

378

378

380

382

384

386

396



390

392

392

396

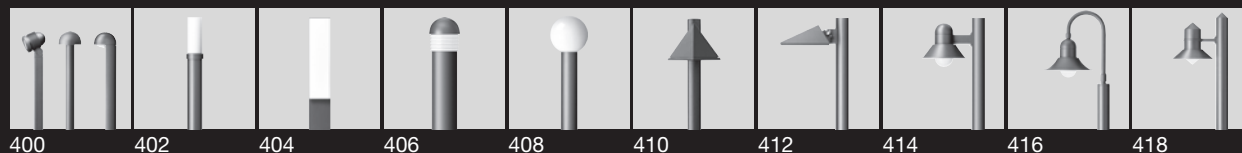
398

Connecting pillars



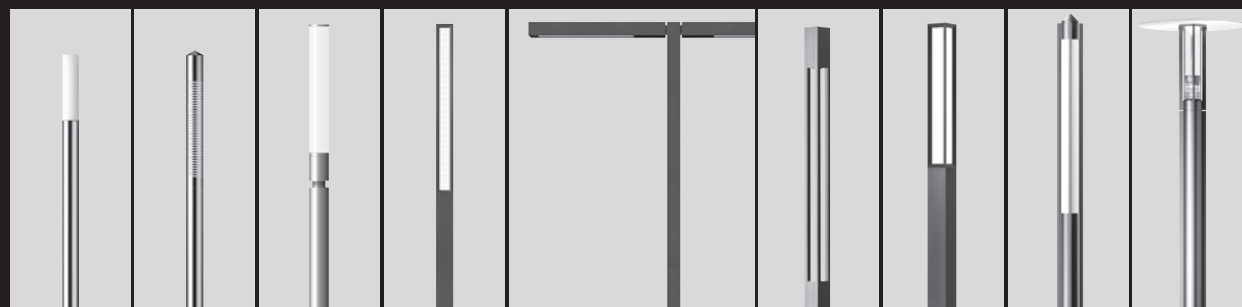
386 388 388

Garden luminaires



400 402 404 406 408 410 412 414 416 418

Light building elements



390 394 420 422 424 426 428 430 432

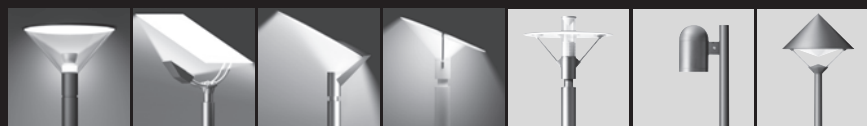
Pole-top luminaires



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454 456 458 460 462-465 466 468

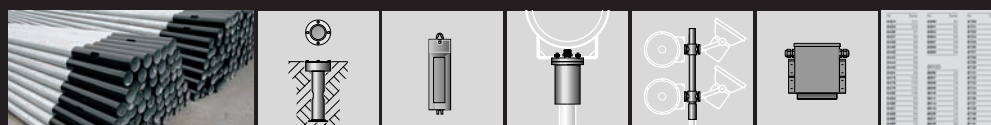


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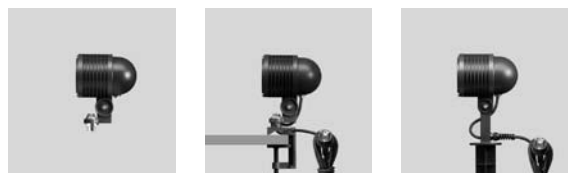


484 486 488 490 492 494 496 498

**Luminaire poles
Accessories
Table of contents**



500-505 507 507 508-511 512 514 524-527



Mounting bush G 1/2

Screw clamp

Earth spike

Floodlights either with

- **G 1/2 mounting bush**
- **Screw clamp**
- **Earth spike**

Protection class IP 65

Die cast aluminium, aluminium and stainless steel · Safety glass · Reflector of pure anodized aluminium

Floodlights with G 1/2 · DIN ISO 228 · mounting bush 8401 · 8350 · 8351 with electronic ballast
8350 · 8413 · 8319 with louvre · HIT-TC-CE 20 W Base GU 6.5

Floodlight with screw clamp for clamping width up to 50 mm

Floodlights with earth spike made of glass-fibre reinforced plastic · Colour graphite

Ready for connection with 5 m cable and power plug · Protection class IP X4

We supply the following accessories for these luminaires:

- shields
- dichroic colour effect filters
- exchangeable lenses

Accessories can be used singly or in combination. They must be ordered separately.

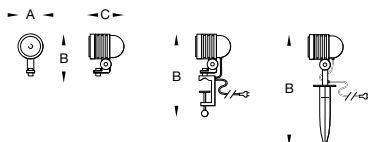
Colour graphite, white or silver

graphite – article number

white – article number + **W**

silver – article number + **A**

7315 · 7316 · 7317 · 7319 Colour graphite



Floodlight with G 1/2 mounting bush

Lampe	β	Lumen	A	B	C	Shield	Green	Blue	Yellow	Wide beam	Flat beam
8315 1 QT 12-ax 50 W	23°	910	110	180	150	264	125	126	127	312	313
8316 1 QT 18 100 W	22°	1470	110	180	150	264	125	126	127	312	313
8421 1 QT 18 250 W	22°	4210	155	240	200	265	130	131	132	316	315
8401 1 TC-TEL 26·32 W	60°	2400	185	265	235	267	105	106	107	118	119
8351 1 HIT-TC-CE 20 W	15°	1700	110	215	150	264	125	126	127	312	313
8350 1 HIT-TC-CE 20 W	5°	1700	110	215	150	264	125	126	127	-	313
8412 1 HIT-TC-CE 35 W	20°	3400	155	240	200	265	130	131	132	316	315
8413 1 HIT-TC-CE 35 W	5°	3400	155	240	200	265	130	131	132	-	315
8325 1 HIT-CE 70 W	16°	7000	185	265	235	267	105	106	107	118	119
8319 1 HIT-CE 70 W	5°	7000	185	265	235	267	105	106	107	-	119

Floodlight with screw clamp

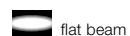
7320 1 QT 18 100 W	22°	1470	110	380	150	264	125	126	127	312	313
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Floodlight with earth spike

7315 1 QT 12-ax 50 W	23°	910	110	480	150	264	125	126	127	312	313
7316 1 QT 18 100 W	22°	1470	110	480	150	264	125	126	127	312	313
7317 1 TC-T 18 W	74°	1200	155	620	200	265	130	131	132	316	315
7319 1 HIT-TC-CE 35 W	20°	3400	155	620	200	265	130	131	132	316	315



exchangeable lenses



β = half beam angle

Power floodlights
with **very narrow beam** or **narrow beam** light distribution
6500 - 56 500 lumen

Power floodlights for discharge lamps with very narrow beam or narrow beam light distribution.

Precise details of the half beam angles are given in the table.

These floodlights are suitable for all applications where the architecture requires narrow beam light.

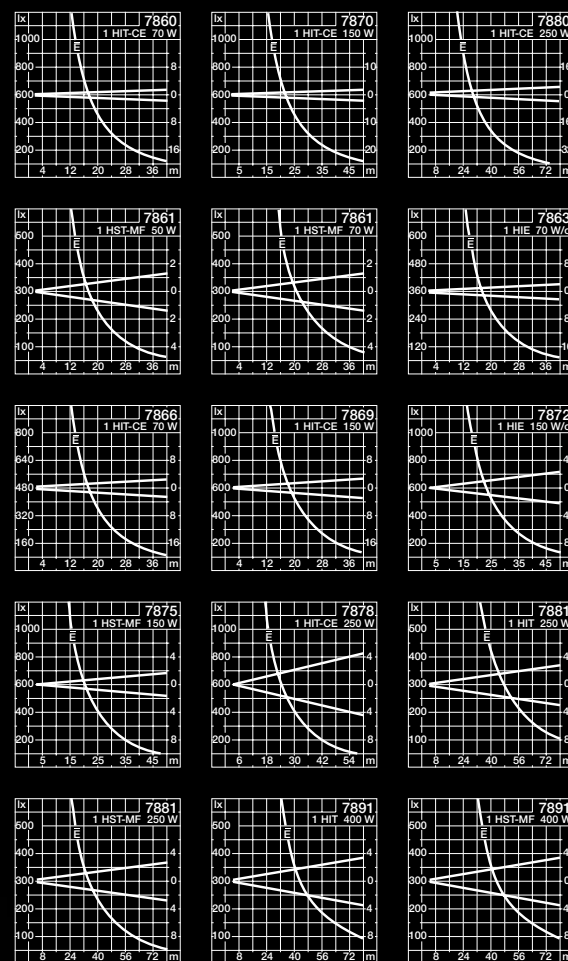
They are available in three sizes with different light outputs to meet the diverse dimensions of their installation location. The floodlights can be equipped with inside dichroic colour effect filters to produce coloured light.

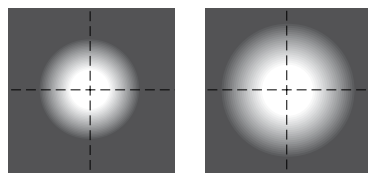
To suppress glare, additional inside ring louvres can be used or the floodlight can be fitted with a shield.

A comprehensive programme of perfect accessories is available for the installation of BEGA power floodlights.

For technical data of accessories, see pages 510-513.

All important technical data are given in the instructions for use for these floodlights.





very narrow beam narrow beam



Power floodlights with **very narrow beam** or **narrow beam** light distribution for discharge lamps up to 400 W

Protection class IP 67

Die cast aluminium, aluminium and stainless steel · Safety glass

Reflector of pure anodized aluminium

Bracket with 1 central mounting hole $\varnothing 22$ mm and 2 mounting holes $\varnothing 9$ mm · 80 mm spacing

1 cable gland for connecting cable H07RN-F up to $\varnothing 11$ mm · 2.5² connecting terminals

7860 · 7870 · 7880 with built-in louvre to reduce diffuse light

We supply the following accessories for these luminaires:

- shields
- inside louvres
- dichroic colour effect filters in green, blue or yellow

Accessories can be used singly or in combination. They must be ordered separately.

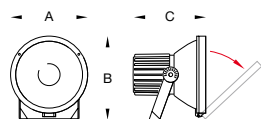
Relamping is simple, without the need to disassemble shields, louvres and colour filters.

Accessories for the installation of the floodlights on ceilings and wall surfaces, or poles are given on pages 510-513.

Colour graphite or silver

graphite – article number

silver – article number + **A**



Floodlights · very narrow beam

	Lamp	Base	β	Lumen	A	B	C
7860	1 HIT-CE	70 W	G 12	5°	7000	280	305 255
7870	1 HIT-CE	150 W	G 12	5°	15 500	350	380 320
7880	1 HIT-CE	250 W	G 22	4°	26 000	460	510 450



Floodlights · narrow beam

	Lamp	Base	β	Lumen	A	B	C
7861	1 HST-MF	50 · 70 W	E 27	4°	6600	280	355 315
7863	1 HIE/c	70 W	E 27	6°	6500	280	355 315
7866	1 HIT-CE	70 W	G 12	7°	7000	280	305 255
7869	1 HIT-CE	150 W	G 12	8°	15 500	280	355 315
7872	1 HIE/c	150 W	E 27	5°	14 000	350	380 320
7875	1 HST-MF	150 W	E 40	4°	17 500	350	415 360
7878	1 HIT-CE	250 W	G 22	8°	26 000	350	415 360
7881	1 HIT · HST-MF	250 W	E 40	4°	33 200	460	510 450
7891	1 HIT · HST-MF	400 W	E 40	6°	56 500	460	555 485



β = half beam angle

Power floodlights
with **wide beam** or **flat beam** light distribution
4000 - 56 500 lumen

Power floodlights for discharge lamps with wide beam or flat beam light distribution.

Precise details of the half beam angle are given in the table.

These floodlights are suitable for all applications where the architecture requires wide beam or flat beam light.

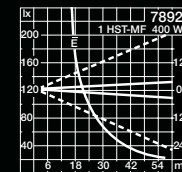
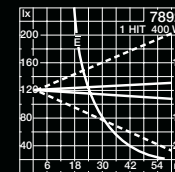
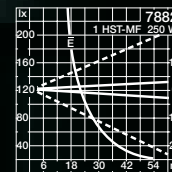
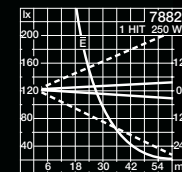
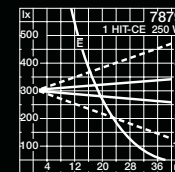
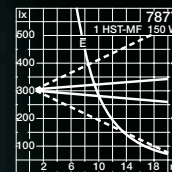
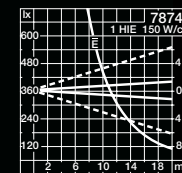
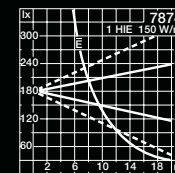
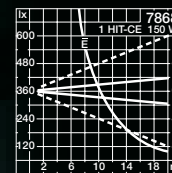
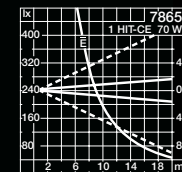
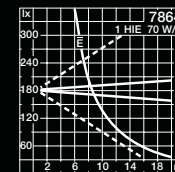
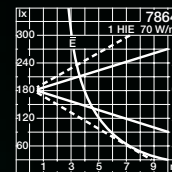
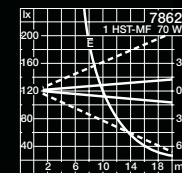
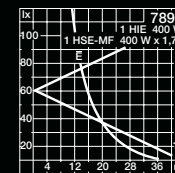
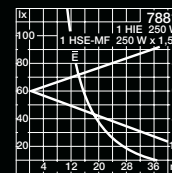
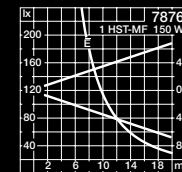
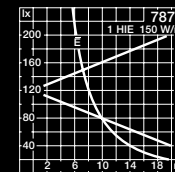
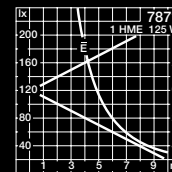
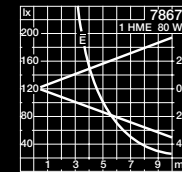
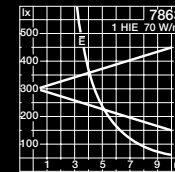
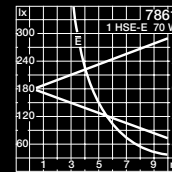
They are available in three sizes with different light outputs to meet the diverse dimensions of their installation location. The floodlights can be equipped with inside dichroic colour effect filters to produce coloured light.

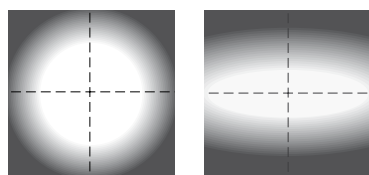
To suppress glare, additional inside ring louvres can be used or the floodlight can be fitted with a shield.

A comprehensive programme of perfect accessories is available for the installation of BEGA power floodlights.

For technical data of accessories, see pages 510 - 513.

All important technical data are given in the instructions for use for these floodlights.





wide beam

flat beam

Power floodlights with **wide beam** or **flat beam** light distribution for discharge lamps up to 400 W

Protection class IP 67

Die cast aluminium, aluminium and stainless steel · Safety glass
Reflector of pure anodized aluminium

Bracket with 1 central mounting hole $\varnothing 22$ mm and 2 mounting holes $\varnothing 9$ mm · 80 mm spacing
1 cable gland for connecting cable H07RN-F up to $\varnothing 11$ mm · 2.5² connecting terminals

We supply the following accessories for these luminaires:

- shields
- inside louvres
- dichroic colour effect filters in green, blue or yellow

Accessories can be used singly or in combination. They must be ordered separately.

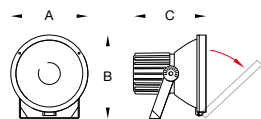
Relamping is simple, without the need to disassemble shields, louvres and colour filters.

Accessories for the installation of the floodlights on ceilings and wall surfaces, or poles are given on pages 510 - 513.

Colour graphite or silver

graphite – article number

silver – article number + **A**



Floodlights · wide beam

	Lamp	Base	β	Lumen	A	B	C	Shield	Louvre	Green	Blue	Yellow
7861	1 HSE-E 50-70 W	E 27	40°	5600	280	355	315	606	124	-	-	-
7863	1 HIE/m 70 W	E 27	34°	6400	280	355	315	606	124	101	102	103
7867	1 HME 80 W	E 27	40°	4000	280	355	315	606	124	-	-	-
7871	1 HME 125 W	E 27	53°	6800	350	380	320	659	133	-	-	-
7873	1 HIE/m 150 W	E 27	44°	13300	350	380	320	659	133	108	109	110
7876	1 HST-MF 150 W	E 40	38°	17500	350	415	360	659	134	-	-	-
7881	1 HIE · HSE-MF 250 W	E 40	39°	31100	460	510	450	664	143	111	112	113
7891	1 HIE · HSE-MF 400 W	E 40	50°	55500	460	555	485	664	143	111	112	113

Floodlights · flat beam

	Lamp	Base	β	Lumen	A	B	C	Shield	Louvre	Green	Blue	Yellow
7862	1 HST-MF 50-70 W	E 27	7/35°	6600	280	355	315	606	123	-	-	-
7864	1 HIE/m 70 W	E 27	33/72°	6400	280	355	315	606	124	101	102	103
7864	1 HIE/c 70 W	E 27	6/64°	6500	280	355	315	606	124	101	102	103
7865	1 HIT-CE 70 W	G 12	9/45°	7000	280	305	255	606	123	101	102	103
7868	1 HIT-CE 150 W	G 12	9/43°	15500	280	355	315	606	123	101	102	103
7874	1 HIE/m 150 W	E 27	23/64°	13300	350	380	320	659	133	108	109	110
7874	1 HIE/c 150 W	E 27	6/34°	14000	350	380	320	659	133	108	109	110
7877	1 HST-MF 150 W	E 40	9/45°	17500	350	415	360	659	134	-	-	-
7879	1 HIT-CE 250 W	G 22	9/37°	26000	350	415	360	659	134	108	109	110
7882	1 HIT · HST-MF 250 W	E 40	5/47°	33200	460	510	450	664	144	111	112	113
7892	1 HIT · HST-MF 400 W	E 40	7/48°	56500	460	555	485	664	144	111	112	113



shield



louvre



colour effect filters

β = half beam angle

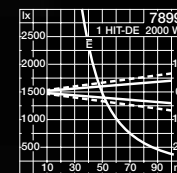
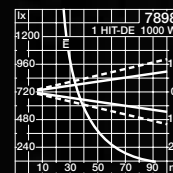
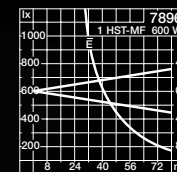
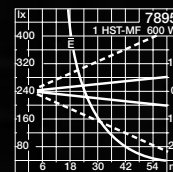
High-power floodlights
for discharge lamps up to 2000 W
90 000 - 200 000 lumen

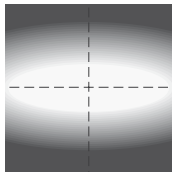
High-power floodlights for discharge lamps 600, 1000 and 2000 W.
Floodlights with flat beam or very narrow beam light distribution.
These floodlights are designed for lighting tasks requiring very high
light outputs.

Matching control gear boxes or cross beams are given in the table.
A comprehensive programme of perfect accessories is available for
the installation of BEGA power floodlights.

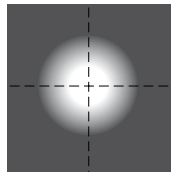
For technical data of accessories, see pages 510-513.

All important technical data are given in the instructions for use
for these floodlights.





flat beam



very narrow beam

High-power floodlights with built-in starting device
for discharge lamps up to 2000 W

Protection class IP 67

Die cast aluminium, aluminium and stainless steel · Safety glass

Reflector of pure anodized aluminium

Bracket with 1 central mounting hole $\varnothing 22$ mm and 2 mounting holes $\varnothing 9$ mm · 80 mm spacing
1 cable gland for connecting cable H07RN-F up to $\varnothing 11$ mm · 2.5[□] connecting terminals

An external discharge unit is required to operate these high-power floodlights.

We supply the following accessories for these luminaires:

- shields
- cross beams
- control gear boxes

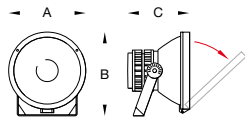
Accessories must be ordered separately.

For technical data of cross beams and control gear boxes, see page 510.

Colour graphite or silver

graphite – article number

silver – article number + **A**



Floodlights · flat beam										
Lamp	Base	β	Lumen	A	B	C				
7895	1 HST-MF 600 W 230 V	E 40	9/47°	90 000	460	510	450	664	498	212

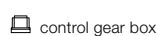
Floodlights · very narrow beam										
Lamp	Base	β	Lumen	A	B	C				
7896	1 HST-MF 600 W 230 V	E 40	4°	90 000	460	510	450	664	498	212
7898	1 HIT-DE 1000 W 230 V	Kabel	8/13°	90 000	460	475	360	664	391*	207
7899	1 HIT-DE 2000 W 400 V	Kabel	5/7°	200 000	460	475	360	664	391*	202



shield



cross beam



control gear box

β = half beam angle

* cross beam without discharge unit

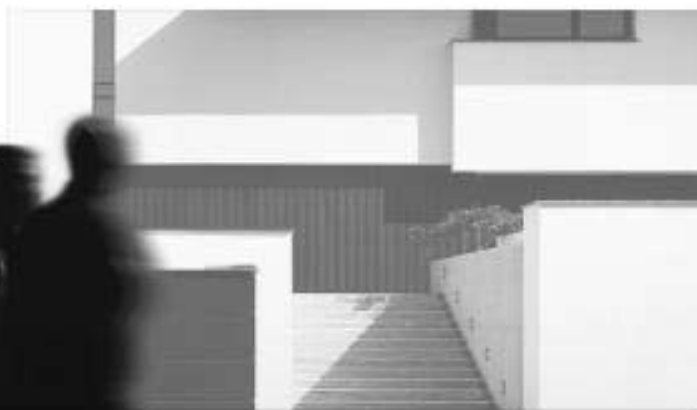
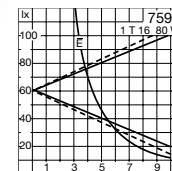
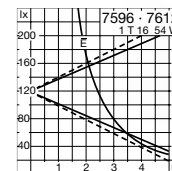
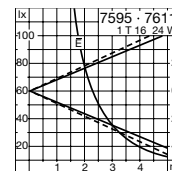
Floodlights for fluorescent lamps T 16 1750 - 6150 lumen

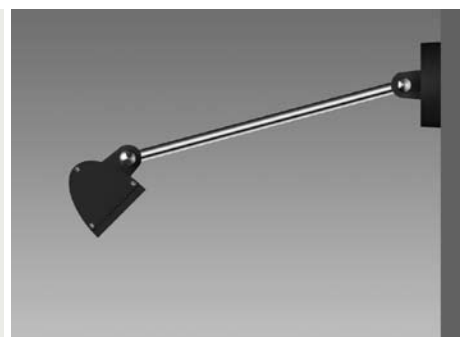
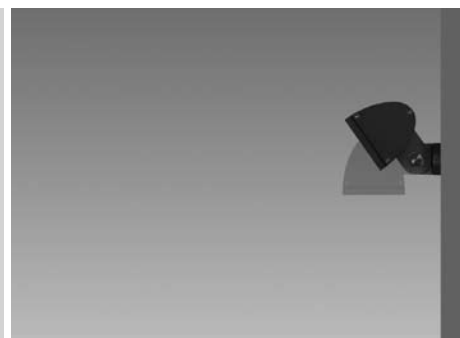
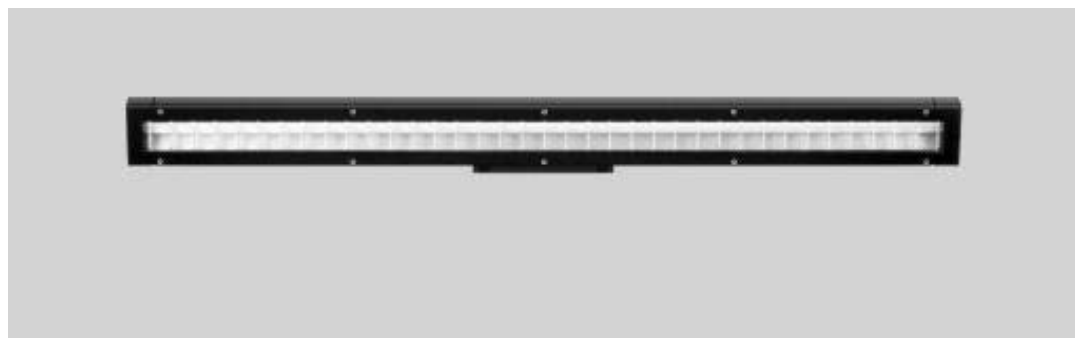
A group of floodlights for permanent installation, either with mounting box or with outrigger arm and mounting box. They are suitable for any type of installation on ceilings or walls.

These compact, linear luminaires with symmetrically broad spread light distribution are designed for fluorescent lamps T 16 with electronic ballasts. Lamps with two different wattages can be operated.

We supply these luminaires in three dimensions to comply with the lamp lengths.

All important technical data are given in the instructions for use for these floodlights.





Floodlights for fluorescent lamps
either with

- **mounting box**
- **outrigger arm and mounting box**

Protection class IP 65

Die cast aluminium, aluminium and
stainless steel

Safety glass

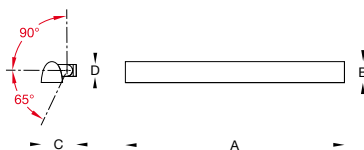
Reflector of pure anodized aluminium

Electronic ballast

Colour graphite, white or silver
graphite – article number

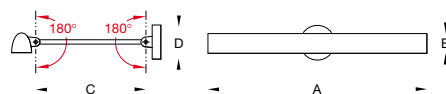
white – article number + **W**

silver – article number + **A**



Floodlights with **mounting box**

	Lamp	Lumen	A	B	C	D
7595	Floodlight	1 T 16 14·24 W	1750	615	90	150 50
7596	Floodlight	1 T 16 28·54 W	4450	1215	90	150 50
7597	Floodlight	1 T 16 35·80 W	6150	1515	90	150 50



Floodlights with **outrigger arm and mounting box**

	Lamp	Lumen	A	B	C	D
7611	Floodlight	1 T 16 14·24 W	1750	615	90	500 150
7612	Floodlight	1 T 16 28·54 W	4450	1215	90	500 150

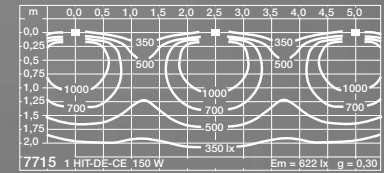
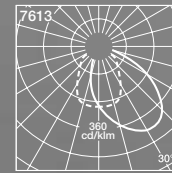
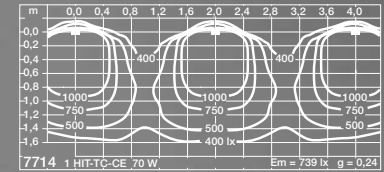
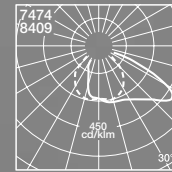
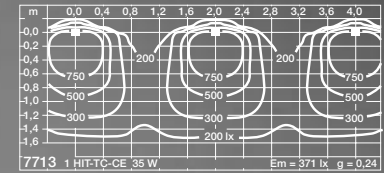
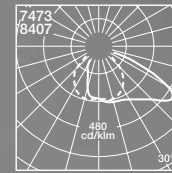
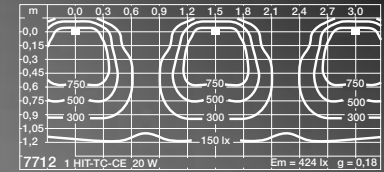
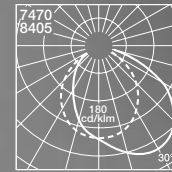
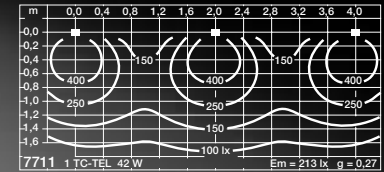
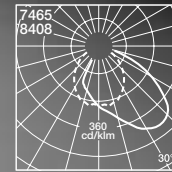
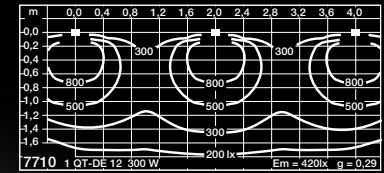
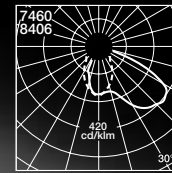
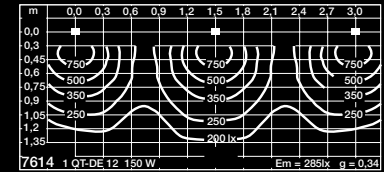
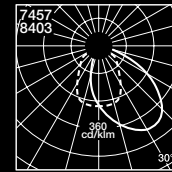


Surface washers for tungsten halogen lamps, fluorescent lamps and discharge lamps 1050 - 14 800 lumen

Surface washers with asymmetrical light distribution, small in size but with high light outputs. Three sizes are available with different light outputs to meet the diverse dimensions of their installation location.

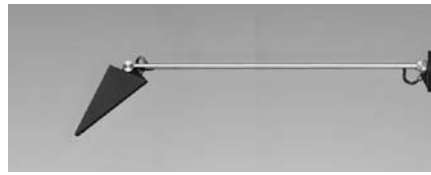
The floodlights can be supplied for the following installations:
with mounting box, with outrigger arm and mounting box or with G^{3/8} or G^{1/2} mounting bush. The floodlights with mounting box and with outrigger arm are suitable for any type of installation on ceilings or walls. The floodlights with mounting bush can be screwed into G^{3/8} or G^{1/2} · DIN ISO 228 threaded bushes provided by the customer or BEGA accessories. For technical data of accessories, see page 508.

Surface washers for fluorescent lamps TC-TEL are equipped with electronic ballasts. 26 · 32 · 42 W lamps can be used in these luminaires. All important technical data are given in the instructions for use.





Mounting box



Outrigger arm and mounting box



G $\frac{3}{8}$ or G $\frac{1}{2}$
mounting bush

Permanent surface washers either with

- **Mounting box**
- **Outrigger arm and mounting box**
- **G $\frac{3}{8}$ and G $\frac{1}{2}$ mounting bush**

Protection class IP 65

Die cast aluminium, aluminium and stainless steel · Safety glass

Reflector of pure anodized aluminium

7470 · 7711 · 7712 · 7713 · 7714 · 7715 · 8405 with electronic ballast

7460 · 7614 · 8406 for lamp length 74.9mm

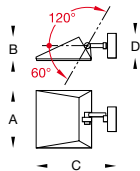
7712 Lamp base GU6.5

Colour graphite, white or silver

graphite – article number

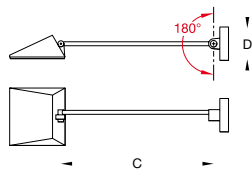
white – article number + **W**

silver – article number + **A**



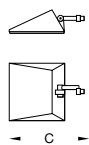
Surface washers with **mounting box**

	Lamp		Lumen	A	B	C	D
7457	1 QT 14	75 W	1050	115	60	235	80
7460	1 QT-DE 12	150 W	2500	150	80	280	80
7465	1 QT-DE 12	300 W	5300	260	105	365	110
7470	1 TC-TEL	42 W	3200	260	105	365	110
7473	1 HIT-TC-CE	35 W	3400	260	105	365	110
7474	1 HI/HST-DE	70 W	6900	260	105	365	110



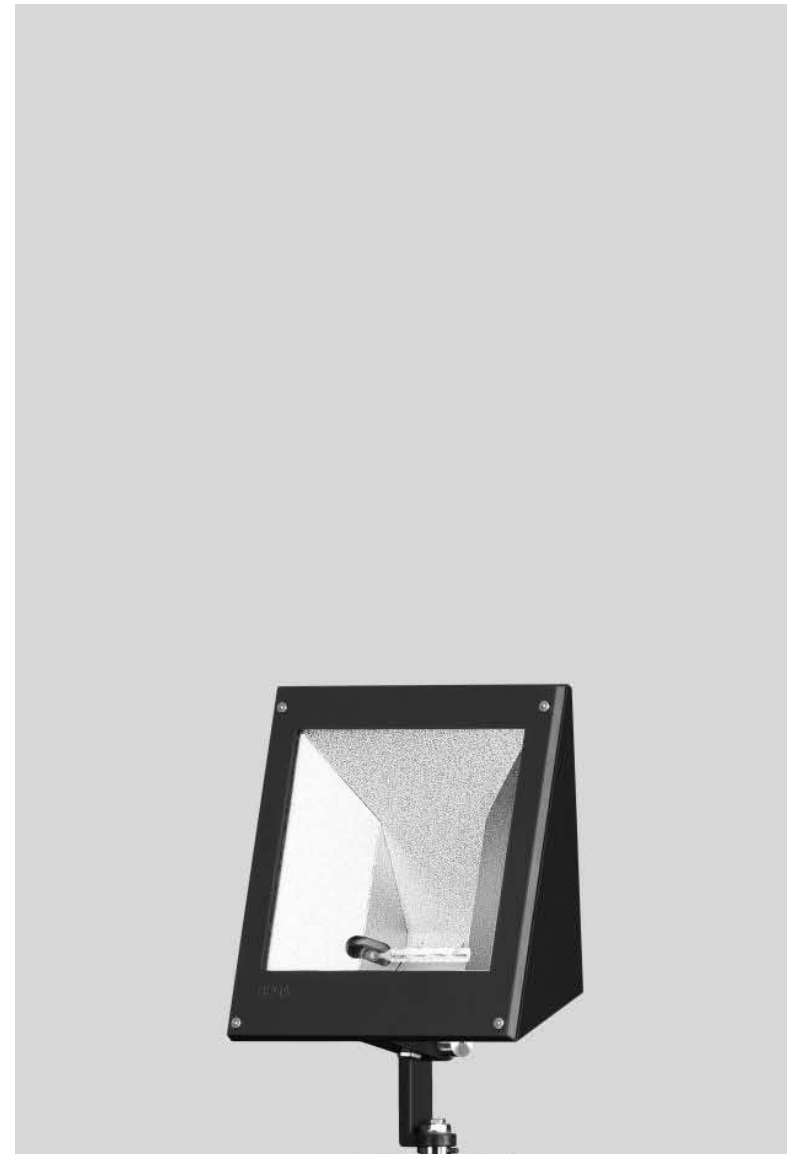
Surface washers with **outrigger arm and mounting box**

	Lamp		Lumen	A	B	C	D
7613	1 QT 14	75 W	1050	115	60	500	Ø90
7614	1 QT-DE 12	150 W	2500	150	80	500	Ø90
7710	1 QT-DE 12	300 W	5300	260	105	700	90x190
7711	1 TC-TEL	42 W	3200	260	105	700	90x190
7712	1 HIT-TC-CE	20 W	1700	115	60	500	90x190
7713	1 HIT-TC-CE	35 W	3400	150	80	700	90x190
7714	1 HIT-TC-CE	70 W	6900	150	80	700	105x240
7715	1 HIT-DE-CE	150 W	14800	260	105	700	105x240



Surface washers with **G $\frac{3}{8}$ or G $\frac{1}{2}$ mounting bush**

	Lamp		Lumen	A	B	C	Thread
8403	1 QT 14	75 W	1050	115	60	200	G $\frac{3}{8}$
8406	1 QT-DE 12	150 W	2500	150	80	250	G $\frac{3}{8}$
8408	1 QT-DE 12	300 W	5300	260	105	340	G $\frac{3}{8}$
8405	1 TC-TEL	42 W	3200	260	105	340	G $\frac{1}{2}$
8407	1 HIT-TC-CE	35 W	3400	260	105	340	G $\frac{1}{2}$
8409	1 HI/HST-DE	70 W	6900	260	105	340	G $\frac{1}{2}$



Floodlights for tungsten halogen lamps 9500 - 22 000 lumen

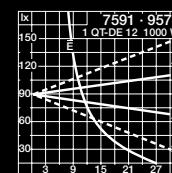
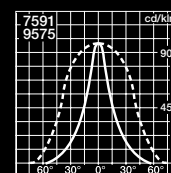
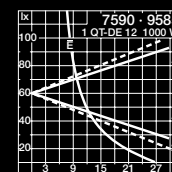
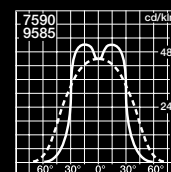
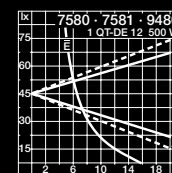
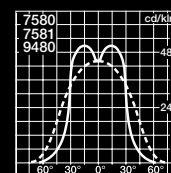
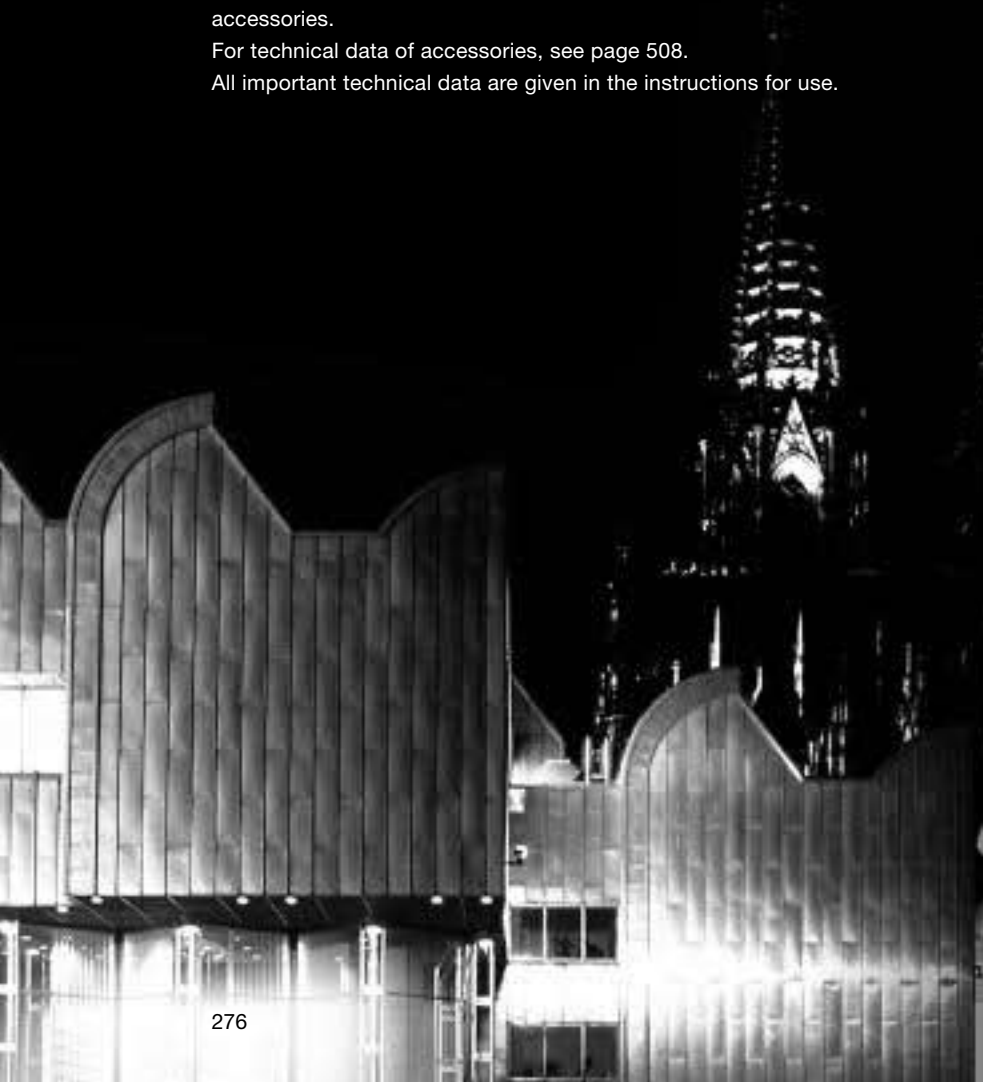
Floodlights with symmetrical light distribution for tungsten halogen lamps 500 and 1000 W. These floodlights illuminate surfaces and façades uniformly, especially where high levels of illuminance need to be available fast e.g. for alarm, security or object illumination.

They are available either with mounting box, with G 1/2 mounting bush or with earth spike for portable applications.

The floodlights with mounting box are suitable for any type of installation on ceilings or walls. The floodlights with mounting bush can be screwed into G 1/2 · DIN ISO 228 threaded bushes provided by the customer or BEGA accessories.

For technical data of accessories, see page 508.

All important technical data are given in the instructions for use.





Mounting box

G 1/2 mounting bush

Earth spike

Floodlights either with

- **Mounting box**
- **G 1/2 mounting bush**
- **Earth spike**

Protection class IP 64

Die cast aluminium and stainless steel · Safety glass

Reflector of pure anodized aluminium

Floodlights with mounting box Ø 110 · 130 mm with 2.5² connecting terminals

Floodlights with G 1/2 mounting bush · DIN ISO 228

Floodlight with earth spike made of glass-fibre reinforced plastic

Ready for connection with 5 m cable and power plug · Protection class IP X4

Ambient temperature t_a 15 °C

We supply the following accessories for these luminaires:

- shields
- louvres

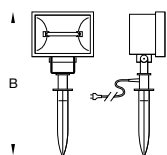
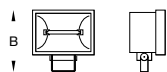
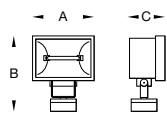
Accessories must be ordered separately.

Colour graphite or white

graphite – article number

white – article number + **W**

7581 Colour graphite



Floodlights with **mounting box**

Lamp	β	Lumen	A	B	C	shield	louvre
7580 1 QT-DE 12 500 W	57/73°	9500	225	265	120	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7590 1 QT-DE 12 1000 W	59/66°	22000	300	370	170	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
7591 1 QT-DE 12 1000 W	36/70°	22000	300	370	170	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Floodlights with **G 1/2 mounting bush**

Lamp	β	Lumen	A	B	C	shield	louvre
9480 1 QT-DE 12 500 W	57/73°	9500	225	225	120	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9585 1 QT-DE 12 1000 W	59/66°	22000	300	315	170	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
9575 1 QT-DE 12 1000 W	36/70°	22000	300	315	170	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Floodlights with **earth spike**

Lamp	β	Lumen	A	B	C	shield	louvre
7581 1 QT-DE 12 500 W	57/73°	9500	225	525	120	<input checked="" type="checkbox"/>	<input type="checkbox"/>



shield



louvre

β = half beam angle

Floodlights
for fluorescent lamps and discharge lamps
1700 - 15 000 lumen

Floodlights with symmetrical broad spread or flat beam light distribution for fluorescent lamps and discharge lamps.

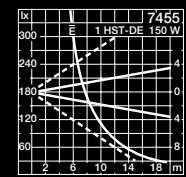
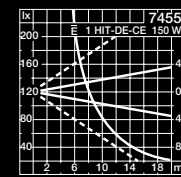
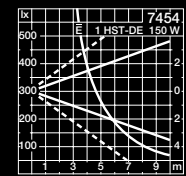
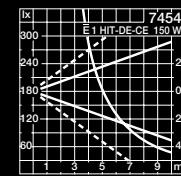
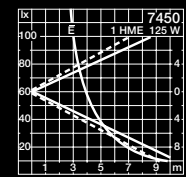
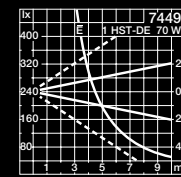
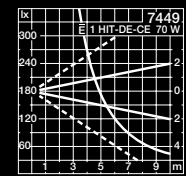
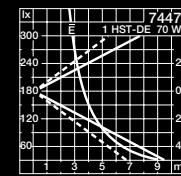
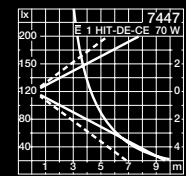
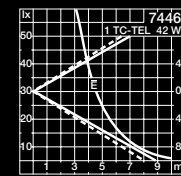
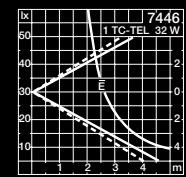
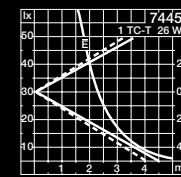
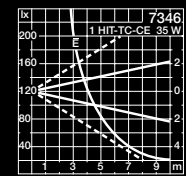
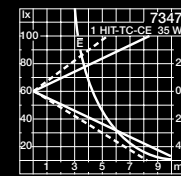
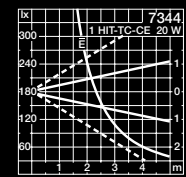
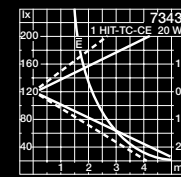
Three sizes are available with different light outputs to meet the diverse dimensions of their installation location.

The floodlights with mounting box are suitable for any type of installation on ceilings or walls.

The luminaires for fluorescent lamps TC-TEL are equipped with electronic ballasts. 26 · 32 · 42 W lamps can be used in these luminaires.

Shields and louvres to suppress glare and coloured disks for coloured light are accessories and included in the table.

All important technical data are given in the instructions for use.





Mounting box



Permanent floodlights with **mounting box**
for fluorescent lamps and discharge lamps

Protection class IP 65

Die cast aluminium, aluminium and stainless steel · Safety glass

Reflector of pure anodized aluminium

7343 · 7344 · 7347 · 7346 · 7446 with electronic ballast

Mounting box $\varnothing 100 \cdot 110$ mm with 2.5² connecting terminals

We supply the following accessories for these luminaires:

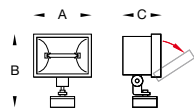
- shields
 - louvres
 - coloured disks in green, blue or yellow
- Accessories must be ordered separately.

Colour graphite, white or silver

graphite – article number

white – article number + **W**

silver – article number + **A**



Floodlights with **mounting box**

Lamp	β	Lumen	A	B	C	Shield	Louvre	Coloured disks			
7343	1 HIT-TC-CE 20 W	50/98°	1700	160	205	105	235	600	187	188	189
7344	1 HIT-TC-CE 20 W	24/98°	1700	160	205	105	235	600	187	188	189
7347	1 HIT-TC-CE 35 W	50/98°	3400	160	205	105	235	600	187	188	189
7346	1 HIT-TC-CE 35 W	25/98°	3400	160	205	105	235	600	187	188	189
7445	1 TC-T 26 W	97/112°	1800	225	265	145	335	618	218	219	220
7446	1 TC-TEL 42 W	97/112°	3200	225	265	145	335	618	218	219	220
7447	1 HI/HST-DE 70 W	55/88°	6900	225	265	145	335	618	218	219	220
7449	1 HI/HST-DE 70 W	23/90°	6900	225	265	145	335	618	218	219	220
7450	1 HME 125 W	87/98°	6800	280	310	170	233	656	148	149	150
7454	1 HI/HST-DE 150 W	40/96°	15000	280	310	170	233	656	148	149	150
7455	1 HI/HST-DE 150 W	20/96°	15000	280	310	170	233	656	148	149	150



shield



louvre



coloured disks

β = half beam angle

Floodlights
for fluorescent lamps and discharge lamps
1700 - 15 000 lumen

Floodlights with symmetrical broad spread or flat beam light distribution for fluorescent lamps and discharge lamps. Three sizes are available with different light outputs to meet the diverse dimensions of their installation location.

The floodlights can be supplied for the following installations:
with G ½ mounting bush or with earth spike.

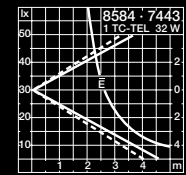
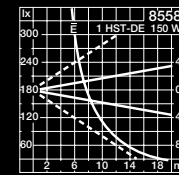
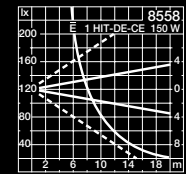
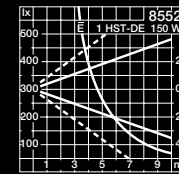
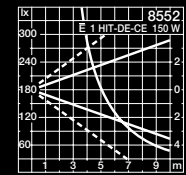
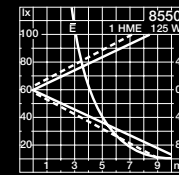
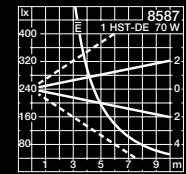
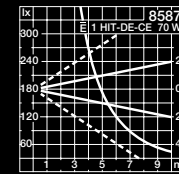
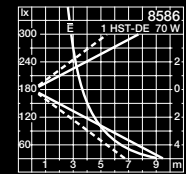
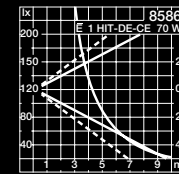
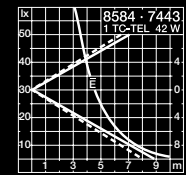
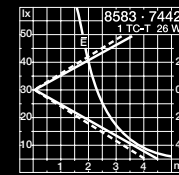
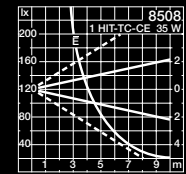
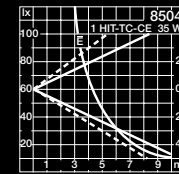
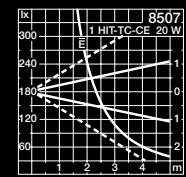
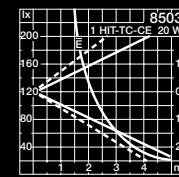
The floodlights with mounting bush can be screwed into threaded bushes according to DIN ISO 228 provided by the customer or BEGA accessories. Technical data of accessories – page 508.

The luminaires for fluorescent lamps TC-TEL are equipped with electronic ballasts.

26 · 32 · 42 W lamps can be used in these luminaires.

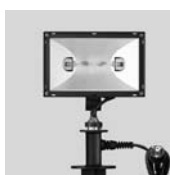
Shields and louvres to suppress glare and coloured disks for coloured light are accessories and included in the table.

All important technical data are given in the instructions for use for these floodlights.





G 1/2 mounting bush



Earth spike



Floodlights for fluorescent lamps and discharge lamps either as

- permanent floodlights with **G 1/2 mounting bush**
- portable floodlights with **earth spike**

Protection class IP 67

7442 · 7443 Protection class IP 65

Die cast aluminium and stainless steel · Safety glass · Reflector of pure anodized aluminium

Floodlights with G 1/2 · DIN ISO 228 mounting bush

Floodlights with earth spike made of glass-fibre reinforced plastic

Ready for connection with 5 m cable and power plug · Protection class IP X4

8503 · 8504 · 8507 · 8508 · 8584 · 7443 with electronic ballast

We supply the following accessories for these luminaires:

- shields
 - louvres
 - coloured disks in green, blue or yellow
- Accessories must be ordered separately.

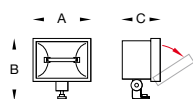
Colour graphite, white or silver

graphite – article numberer

white – article number + **W**

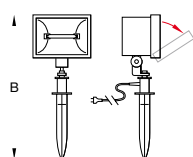
silver – article number + **A**

7442 · 7443 Colour graphite



Floodlights with G 1/2 mounting bush

Lamp	β	Lumen	A	B	C	Shield	Louvre	Coloured disks			
8503	1 HIT-TC-CE 20 W	50/98°	1700	160	170	105	235	600	187	188	189
8507	1 HIT-TC-CE 20 W	24/98°	1700	160	170	105	235	600	187	188	189
8504	1 HIT-TC-CE 35 W	50/98°	3400	160	170	105	235	600	187	188	189
8508	1 HIT-TC-CE 35 W	25/98°	3400	160	170	105	235	600	187	188	189
8583	1 TC-T 26 W	97/112°	1800	225	235	145	335	618	218	219	220
8584	1 TC-TEL 42 W	97/112°	3200	225	235	145	335	618	218	219	220
8586	1 HI/HST-DE 70 W	55/88°	6900	225	235	145	335	618	218	219	220
8587	1 HI/HST-DE 70 W	23/90°	6900	225	235	145	335	618	218	219	220
8550	1 HME 125 W	87/98°	6800	280	260	170	233	656	148	149	150
8552	1 HI/HST-DE 150 W	40/96°	15 000	280	260	170	233	656	148	149	150
8558	1 HI/HST-DE 150 W	20/96°	15 000	280	260	170	233	656	148	149	150



Floodlights with earth spike

Lamp	β	Lumen	A	B	C	Shield	Louvre	Coloured disks			
7442	1 TC-T 26 W	97/112°	1800	225	600	145	335	618	218	219	220
7443	1 TC-TEL 42 W	97/112°	3200	225	600	145	335	618	218	219	220



shield



louvre



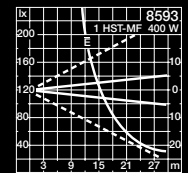
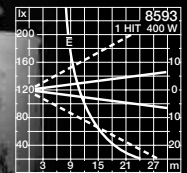
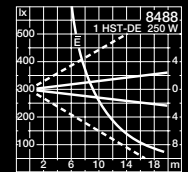
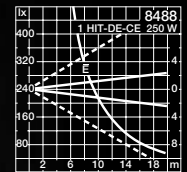
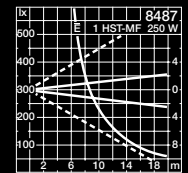
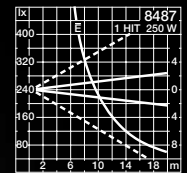
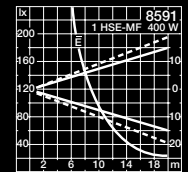
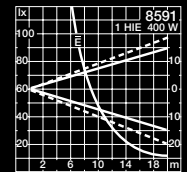
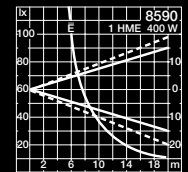
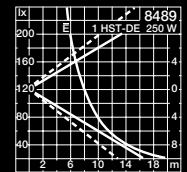
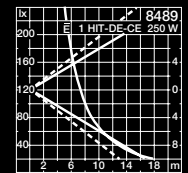
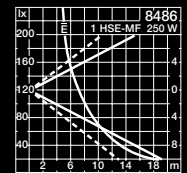
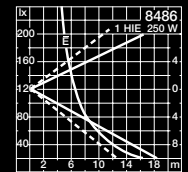
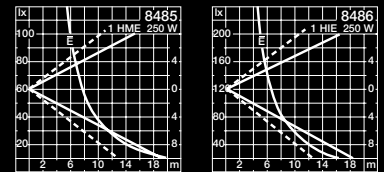
coloured disks

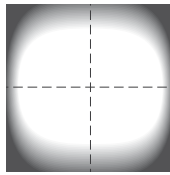
β = half beam angle



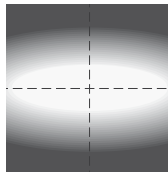
Power floodlights
with **symmetrical broad spread** or **flat beam** light distribution
14 000 - 56 500 lumen

Power floodlights for discharge lamps with symmetrical broad spread or flat beam light distribution. Precise details of the half beam angle are given in the table. Floodlights for all applications where architecture requires broad spread or flat beam light. Two sizes are available with different light outputs to meet the diverse dimensions of their installation location. To suppress glare, the floodlights can also be fitted with a louvre or shield. A comprehensive programme of perfect accessories is available for the installation of BEGA power floodlights. For technical data of accessories, see page 510. All important technical data are given in the instructions for use for these floodlights.





broad spread



flat beam

Power floodlights

with **broad spread** or **flat beam** light distribution
for discharge lamps up to 400 W

Protection class IP 67

Die cast aluminium, aluminium and stainless steel · Safety glass
Reflector of pure anodized aluminium

Bracket with

1 central mounting hole $\varnothing 22$ mm and 2 mounting holes $\varnothing 9$ mm · 80 mm spacing

1 cable gland for connecting cable H07RN-F up to $\varnothing 11$ mm

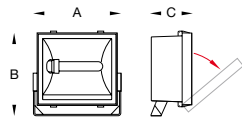
2.5[□] connecting terminals

The following accessories can be ordered separately for these luminaires:

- shields
- louvres

Accessories for the installation of floodlights on ceilings and wall surfaces,
or poles are given on pages 510-513.

Colour graphite

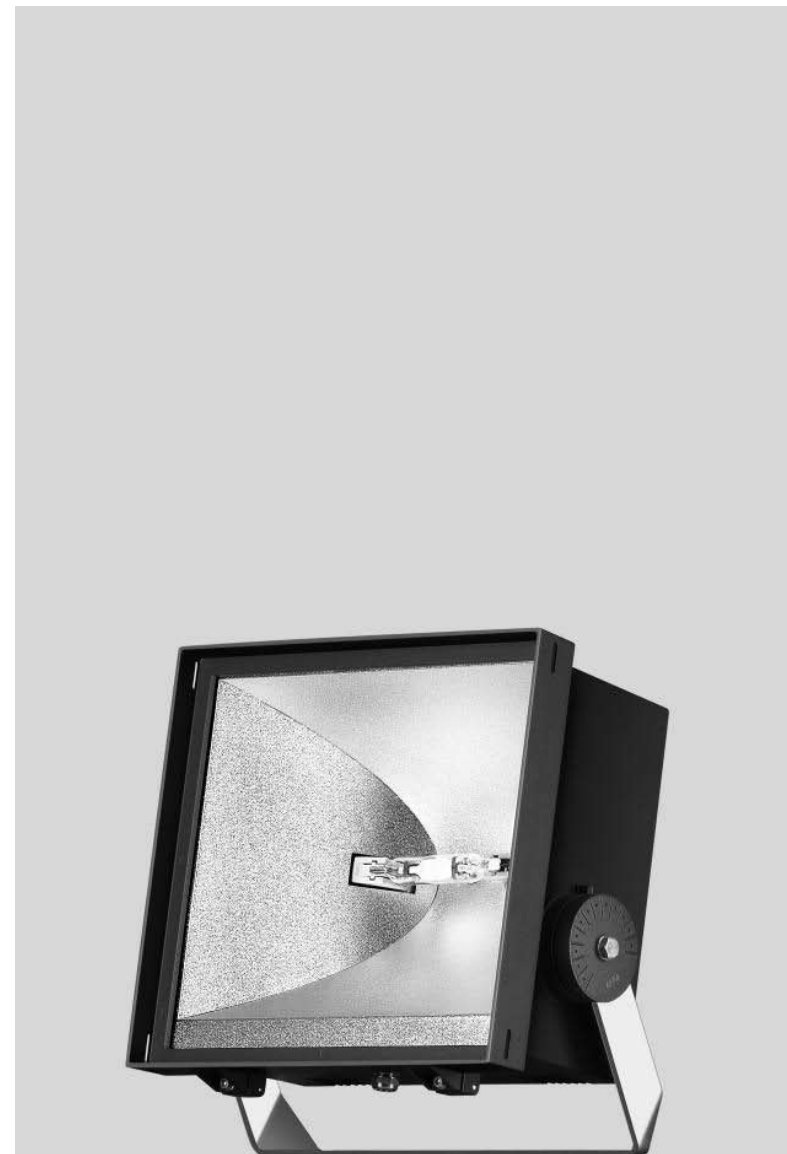


Floodlights · broad spread

	Lamp		β	Lumen	A	B	C	
8485	1 HME	250 W	56/87°	14 000	430	430	200	419 653
8486	1 HIE	250 W	56/87°	19 000	430	430	200	419 653
8486	1 HSE-MF	250 W	56/87°	31 100	430	430	200	419 653
8489	1 HIT-DE-CE	250 W	63/83°	25 000	430	430	200	419 653
8489	1 HST-DE	250 W	63/83°	25 500	430	430	200	419 653
8590	1 HME	400 W	75/86°	24 000	520	500	230	420 655
8591	1 HIE	400 W	75/86°	30 000	520	500	230	420 655
8591	1 HSE-MF	400 W	75/86°	55 500	520	500	230	420 655

Floodlights · flat beam

	Lamp		β	Lumen	A	B	C	
8487	1 HIT	250 W	15/76°	20 000	430	430	200	419 653
8487	1 HST-MF	250 W	15/76°	33 200	430	430	200	419 653
8488	1 HIT-DE-CE	250 W	13/79°	25 000	430	430	200	419 653
8488	1 HST-DE	250 W	13/79°	25 500	430	430	200	419 653
8593	1 HIT	400 W	24/82°	32 000	520	500	230	420 655
8593	1 HST-MF	400 W	21/78°	56 500	520	500	230	420 655



shield

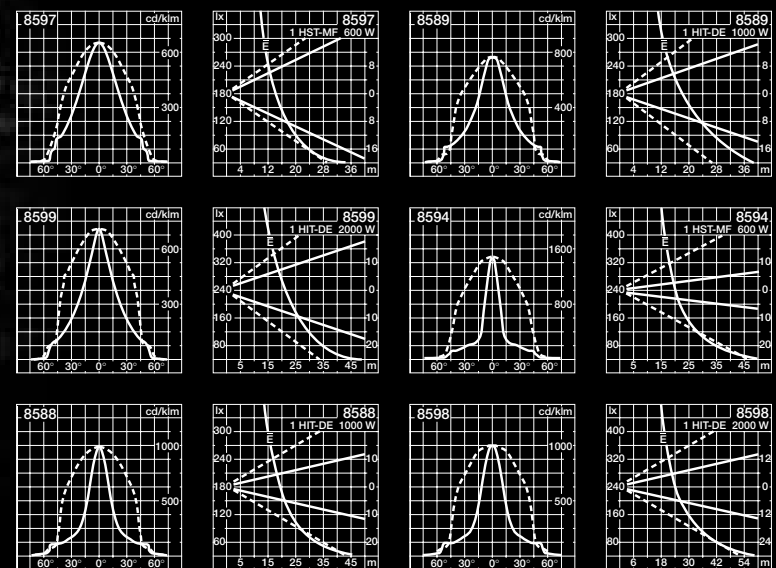


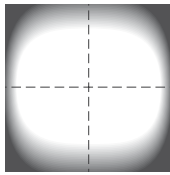
louvre

β = half beam angle

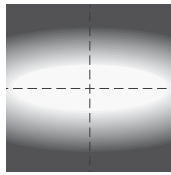
High-power floodlights
with **symmetrical broad spread** or **flat beam** light distribution
90 000 - 200 000 lumen

High-power floodlights for discharge lamps 600, 1000 and 2000 W.
Floodlights with symmetrically broad spread or flat beam light distribution.
They are designed for lighting tasks requiring very high light outputs.
To suppress glare, the luminaires can also be fitted with a louvre or shield.
External discharge units are required to operate these floodlights.
Matching control gear boxes or cross beams are given in the table.
For technical data of accessories, see page 510.
All important technical data are given in the instructions for use for these floodlights.





broad spread



flat beam

High-power floodlights with built-in ignitor
for discharge lamps up to 2000 W

Protection class IP 67

Die cast aluminium, aluminium and stainless steel · Safety glass
Reflector of pure anodized aluminium

Bracket with

1 central mounting hole $\varnothing 22$ mm and 2 mounting holes $\varnothing 9$ mm · 80 mm spacing

1 cable gland for connecting cable H07RN-F up to $\varnothing 11$ mm

2.5 \square connecting terminals

8599 · 8598 Ambient temperature t_a 15 °C

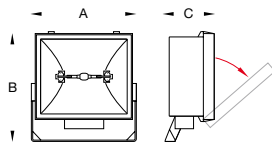
An external discharge unit is required to operate these luminaires.

We supply the following accessories for these luminaires:

- shields
- louvres
- cross beams
- control gear boxes

Accessories must be ordered separately.

Colour graphite



High-power floodlights · **broad spread**

Lamp				β	Lumen	A	B	C
8597	1 HST-MF	600 W	230 V	51/81°	90 000	520	550	230
8589	1 HIT-DE	1000 W	230 V	39/81°	90 000	520	550	230
8599	1 HIT-DE	2000 W	400 V	39/82°	200 000	520	550	230



420 655 498 212
420 655 391* 207
420 655 391* 202

High-power floodlights · **flat beam**

Lamp				β	Lumen	A	B	C
8594	1 HST-MF	600 W	230 V	16/78°	90 000	520	550	230
8588	1 HIT-DE	1000 W	230 V	25/80°	90 000	520	550	230
8598	1 HIT-DE	2000 W	400 V	25/81°	200 000	520	550	230



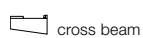
420 655 498 212
420 655 391* 207
420 655 391* 202



shield



louvre



cross beam



control gear box

β = half beam angle

* cross beam without discharge unit

Recessed luminaires for swimming pools

Safety class III ⬠

Swimming pool luminaires for installation in concrete, plastic sheet, metal or plastic pools.

Relamping and maintenance work can be performed simply and economically outside the water.

The luminaires are only intended for operation underwater. To avoid damaging deposits and soiling of the luminaires, the pH of the water should be neutral and not contain any agents which are aggressive to metal. Installation and operation of these luminaires are subject to safety regulations.

All technical data are given in the instructions for use for these luminaires.

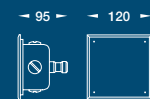
Junction box

for recessed installation in floors and wall surfaces.
For installation of cables of swimming pool luminaires
in Safety class III ⬠

Protection class IP 67

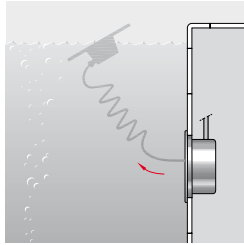
Stainless steel – material no. 1.4301 – electropolished
4 cable glands

1 hose connector for
soft PVC safety hose $\varnothing 28 \times 3.5$ mm.



223 Junction box





Recessed luminaire

Recessed swimming pool luminaires

- with LEDs
- with low voltage tungsten halogen lamps
- with low voltage reflector lamps

Protection class IP 68 10 m · Safety class III ⚡

Stainless steel – steel grade no. 1.4401 – electropolished

Safety glass

Reflector of pure anodized aluminium

3 m chlorine water resistant cable H07RN8-F

hose connector on the installation housing for soft PVC safety hose $\varnothing 28 \times 3.5$ mm

Recommended installation depth 400 to 700 mm below water level

8933 Colour temperature 3300 K

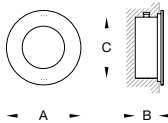
8912 · 8915 · 8918 with built-in special BEGA lamp

Lamps are included in the luminaire price.

Power supply unit 169 is required for luminaire 8933.

A safety transformer is necessary to operate swimming pool luminaires 8912 · 8915 · 8918 · 9912.

Technical data, page 514



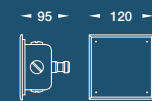
LEDs	Lamp		Lumen	A	B	C	
8933	Recessed swimming pool lum.	18 LED	25 W	630	265	70	210
169	Power supply unit for 8933						
Low voltage tungsten halogen lamps							
8912	Recessed swimming pool lum.	1 x 50 W	12 V	900	110	80	120
8915	Recessed swimming pool lum.	1 x 100 W	12 V	2000	195	65	150
8918	Recessed swimming pool lum.	2 x 100 W	12 V	4000	265	70	210
Low voltage reflector lamps							
9912	Recessed swimming pool lum.	1 PAR 56	300 W	6000	265	95	210



Surface-mounted luminaires for swimming pools
Safety class III ⬠

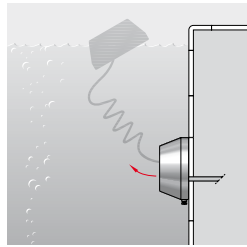
Surface-mounted swimming pool luminaires for concrete, metal or plastic pools.
Relamping and maintenance work can be performed simply and economically outside the water.
The luminaires are only intended for operation underwater. To avoid damaging deposits and soiling of the luminaires, the pH of the water should be neutral and not contain any agents which are aggressive to metal.
Installation and operation of these luminaires are subject to safety regulations.
All technical data are given in the instructions for use for these luminaires.

Junction box
for recessed installation in floors and wall surfaces.
For installation of cables of swimming pool luminaires
in Safety class III ⬠
Protection class IP 67
Stainless steel – material no. 1.4301 – electropolished
4 cable glands
1 hose connector for
soft PVC safety hose $\varnothing 28 \times 3.5$ mm.



223 Junction box





Surface-mounted luminaire

Surface-mounted swimming pool luminaires

- with LEDs
- with low voltage tungsten halogen lamps

Protection class IP 68 10 m · Safety class III ⚡

Stainless steel – steel grade no. 1.4401 – electropolished

Safety glass

Reflector of pure anodized aluminium

3m chlorine water resistant cable H07RN8-F

Recommended installation depth ~ 400 - 700 mm below water level

8942 Colour temperature 3300 K

8916 · 8920 with fitted special BEGA lamps

Lamps are included in the luminaire price.

Power supply unit 169 is required to operate luminaire 8942.

A safety transformer is necessary to operate luminaires 8916 · 8920.

Technical data, page 514.



LEDs		Lamp	Lumens		A	B
8942	Surface-mounted luminaire	18 LED	25 W	630	230	85
169	Power supply unit for 8942					
Low voltage tungsten halogen lamps						
8916	Surface-mounted luminaire	1 x 100 W	12 V	2000	165	80
8920	Surface-mounted luminaire	2 x 100 W	12 V	4000	230	85



Recessed and surface-mounted swimming pool luminaires
for additive RGB colour mix
Safety class III ⚡

Recessed and surface-mounted swimming pool luminaires for concrete, plastic sheet, metal or plastic pools.

Relamping and maintenance work can be performed simply and economically outside the water. The luminaires are only intended for operation underwater. To avoid damaging deposits and soiling of the luminaires, the pH of the water must be neutral and not contain any agents which are aggressive to metal.

We supply two control systems to mix and control the coloured light:

- Colour light control 243 - for freely programmable sequence
- Colour light control 244 - with fixed sequence

These luminaires can only be operated with a controllable power supply unit for LED luminaires RGB 24 V DC.

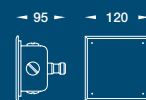
The controllable power supply unit is an accessory and must be ordered separately.

Installation and operation of these luminaires are subject to safety regulations.

All important technical data are given in the instructions for use for these luminaires.

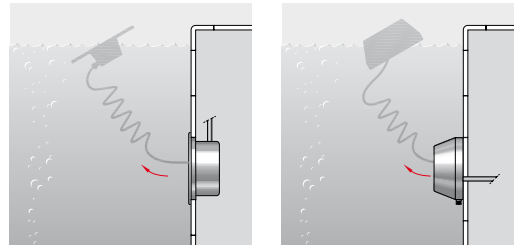
Junction box

for recessed installation in floors and wall surfaces. For installation of cables for swimming pools of Safety class III ⚡
Protection class IP 67
Stainless steel – steel grade no. 1.4301 – electropolished
4 cable glands
1 hose connector for soft PVC safety hose $\varnothing 28 \times 3,5$ mm.



223 Junction box





Recessed luminaire

Surface-mounted luminaire

Recessed or surface-mounted swimming pool luminaires with LEDs for additive RGB colour mix

Protection class IP 68 10 m · Safety class III ⚡

Stainless steel – steel grade no. 1.4401 – electropolished

Safety glass · Reflector of pure anodized aluminium

3 m chlorine water resistant cable H07RN8-F 4 x 0,75[□]

8934 hose connector on the installation housing for soft PVC safety hose Ø 28 x 3.5 mm

Recommended installation depth ~ 400 mm below water level

Power supply unit 169 and DALI control unit are required to operate the luminaires. Colour light control 243 or 244 are needed to mix the colours.

Technical data, page 515.



Recessed swimming pool luminaire

			A	B	C
8934	18 LED	36 W	265	70	210
169	Power supply unit for 8934				
184	DALI control unit for RGB swimming pool luminaires				



Surface-mounted swimming pool luminaire

			A	B
8943	18 LED	36 W	230	85
169	Power supply unit for 8943			
184	DALI control unit for RGB swimming pool luminaires			

Coloured light control

243	for freely programmable sequence
244	with fixed sequence



Underwater floodlights for low voltage reflector lamps PAR 36 · PAR 56

Submersible underwater floodlights designed for water depths of up to 5 m.
They provide lighting and illumination for private and public areas.

We supply two types of these luminaires:

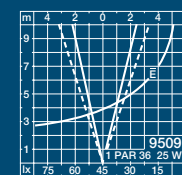
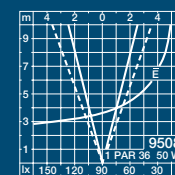
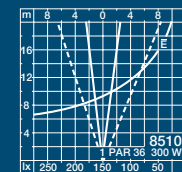
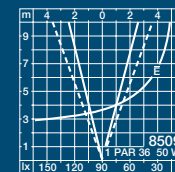
- as building element ready for connection either with 1 or 2 floodlights and transformer or
- as single floodlight for project-specific configuration.

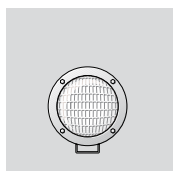
We supply coloured disks for coloured light as accessories. They must be ordered separately and installed by the customer. Safety glass is recommended for exposed locations to protect the lamps from physical damage.

The floodlights are only intended for underwater operation. To avoid damaging deposits and soiling of the luminaires, the pH of the water must be neutral, and should not contain any agents which attack metal.

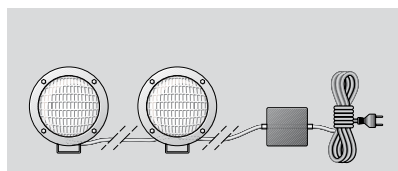
Installation and operation of these floodlights are subject to safety regulations.

All technical data and information are given in the instructions for use for these floodlights.





Single floodlight



1 or 2 floodlights with transformer

Underwater floodlights with low voltage reflector lamps · 12 V either as

- single floodlight for external transformer or
- 1 or 2 floodlights with transformer ready for connection

Protection class IP 68 5 m · Safety class III ⚡

Safety transformer: Protection class IP 66 · Safety class II ⚡ · 2 m connecting cable with power plug

Stainless steel – steel grade no. 1.4301 – electropolished

8509 · 8510 4 m waterproof cable H07RN8-F

9508 4 m waterproof cable H07RN8-F between floodlight and transformer

9509 4 m waterproof cable H07RN8-F between floodlights and transformer

2 m waterproof cable H07RN8-F between the two floodlights

Bracket for horizontal und vertical floodlight settings

Fitted lamps are included in the luminaire price.

We supply the following accessories for these floodlights

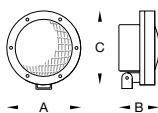
- clear safety glass
- coloured disks in the colours blue · green · yellow · red

Accessories must be ordered separately.

A safety transformer is required to operate floodlights 8509 · 8510.

The safety transformer may only be operated outside the water.

Technical data, page 514.



Single floodlights · **without** transformer

	Lamp	Lumen	A	B	C
8509	Underwater floodlight	1 PAR 36 · 12 V 50 W 700	135	75	140
8510	Underwater floodlight	1 PAR 56 · 12 V 300 W 6000	210	115	225



354 350 351 352 353
340 360 361 362 363

1 or 2 floodlights · **with** transformer

	Lamp	Lumen	A	B	C
9508	Underwater floodlight	1 PAR 36 · 12 V 50 W 700	135	70	140
9509	Underwater floodlight	2 PAR 36 · 12 V 25 W 680	135	70	140



354 350 351 352 353
354 350 351 352 353

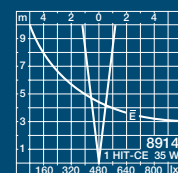
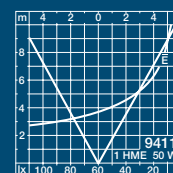
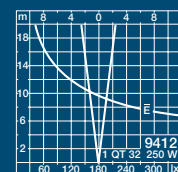
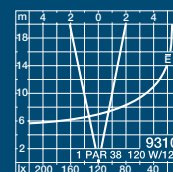
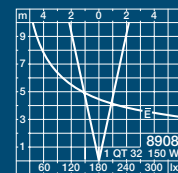
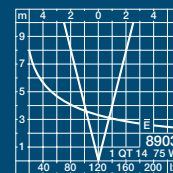
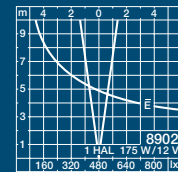
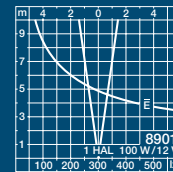
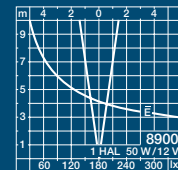
○ clear safety glass

●●●● coloured disks



Underwater floodlights for tungsten halogen lamps, reflector lamps and discharge lamps

Submersible underwater floodlights for water depths of up to 20 m. They provide lighting and illumination for private and public areas. We supply coloured disks for coloured light as accessories. They must be ordered separately and installed by the customer. The floodlights are only intended for underwater operation. To avoid damaging deposits and soiling of the luminaires, the pH of the water must be neutral, and should not contain any agents which attack metal. Connecting cables must be suitable for use in water. Installation and operation of these floodlights are subject to safety regulations. All technical data and information are given in the instructions for use for these floodlights.



Underwater floodlights

with low voltage tungsten halogen lamps or for reflector lamps,
high voltage tungsten halogen lamps and discharge lamps

Protection class IP 68 20m

Stainless steel – steel grade no. 1.4301 – electropolished

Safety glass

Reflector of pure anodized aluminium

1 cable gland for waterproof cable Ø 8-17 mm

Bracket for horizontal and vertical floodlight settings

8900 · 8901 · 8902 with fitted special BEGA lamps

Lamps are included in the luminaire price.

We supply the following accessories for these luminaires

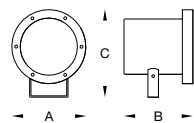
- hardened coloured disks in the colours blue · green · yellow · red

Accessories must be ordered separately.

A safety transformer is required to operate floodlights 8900 · 8901 · 8902.

The safety transformer may only be operated outside the water.

Technical data, page 514.



Low voltage 12 V · Safety class III ⚡ · **without transformer**

	Lamp	Lumen	A	B	C
8900	Underwater floodlight	1 x 50 W	12 V	900	135 95 170
8901	Underwater floodlight	1 x 100 W	12 V	2000	135 95 170
8902	Underwater floodlight	1 x 175 W	12 V	3500	190 180 230



128 129 138 139
128 129 138 139
255 254 256 257

High voltage · Safety class I ⚡

	Lamp	Lumen	A	B	C
8903	Underwater floodlight	1 QT 14	75 W	1050	135 95 170
8908	Underwater floodlight	1 QT 32	150 W	2400	190 180 230
9310	Underwater floodlight	1 PAR 38	120 W	1200	190 180 230
9412	Underwater floodlight	1 QT 32	250 W	4210	220 195 270
9411	Underwater floodlight	1 HME	50 W	2000	220 195 270
8914	Underwater floodlight	1 HIT-CE	35 W	3400	220 195 270



128 129 138 139
255 254 256 257
258 259 260 261
258 259 260 261
258 259 260 261



Underwater floodlights for discharge lamps up to 250 W

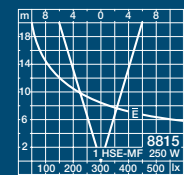
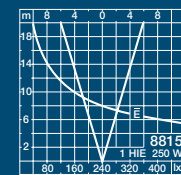
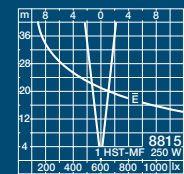
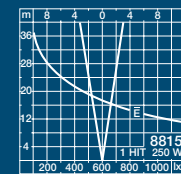
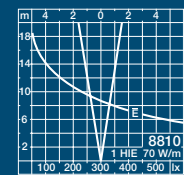
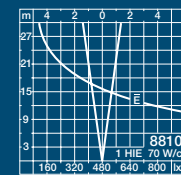
Submersible underwater floodlights for water depths of up to 20 m.

For illuminating large fountains and extensive water courses, and monitoring and inspecting reservoirs.

The floodlights are only intended for underwater operation. To avoid damaging deposits and soiling of the luminaires, the pH of the water must be neutral, and should not contain any agents which attack metal. Connecting cables must be suitable for use in water.

Installation and operation of these floodlights are subject to safety regulations.

All technical data and information are given in the instructions for use for these floodlights.



Underwater floodlights for discharge lamps

Protection class IP 68 20m

Stainless steel – steel grade no. 1.4301 – electropolished

Safety glass

Reflector of pure anodized aluminium

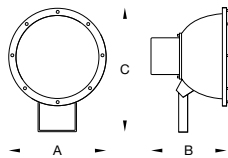
1 cable gland for waterproof cable Ø 8-17 mm

Bracket for horizontal and vertical floodlight settings

A separate control gear box 414 is required to operate luminaire 8815.

The control gear box may only be operated outside the water.

Technical data, page 511.



Floodlights **with** discharge units

		Lamp	β	Lumen	A	B	C
8810	Underwater floodlight	1 HIE/c 70 W	5°	6500	370	325	470
8810	Underwater floodlight	1 HIE/m 70 W	11°	6400	370	325	470

Floodlights **without** discharge units

		Lamp	β	Lumen	A	B	C
8815	Underwater floodlight	1 HIT · HST-MF 250 W	6°	33200	455	355	515
8815	Underwater floodlight	1 HIE · HSE-MF 250 W	33°	31100	455	355	515
414	Control gear box for 8815						



β = half beam angle

Drive-over LED in-ground floodlights

Installation depth **100 mm**
Pressure load **1000 kg**
Protection class **IP 68**



Location luminaires and floodlights with built-in LEDs.

LED technology is characterized by the following features:

- long life
- no maintenance
- low power consumption
- colour stability
- low surface temperature

These luminaires are designed for two different types of installation:

- for installation in compacted surfaces with an installation housing.

The luminaires are mounted in an installation housing on a foundation prepared by the customer.

The pressure is transferred by this housing to the foundation. When preparing the foundation, drainage must be provided.

- for installation in compacted surfaces with mounting holes prepared by the customer.

The luminaires are mounted in an installation housing and installed in recessed openings of $\varnothing 30$ mm prepared by the customer.

Vehicles with pneumatic tyres can drive over the luminaires. The luminaires must not be used for traffic lanes where they are subject to horizontal pressure from vehicles braking, accelerating and changing direction.

All technical data are given in the instructions for use for these luminaires.

The LED location luminaires and floodlights are also available on request in the light colours green, blue, yellow and red.



LED in-ground floodlights
with LEDs 24 V DC, either as

- location luminaires
- floodlights

Protection class IP 68 20m · Safety class III ⚡

Stainless steel

8688 Matt safety glass with optical texture

8689 · 8690 Clear safety glass

Reflector of pure anodized aluminium

Colour temperature 5500 K

Plastic installation bush

Stainless steel housing

0.3 m connecting cable H05RN8-F 2 x 1[□]

A separate power supply unit is required to operate the luminaires. Technical data, page 514.

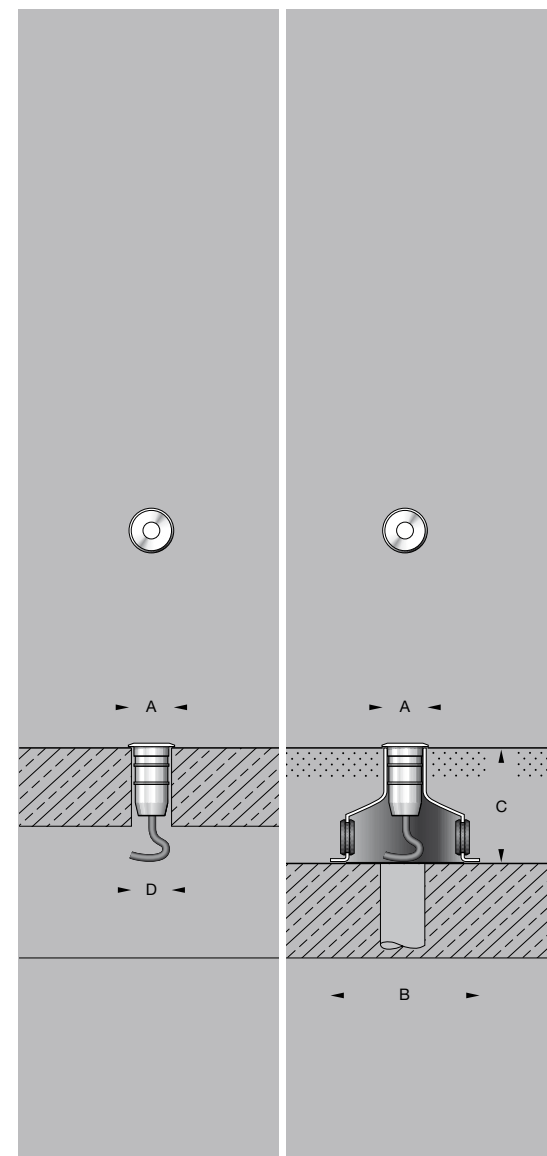
D = Ø recessed opening

LED location luminaire

Lamp	A	B	C	D
8688 1 LED 0,5 W	37	115	100	30

LED floodlight

Lamp	A	B	C	D
8689 1 LED 1,5 W	37	115	100	30
8690 1 LED 3 W	50	115	100	45
465 Power supply unit for 8688 · 8689 ·				



Drive-over in-ground floodlights

Installation depth **95-160 mm**
Pressure load **2000 kg**
Protection class **IP 68**

Location luminaires and floodlights with built-in LEDs
or for low voltage tungsten halogen lamps.

LED technology is characterized by the following features:

- long life
- no maintenance
- low power consumption
- colour stability
- low surface temperature

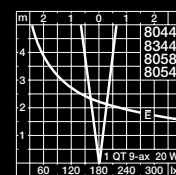
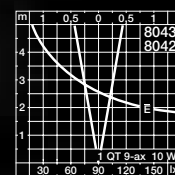
These luminaires are designed for installation in compacted surfaces, both indoors and outdoors. The luminaires are mounted on a foundation prepared by the customer which absorbs the pressure load.

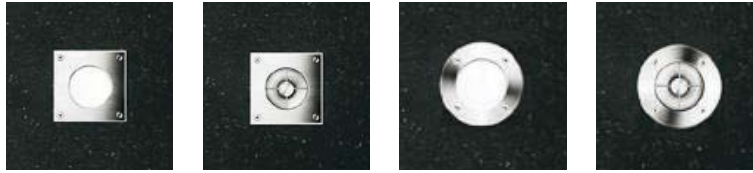
Vehicles with pneumatic tyres can drive over the luminaires. The luminaires must not be used for traffic lanes where they are subject to horizontal pressure from vehicles braking, accelerating and changing direction.

Please note: The operating temperatures (T) given in the table are the temperatures attained in the centre of the glass surface (according to EN 60 598 ambient temperature t_a 15 °C).

All technical data are given in the instructions for use for these luminaires.

The LED location luminaires on this double page are also available on request in the light colours green, blue, yellow and red.





Square or **round** in-ground floodlights with LEDs
or for low voltage tungsten halogen lamps, either as

- location luminaires
- floodlights

Protection class IP 68 10 m · Safety class I ⊕

8087 · 8084 · 8043 · 8044

8083 · 8088 · 8042 · 8058 Safety class III ⚡

Cast stainless steel and stainless steel

Location luminaires · White safety glass

Floodlights · Clear safety glass with built-in louvre

Reflector of pure anodized aluminium

1 cable gland for connecting cable Ø9-13 mm · 2,5[□] connecting terminal

8696 · 8697 · 8698 · 8699 2 cable glands

LED luminaires colour temperature 5500 K · with power supply unit

85 to 265 V ~50/60 Hz

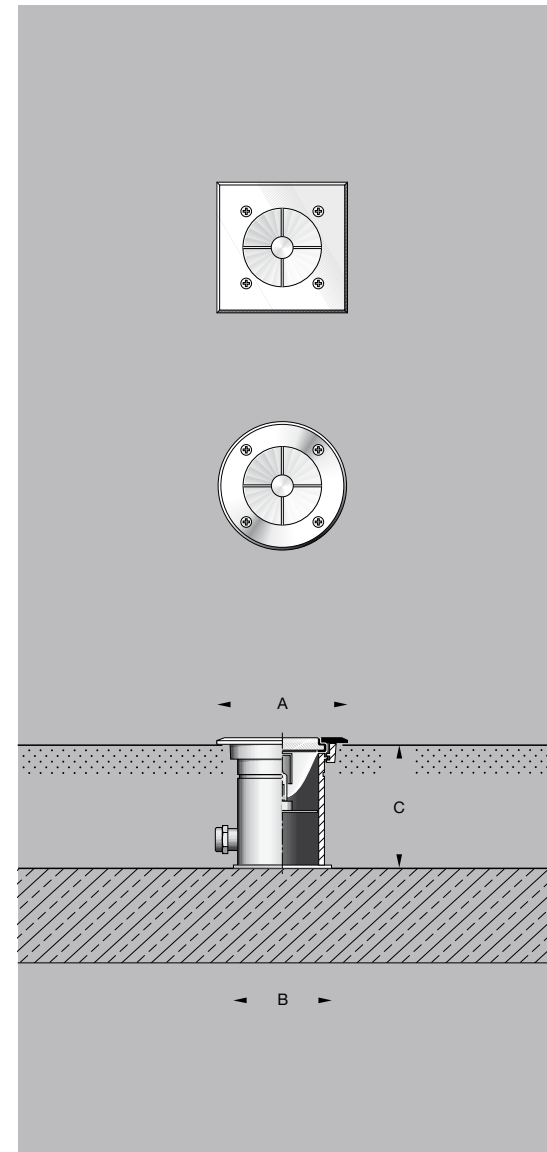
Square in-ground floodlights

LED location luminaires				β	Lumen	T	A	B	C
8696	1 LED	3 W	w/pow. suppl. unit	-	25	25°	90 [□]	90 [□]	95
8697	1 LED	5 W	w/pow. suppl. unit	-	50	25°	110 [□]	90 [□]	95
Location luminaires									
8087	1 QT 9-ax	5 W	w/o transformer	-	60	40°	90 [□]	90 [□]	95
8084	1 QT 9-ax	10 W	w/o transformer	-	130	70°	110 [□]	90 [□]	110
8097	1 QT 9-ax	10 W	w/transformer	-	130	70°	110 [□]	90 [□]	160
Floodlights									
8043	1 QT 9-ax	10 W	w/o transformer	10°	130	90°	90 [□]	90 [□]	95
8044	1 QT 9-ax	20 W	w/o transformer	12°	320	130°	110 [□]	90 [□]	110
8344	1 QT 9-ax	20 W	w/transformer	12°	320	130°	110 [□]	90 [□]	160

Round in-ground floodlights

LED location luminaires				β	Lumen	T	A	B	C
8698	1 LED	3 W	w/pow. suppl. unit	-	25	25°	Ø 90	90 [□]	95
8699	1 LED	5 W	w/pow. suppl. unit	-	50	25°	Ø 110	90 [□]	95
Location luminaires									
8083	1 QT 9-ax	5 W	w/o transformer	-	60	40°	Ø 90	90 [□]	95
8088	1 QT 9-ax	10 W	w/o transformer	-	130	70°	Ø 110	90 [□]	110
8094	1 QT 9-ax	10 W	w/transformer	-	130	70°	Ø 110	90 [□]	160
Floodlights									
8042	1 QT 9-ax	10 W	w/o transformer	10°	130	90°	Ø 90	90 [□]	95
8058	1 QT 9-ax	20 W	w/o transformer	12°	320	130°	Ø 110	90 [□]	110
8054	1 QT 9-ax	20 W	w/transformer	12°	320	130°	Ø 110	90 [□]	160

β = half beam angle



Drive-over in-ground floodlights for installation in round cut-outs

Installation depth **110 - 205 mm**
Pressure load **2000 kg**
Protection class **IP 68**

Location luminaires and floodlights with symmetrical or adjustable light distribution.

A new development, specially designed for indoors and outdoors to ensure the safe installation of luminaires in the ground with mounting holes prepared by the customer.

Luminaires of this type are suitable for installation in core holes or cut-outs in elevated floors.

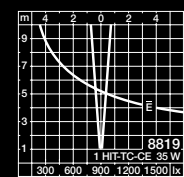
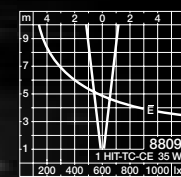
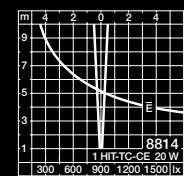
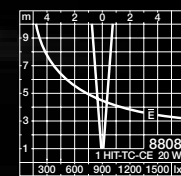
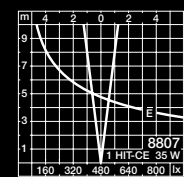
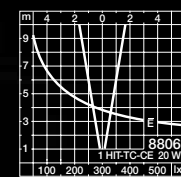
The patented mounting system allows fast, safe and precise positioning of the luminaires.

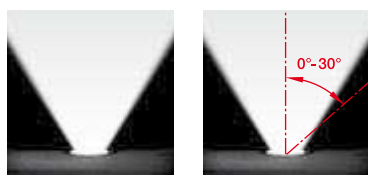
Vehicles with pneumatic tyres can drive over the luminaires. The luminaires must not be used for traffic lanes where they are subject to horizontal pressure from vehicles braking, accelerating and changing direction.

Please note: The operating temperatures (T) given in the table are the temperatures attained in the centre of the glass surface (according to EN 60 598 ambient temperature t_a 15 °C).

The infrared filters shown reduce the respective surface temperatures by about 20 %.

All exact temperatures and important technical data are given in the instructions for use for these luminaires.





symmetrical

adjustable

In-ground floodlights either as

- location luminaires
- **symmetrical** floodlights
- **adjustable** floodlights

Protection class IP 68 10 m

Frame ring and luminaire housing made of stainless steel · Safety glass

Reflector of pure anodized aluminium

8814 · 8819 narrow beam · with built-in louvre to reduce diffuse light

8806 · 8808 · 8814 with electronic ballast

1.5m connecting cable H07RN8-F 3G 1,5[□] · with water stop

1.2m protective tube for cable connection to connecting sleeve

- **symmetrical** floodlights

The following accessories can be ordered separately for these luminaires:

- inside louvres
- infrared filters

A combination of louvre and infrared filter is available to special order.

- **adjustable** floodlights with built-in infrared filter

The following accessories can be ordered separately for these luminaires:

- inside louvres
- dichroic colour effect filters in green, blue or yellow
- diffuser lenses, either wide beam or flat beam

Accessories can be used singly or in combination.

Please note: When the glass is wet, there may be a danger of skidding.

We recommend skid-blocking glass according to DIN 51130 R 13 – BEGA Patent DE 196 29 241 for

walk-over public areas. We supply any luminaire with this skid-blocking glass which is denoted by **R**

after the article number. The light distribution is more broad spread when this type of glass is used.

B = Ø recessed opening

Location luminaires · white safety glass

	Lamp	Lumen	T	A	B	C
8803	1 TC-S 5 W	250	35°	205	182	110
8805	1 TC-D 13 W	900	35°	245	225	115

Symmetrical floodlights · clear safety glass

	Lamp	Base	β	Lumen	T	A	B	C	
8806	1 HIT-TC-CE	20 W	GU 6,5	16°	1700	50°	205	182	190
8807	1 HIT-CE	35 W	G 12	14°	3400	65°	245	225	205



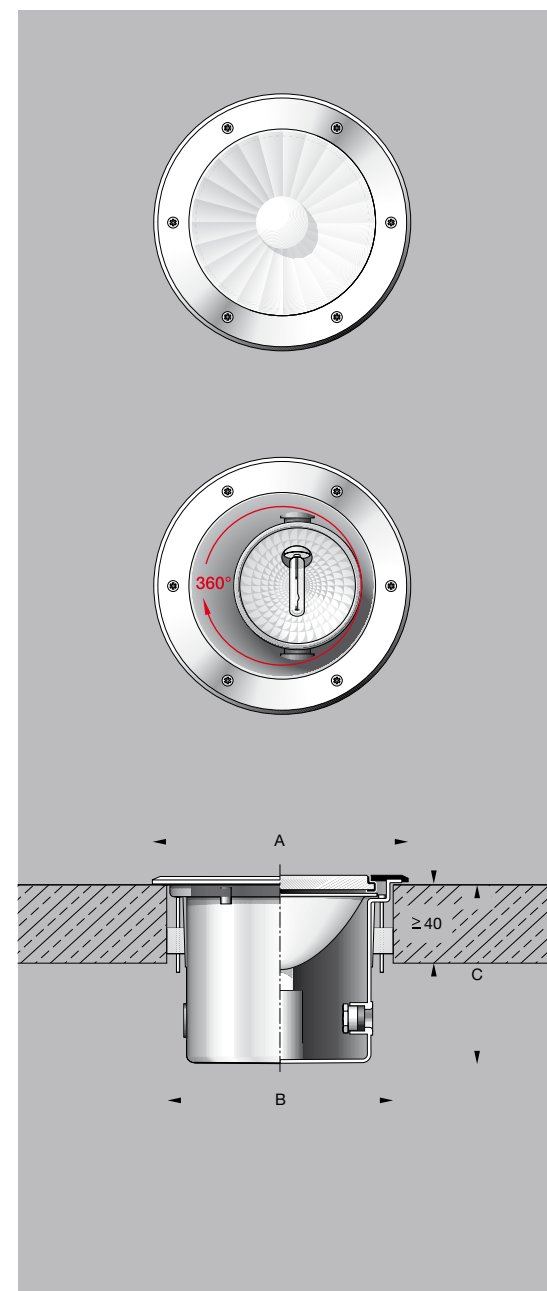
663 154
673 152

Adjustable floodlights · clear safety glass

	Lamp	Base	β	Lumen	T	A	B	C	
8808	1 HIT-TC-CE	20 W	GU 6,5	10°	1700	45°	205	182	190
8814	1 HIT-TC-CE	20 W	GU 6,5	6°	1700	55°	205	182	190
8809	1 HIT-TC-CE	35 W	G 8,5	13°	3400	60°	245	225	205
8819	1 HIT-TC-CE	35 W	G 8,5	8°	3400	70°	245	225	205



669 145 146 147 262 263
- 145 146 147 - -
670 321 322 323 300 309
- 321 322 323 - -



louvre



infrared filter



colour effect filters

diffuser lenses



wide beam



flat beam

β = half beam angle

Drive-over in-ground floodlights made of stainless steel

Installation depth **140 - 310 mm**

Pressure load **2000 kg**

Protection class **IP 68**

Floodlights made of stainless steel for installation in compacted surfaces, both indoors and outdoors.

The luminaires are installed e.g. in gravel, lawns, flower-beds or compacted surfaces so they »float«. If installed in an installation housing, this is an accessory and must be ordered separately.

Vehicles with pneumatic tyres can drive over the luminaires.

The luminaires must not be used for traffic lanes where they are subject to horizontal pressure from vehicles braking, accelerating and changing direction.

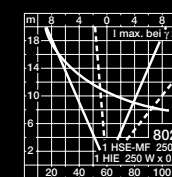
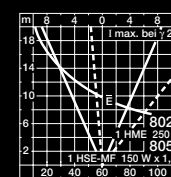
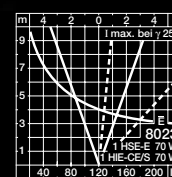
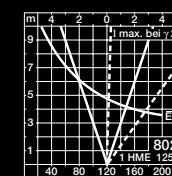
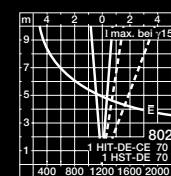
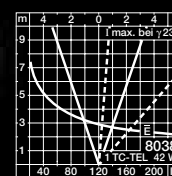
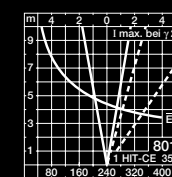
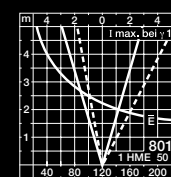
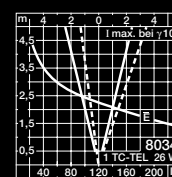
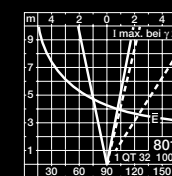
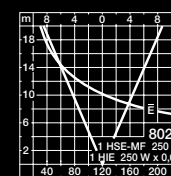
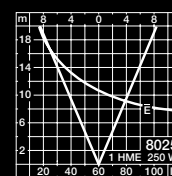
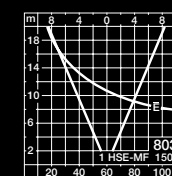
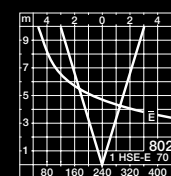
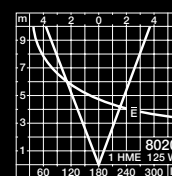
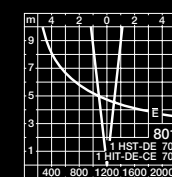
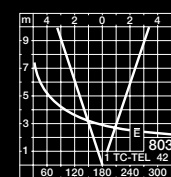
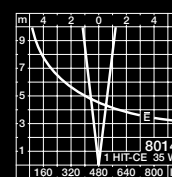
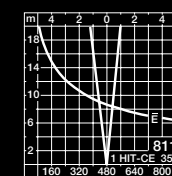
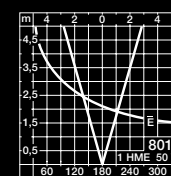
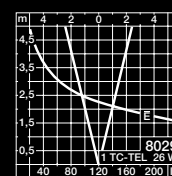
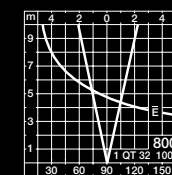
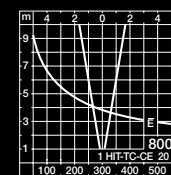
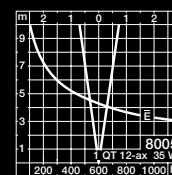
Please note: The operating temperatures (T) given in the table are the temperatures attained in the centre of the glass surface (according to EN 60 598 ambient temperature t_a 15 °C).

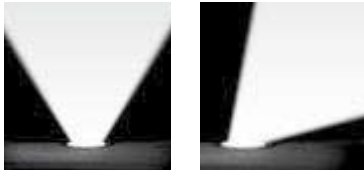
The infrared filters shown reduce the respective surface temperatures by about 20 %.

All exact temperatures and important technical data are given in the instructions for use for these luminaires.

Floodlights of the same design with adjustable light distribution are given on page 306.

We also supply coloured disks on request in the colours blue, green, yellow or red.





symmetrical

asymmetrical



In-ground floodlights either as

- **symmetrical** floodlights
- **asymmetrical** floodlights

Protection class IP 68 10m

Frame ring and luminaire housing made of stainless steel · Safety glass

Reflector of pure anodized aluminium

8111 narrow beam · with built-in louvre to reduce diffuse light

8000 · 8029 · 8034 · 8036 · 8038 with electronic ballast

2 cable glands for connecting cable Ø 9-15 mm · 8005 for Ø 9-13 mm

The following accessories can be ordered separately for these luminaires:

- inside louvres · infrared filters · installation housings

A combination of louvre and infrared filter is available to special order.

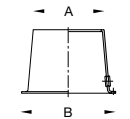
Matching installation housings made of stainless steel are given in the table.

All technical data are given in the instructions for use for these luminaires.

Please note: When the glass is wet, there may be a danger of skidding. We recommend skid-blocking glass according to DIN 51130 R 13 – BEGA Patent DE 196 29 241 for walk-over public areas.

We supply any luminaire with this skid-blocking glass which is denoted by **R** after the article number.

The light distribution is more broad spread when this type of glass is used.



Symmetrical floodlights

Lamp	β	Lumen	T	A	B	C
8005 1 QT 12-ax	35 W	8°	600	100°	145	95 140
8000 1 HIT-TC-CE	20 W	16°	1700	50°	205	140 165
8007 1 QT 32	100 W	19°	1470	100°	245	175 185
8029 1 TC-TEL	26 W	52°	1750	60°	245	175 185
8012 1 HME	50 W	60°	2000	100°	245	175 185
8111 1 HIT-CE	35 W	6°	3400	75°	245	175 185
8014 1 HIT-CE	35 W	14°	3400	65°	245	175 185
8036 1 TC-TEL	26 · 32 · 42 W	36°	3200	75°	330	240 225
8019 1 HI/HST-DE	70 W	13°	6900	70°	330	240 225
8020 1 HME	80 · 125 W	48°	6800	90°	330	240 225
8022 1 HIE-CE/S · HSE-E	50 · 70 W	35°	5900	75°	330	240 225
8030 1 HIE-CE/S · HSE-MF	150 W	38°	17000	60°	410	325 310
8025 1 HME	250 W	38°	14000	105°	410	325 310
8027 1 HIE · HSE-MF	250 W	38°	31100	90°	410	325 310



Install. housings

	A	B	C
671 151 693	140	260	170
663 154 680	200	275	190
673 152 687	235	310	210
681 – 687	235	310	210
681 – 687	235	310	210
– – 687	235	310	210
673 152 687	235	310	210
683 157 688	315	395	255
683 157 688	315	395	255
683 – 688*	315	395	255
683 – 688*	315	395	255
684 – 699	395	500	340
684 – 699	395	500	340
684 – 699	395	500	340

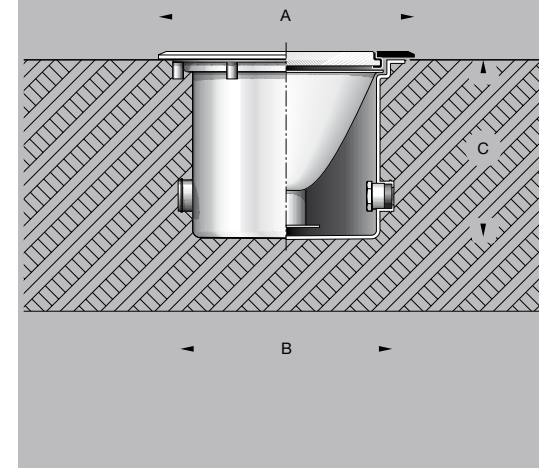
Asymmetrical floodlights

Lamp	β	Lumen	T	A	B	C
8017 1 QT 32	100 W	21/20°	1470	85°	245	175 185
8034 1 TC-TEL	26 W	52/50°	1750	55°	245	175 185
8013 1 HME	50 W	67/61°	2000	95°	245	175 185
8015 1 HIT-CE	35 W	18/20°	3400	60°	245	175 185
8038 1 TC-TEL	26 · 32 · 42 W	36/37°	3200	75°	330	240 225
8024 1 HI/HST-DE	70 W	12/9°	6900	70°	330	240 225
8021 1 HME	80 · 125 W	48/52°	6800	90°	330	240 225
8023 1 HIE-CE/S · HSE-E	50 · 70 W	39/41°	5900	75°	330	240 225
8056 1 HIE-CE/S · HSE-MF	150 W	46/49°	17000	75°	410	325 310
8026 1 HME	250 W	46/49°	14000	125°	410	325 310
8028 1 HIE · HSE-MF	250 W	46/49°	31100	105°	410	325 310



Install. housings

	A	B	C
685 158 687	235	310	210
– – 687	235	310	210
– – 687	235	310	210
685 158 687	235	310	210
– – 688	315	395	255
668 159 688	315	395	255
– – 688*	315	395	255
– – 688*	315	395	255
– – 699	395	500	340
– – 699	395	500	340
– – 699	395	500	340



louvre



infrared filter

β = half beam angle

• installation housing can only be used at lower wattage

Drive-over in-ground floodlights made of stainless steel with adjustable light distribution

Installation depth **165 - 225 mm**
 Pressure load **2000 kg**
 Protection class **IP 68**

Floodlights made of stainless steel with adjustable light distribution for installation in compacted surfaces, both indoors and outdoors.

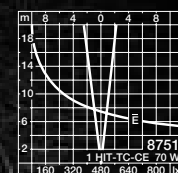
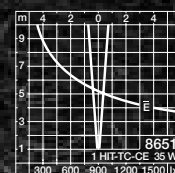
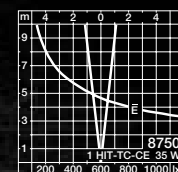
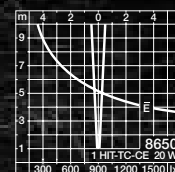
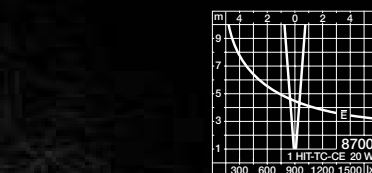
Either symmetrical or asymmetrical light distribution is produced thanks to the adjustable slope angles of the reflectors. The luminaires are installed e.g. in gravel, lawns, flower-beds or compacted surfaces so they »float«. If installed in an installation housing, this is an accessory and must be ordered separately.

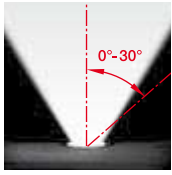
Vehicles with pneumatic tyres can drive over the luminaires. The luminaires must not be used for traffic lanes where they are subject to horizontal pressure from vehicles braking, accelerating and changing direction.

Please note: The operating temperatures (T) given in the table are the temperatures attained in the centre of the glass surface (according to EN 60 598 ambient temperature t_a 15 °C).

All exact temperatures and important technical data are given in the instructions for use for these luminaires.

Floodlights of the same design with symmetrical or asymmetrical light distribution are given on page 304.





adjustable



In-ground floodlights with **adjustable** light distribution

Protection class IP 68 10 m

Frame ring and luminaire housing made of stainless steel · Safety glass · Reflector · Built-in infrared filter
2 cable glands for connecting cable Ø9-15 mm · 2,5² connecting terminal

The slope angle of the reflectors is adjustable from 0° to 30°.

The optical system can be rotated ±180° around the vertical axis of the luminaire.
Light distribution is adjusted to meet the requirements of the lighting situation.

8650 · 8651 narrow beam · with built-in louvre to reduce diffuse light

8650 · 8700 with electronic ballast

The following accessories can be ordered separately for these luminaires:

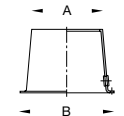
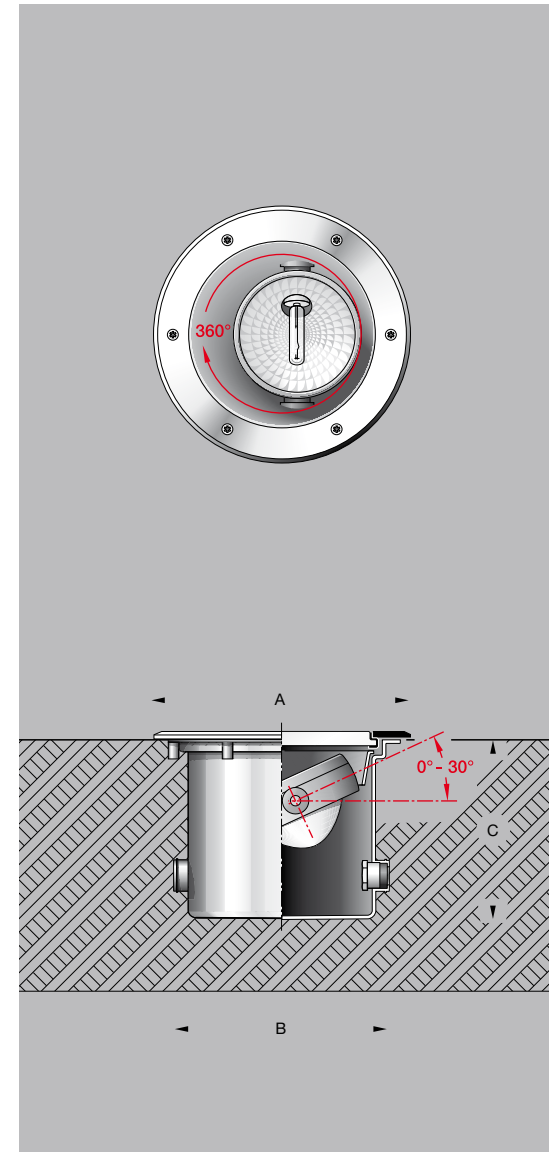
- inside louvres
- dichroic colour effect filters in green, blue or yellow
- diffuser lenses, either wide beam or flat beam
- installation housings

Accessories can be used singly or in combination.

Matching installation housings made of stainless steel are given in the table.

All technical data are given in the instructions for use for these luminaires.

Please note: When the glass is wet, there may be a danger of skidding. We recommend skid-blocking glass according to DIN 51130 R 13 – BEGA Patent DE 196 29 241 for walk-over public areas. We supply any luminaire with this skid-blocking glass which is denoted by **R** after the article number. The light distribution is more broad spread when this type of glass is used.



Adjustable floodlights

Lamp	Base	β	Lumen	T	A	B	C
8700	1 HIT-TC-CE 20 W	GU 6,5	10°	1700	45°	205	140 165
8650	1 HIT-TC-CE 20 W	GU 6,5	6°	1700	55°	205	140 165
8750	1 HIT-TC-CE 35 W	G 8,5	13°	3400	60°	245	175 185
8651	1 HIT-TC-CE 35 W	G 8,5	8°	3400	70°	245	175 185
8751	1 HIT-TC-CE 70 W	G 8,5	14°	6900	65°	330	240 225



Install. housings

	A	B	C
669	145	146	147
670	321	322	323
671	300	309	309
672	321	322	323
673	300	309	309
674	321	322	323
675	300	309	309
676	321	322	323
677	300	309	309
678	321	322	323
679	300	309	309
680	200	275	190
681	200	275	190
682	235	310	210
683	235	310	210
684	315	395	255



louvre



colour effect filters

diffuser lenses



wide beam



flat beam

β = half beam angle

Drive-over in-ground floodlights with shallow installation depth

Installation depth **120 mm**
 Pressure load **3000 kg**
 Protection class **IP 67**

Location luminaires and floodlights with symmetrical or asymmetrical light distribution.

These luminaires with a shallow installation depth of just 120 mm are particularly designed for areas with limited installation space e.g. for parking levels or suspended ceilings, both indoors and outdoors.

Before installing the luminaires, the customer must prepare a foundation which absorbs the pressure on the luminaires.

Vehicles with pneumatic tyres can drive over the luminaires.

The luminaires must not be used for traffic lanes where they are subject to horizontal pressure from vehicles braking, accelerating and changing direction.

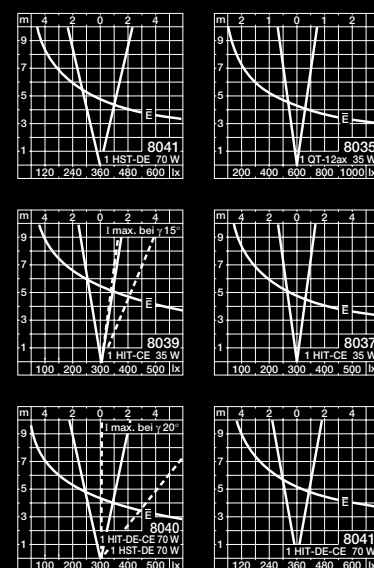
Please note: The operating temperatures (T) given in the table are the temperatures attained in the centre of the glass surface (according to EN 60 598 ambient temperature t_a 15 °C).

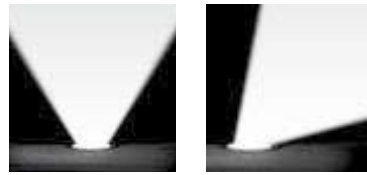
The infrared filters shown reduce the respective surface temperatures by about 20 %.

All exact temperatures and important technical data are given in the instructions for use for these luminaires.

Floodlights of the same design with adjustable light distribution are given on page 310.

We also supply coloured disks on request in the colours blue, green, yellow or red.





symmetrical

asymmetrical



In-ground floodlights either as

- location luminaires
- **symmetrical** floodlights
- **asymmetrical** floodlights

Protection class IP 67

Frame ring made of stainless steel · Luminaire housing made of die cast aluminium
 Safety glass · Reflector of pure anodized aluminium
 2 cable glands for connecting cable Ø9 - 15 mm
 2,5² connecting terminal

We supply the following accessories for the floodlights on this double page :

- inside louvres
- infrared filters

Accessories must be ordered separately.

A combination of louvre and infrared filter is available to special order.

Please note: When the glass is wet, there may be a danger of skidding.

We recommend skid-blocking glass according to DIN 51130 R 13 – BEGA Patent DE 196 29 241 for walk-over public areas. We supply any luminaire with this skid-blocking glass which is denoted by **R** after the article number.

The light distribution is more broad spread when this type of glass is used.

Location luminaires · **white** safety glass

	Lamp	Lumen	T	A	B	C
8031	1 TC-S 5 W	250	40°	155	215	120
8032	1 TC-D 18 W	1200	45°	260	325	120
8033	1 TC-D 26 W	1800	50°	330	395	120

Symmetrical floodlights · **clear** safety glass

	Lamp	Lumen	β	T	A	B	C	
8035	1 QT 12-ax	35 W	8°	600	90°	155	215	120
8037	1 HIT-CE	35 W	15°	3400	80°	260	325	120
8041	1 HI/HST-DE	70 W	21°	6900	90°	330	395	120



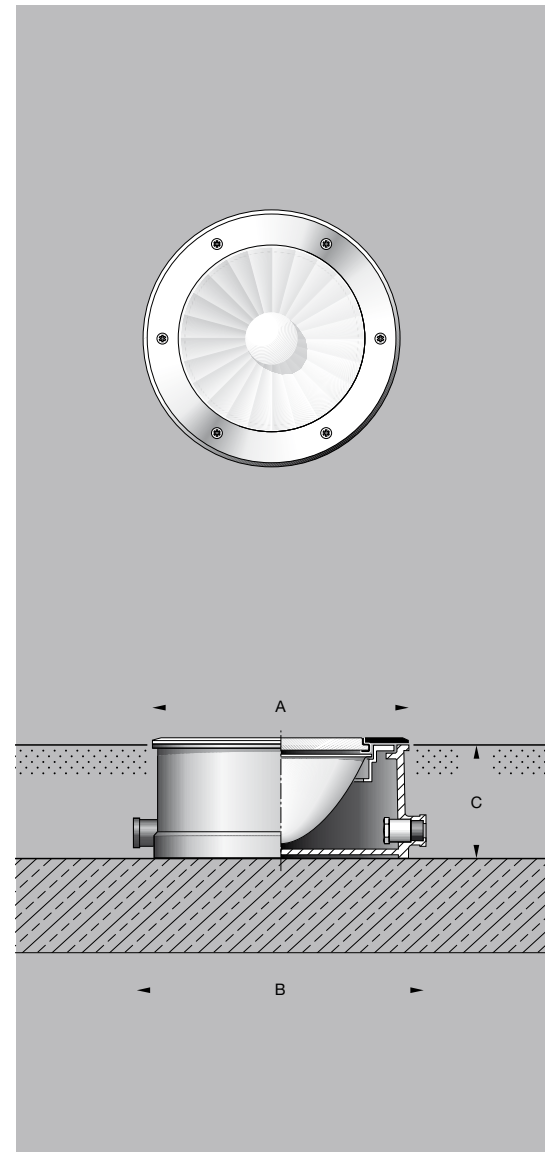
671 151
673 152
675 153

Asymmetrical floodlights · **clear** safety glass

	Lamp	Lumen	β	T	A	B	C	
8039	1 HIT-CE	35 W	16/18°	3400	75°	260	325	120
8040	1 HI/HST-DE	70 W	40/25°	6900	80°	330	395	120



657 155
658 156



louvre



infrared filter

β = half beam angle

Drive-over in-ground floodlights with shallow installation depth and **adjustable** light distribution

Installation depth **120 mm**
 Pressure load **3000 kg**
 Protection class **IP 67**

Floodlights with **adjustable** light distribution.

The adjustable slope angles of the reflectors allow either symmetrical or asymmetrical light distribution.

These luminaires with a shallow installation depth of just 120 mm are designed for areas with limited installation space e.g. for parking levels or suspended ceilings, both indoors and outdoors.

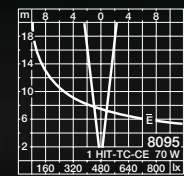
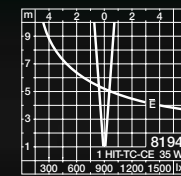
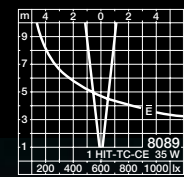
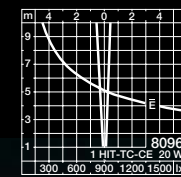
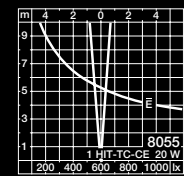
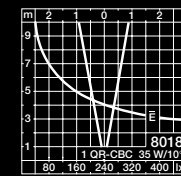
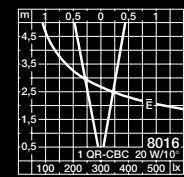
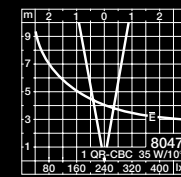
Before installing the luminaires, the customer must prepare a foundation which absorbs the pressure on the luminaires.

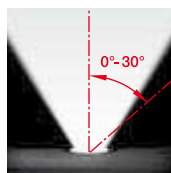
Vehicles with pneumatic tyres can drive over the luminaires.

The luminaires must not be used for traffic lanes where they are subject to horizontal pressure from vehicles braking, accelerating and changing direction.

Please note: The operating temperatures (T) given in the table are the temperatures attained in the centre of the glass surface (according to EN 60 598 ambient temperature t_a 15 °C). All exact temperatures and important technical data are given in the instructions for use for these luminaires.

Location luminaires and floodlights of the same design with symmetrical or asymmetrical light distribution are given on page 308.





adjustable



In-ground floodlights with **adjustable** light distribution

Protection class IP 67

Frame ring made of stainless steel · Die cast aluminium luminaire housing · Safety glass

8047 · 8016 · 8018 for cool beam reflector lamps

The half beam angle is determined by the type of lamp used.

8047 without transformer · Safety class III ⚡

8055 · 8096 · 8089 · 8194 · 8095 for discharge lamps · built-in infrared filter

8055 · 8096 · 8194 reflector of pure anodized aluminium

8089 · 8095 cool beam reflector

8055 · 8096 with electronic ballast

8096 · 8194 narrow beam · with built-in louvre to reduce diffuse light

2 cable glands for connecting cable $\varnothing 9-15$ mm · 2,5² connecting terminal

The slope angle of the reflectors is adjustable 0° to 30°.

The optical system can be rotated around the vertical axis of the luminaire.

The light distribution is thus adapted to the requirements of the lighting situation.

We supply the following accessories for luminaires 8055 · 8089 · 8095

- inside louvres
 - dichroic colour effect filters in the colours green, blue or yellow
 - diffuser lenses, either wide beam or flat beam
- Accessories can be used singly or in combination.

We supply the following accessories for luminaires 8096 · 8194

- dichroic colour effect filters in the colours green, blue or yellow
- Accessories must be ordered separately.

Please note: When the glass is wet, there may be a danger of skidding. We recommend skid-blocking glass according to DIN 51130 R 13 – BEGA Patent DE 196 29 241 for walk-over public areas. We supply any luminaire with this skid-blocking glass which is denoted by R after the article number. The light distribution is more broad spread when this type of glass is used.

Floodlights **without** transformer

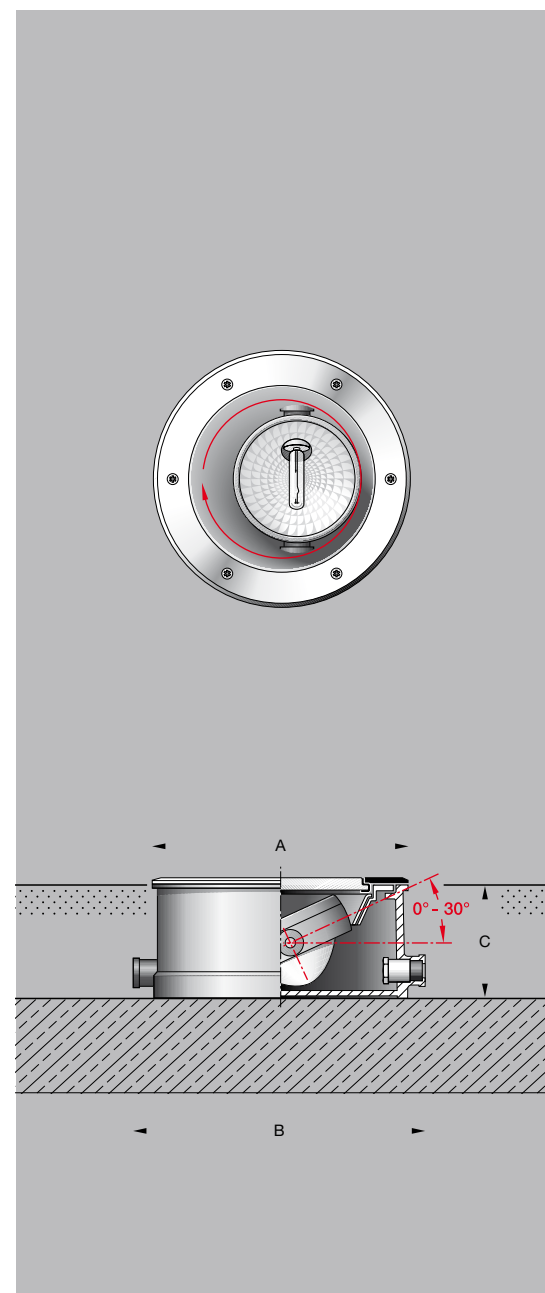
Lamp	Lumen	T	A	B	C
8047 1 QR-CBC 51 35 W	600	100°	130	215	120

Floodlights **with** transformer

Lamp	Lumen	T	A	B	C
8016 1 QR-CBC 51 20 W	320	65°	130	215	120
8018 1 QR-CBC 51 35 W	600	100°	130	215	120

Floodlights

Lamp	Base	β	Lumen	T	A	B	C												
8055 1 HIT-TC-CE 20 W	G 8,5	10°	1700	40°	260	325	120							670	321	322	323	300	309
8096 1 HIT-TC-CE 20 W	G 8,5	6°	1700	50°	260	325	120								321	322	323	300	309
8089 1 HIT-TC-CE 35 W	G 8,5	13°	3400	55°	260	325	120							670	321	322	323	300	309
8194 1 HIT-TC-CE 35 W	G 8,5	8°	3400	65°	260	325	120								321	322	323		
8095 1 HIT-TC-CE 70 W	G 8,5	14°	6900	70°	260	325	120							670	321	322	323	300	309



louvre



colour effect filters

diffuser lenses



wide beam



flat beam

β = half beam angle

Drive-over in-ground floodlights for high pressure loads

Installation depth **190 - 330 mm**
 Pressure load **5000 kg**
 Protection class **IP 67**

Location luminaires and floodlights with symmetrical or asymmetrical light distribution for installation in compacted surfaces, both indoors and outdoors.

These luminaires are characterized by their capacity to withstand especially high pressure loads of 5000 kg. They are extremely robust in construction and suitable for areas subject to high physical stress.

The luminaires are mounted in an installation housing made of high-strength, die cast aluminium on a foundation which absorbs the pressure loads. The foundation including drainage must be prepared by the customer.

Vehicles with pneumatic tyres can drive over the luminaires.

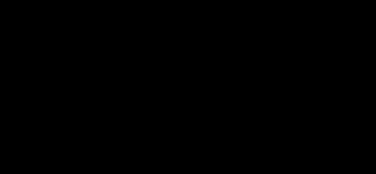
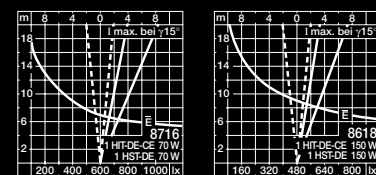
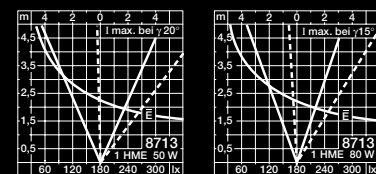
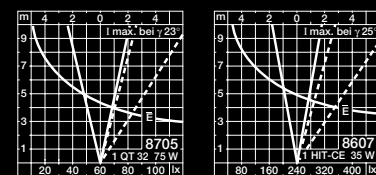
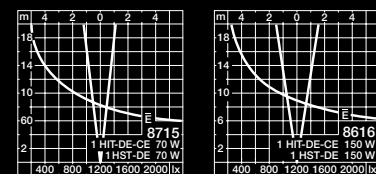
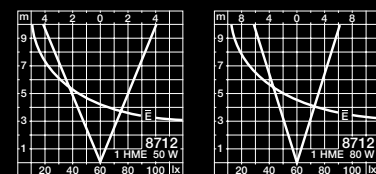
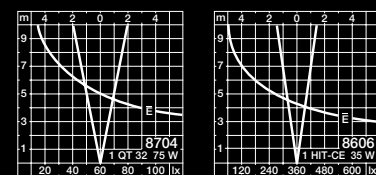
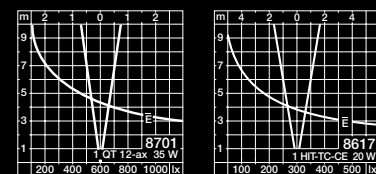
The luminaires must not be used for traffic lanes where they are subject to horizontal pressure from vehicles braking, accelerating and changing direction.

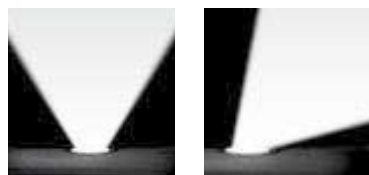
Please note: The operating temperatures (T) given in the table are the temperatures attained in the centre of the glass surface (according to EN 60 598 ambient temperature t_a 15 °C).

The infrared filters shown reduce the respective surface temperatures by about 20 %.

All exact temperatures and important technical data are given in the instructions for use for these luminaires.

Luminaires of the same design with adjustable light distribution are given on page 314.





symmetrical

asymmetrical



In-ground luminaires as

- location luminaires
- **symmetrical** floodlights
- **asymmetrical** floodlights

Protection class IP 67

Stainless steel frame ring · Die cast aluminium luminaire housing and installation housing
Safety glass · Reflector of pure anodized aluminium

1.5m connecting cable H07RN8-F 3G 1.5[□] · with water stopper

1.2m protective tube for underground cable up to connecting sleeve

8617 with electronic ballast

We supply the following accessories for these luminaires

- inside louvres
- IR filters

Accessories must be ordered separately.

A combination of louvres and IR filters can be supplied to special order.

Please note: When the glass of the luminaires is wet, there may be a danger of skidding. We recommend skid-blocking glass according to DIN 51130 R13 – BEGA-Patent DE 19629241 for walk-over public areas.

Luminaires denoted by **R** after the article number are supplied with this glass.

Light distribution is more broad spread when this type of glass is used.

Location luminaires · white safety glass

	Lamp	Lumen	T	A	B	C
8703	1 TC-D 10 W	600	50°	160	200	190
8708	1 TC-D 13 W	900	40°	245	275	230
8711	1 TC-D 18 W	1200	25°	330	355	250

Symmetrical floodlights · clear safety glass

	Lamp	β	Lumen	T	A	B	C	
8701	1 QT 12-ax	35 W	8°	600	90°	160	200	190
8617	1 HIT-TC-CE	20 W	16°	1700	50°	205	250	210
8704	1 QT 32	75 W	22°	1050	80°	245	275	230
8606	1 HIT-CE	35 W	14°	3400	65°	245	275	230
8712	1 HME	50·80 W	46·65°	4000	90°	330	355	250
8715	1 HI/HST-DE	70 W	7°	6900	75°	330	355	250
8616	1 HI/HST-DE	150 W	8°	15000	80°	330	360	330



671 151

663 154

672 182

672 182

682 -

674 183

674 183

Asymmetrical floodlights · clear safety glass

	Lamp	β	Lumen	T	A	B	C	
8705	1 QT 32	75 W	24/24°	1050	80°	245	275	230
8607	1 HIT-CE	35 W	14/15°	3400	65°	245	275	230
8713	1 HME	50·80 W	47/44°	4000	90°	330	355	250
8716	1 HI/HST-DE	70 W	10/12°	6900	75°	330	355	250
8618	1 HI/HST-DE	150 W	11/12°	15000	80°	330	360	330



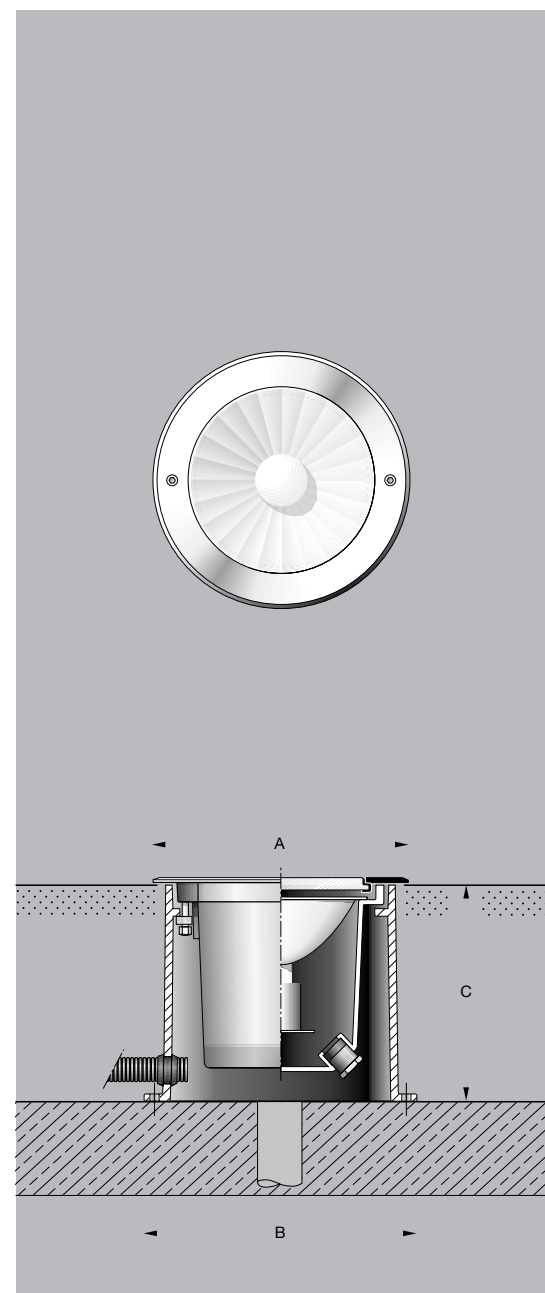
686 185

686 185

- -

689 186

689 186



louvres



IR filters

β = half beam angle

Drive-over in-ground luminaires for high pressure loads with **adjustable** light distribution

Installation depth **210 - 250 mm**
 Pressure load **5000 kg**
 Protection class **IP 67**

Floodlights with adjustable light distribution.

For installation in compacted surfaces, both indoors and outdoors.

The adjustable slope angles of the reflectors allow symmetrical or asymmetrical light distribution.

These luminaires are characterized by their capacity to withstand especially high pressure loads of 5000 kg.

They are extremely sturdy luminaires which are suitable for areas requiring the highest level of robustness.

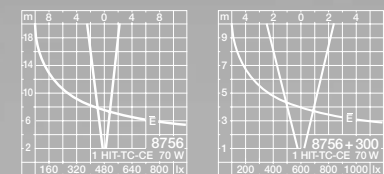
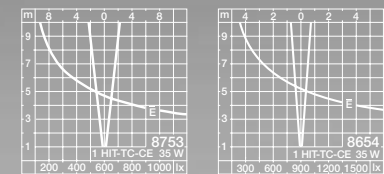
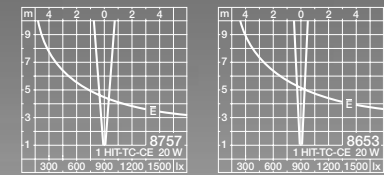
The luminaires are mounted in an installation housing made of high-strength die cast aluminium on a foundation which is designed to bear the pressure load. The foundation including drainage must be provided by the customer before installation.

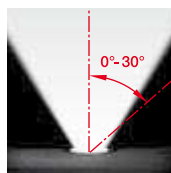
Vehicles with pneumatic tyres can drive over these luminaires. The luminaires must not be used for traffic lanes where they are subject to horizontal pressure from vehicles braking, accelerating and changing direction.

Please note: The operating temperatures (T) in the centre of the glass surface are given in the table (measured according to EN 60598 at an ambient temperature of 15 °C).

All the exact temperatures and important technical data are given in the instructions for use for these luminaires.

For location luminaires and floodlights of the same construction with symmetrical or asymmetrical light distribution – see page 312.





adjustable



In-ground floodlights with **adjustable** light distribution

Protection class IP 67

Stainless steel frame ring · Die cast aluminium luminaire housing and installation housing

Safety glass · Reflector · Built-in IR filter

1.5m connecting cable H07RN8-F 3G 1.5[□] · with water stopper

1.2m protective tube for underground cable up to connecting sleeve

The slope angle of the reflectors can be adjusted from 0°-30°.

The optical system can be rotated ±180° around the vertical axis of the luminaire.

Light distribution is adjusted to the requirements of the situation.

8757 · 8653 with electronic ballast

8653 · 8654 narrow beam · with built-in louvre to reduce diffuse light

We supply the following accessories for these luminaires

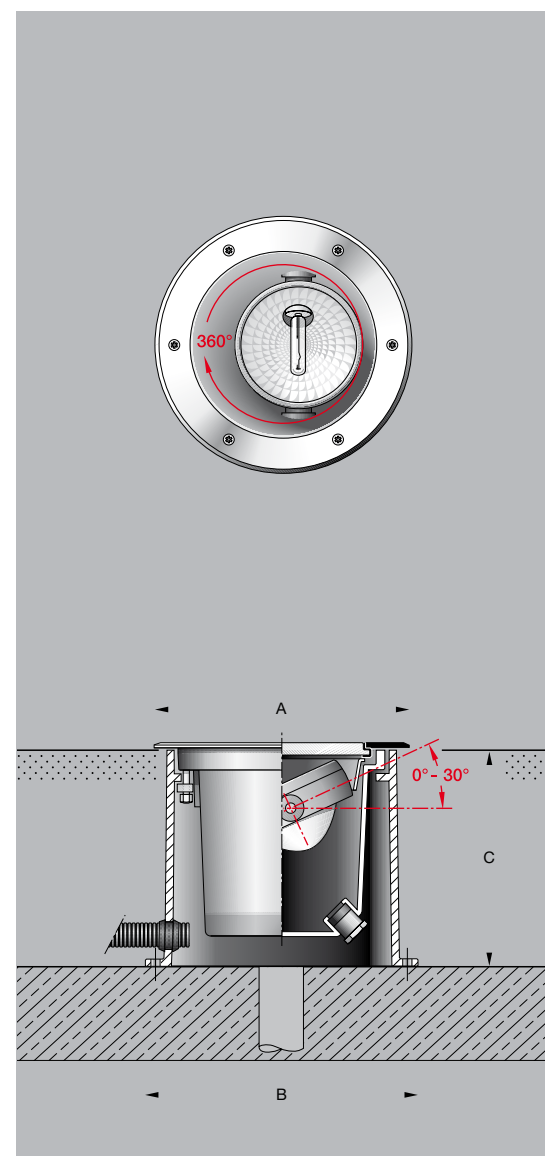
- inside louvres
- dichroic colour effect filters in green, blue or yellow
- wide beam or flat beam diffuser lenses

Accessories can be used together or on their own. They must be ordered separately.

Please note: When the glass of the luminaires is wet, there may be a danger of skidding.

We recommend skid-blocking glass according to DIN 51130 R 13 – BEGA-Patent DE 19629241 for walk-over public areas. Luminaires denoted by **R** after the article number are supplied with this glass.

Light distribution is more broad spread when this type of glass is used.



Floodlights · adjustable								
Lamp	Base	β	Lumen	T	A	B	C	
8757	1 HIT-TC-CE 20 W	GU 6.5	10°	1700	45°	205	250	210
8653	1 HIT-TC-CE 20 W	GU 6.5	6°	1700	55°	205	250	210
8753	1 HIT-TC-CE 35 W	G 8.5	13°	3400	60°	245	275	230
8654	1 HIT-TC-CE 35 W	G 8.5	8°	3400	70°	245	275	230
8756	1 HIT-TC-CE 70 W	G 8.5	14°	6900	65°	330	355	250



669	145	146	147	262	263
-	145	146	147	-	-
670	321	322	323	300	309
-	321	322	323	-	-
670	321	322	323	300	309



louvres



colour effect filters

diffuser lenses



wide beam



flat beam

β = half beam angle

Drive-over in-ground luminaires for high pressure loads

Installation depth **120 · 160 mm**
 Pressure load **5000 kg**
 Protection class **IP 67**



Location luminaires and floodlights with asymmetrical light distribution.

For installation in compacted surfaces, both indoors and outdoors.

These luminaires are characterized by their capacity to withstand especially high pressure loads of 5000 kg.

They are extremely sturdy luminaires which are suitable for areas requiring the highest level of robustness.

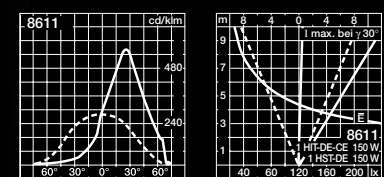
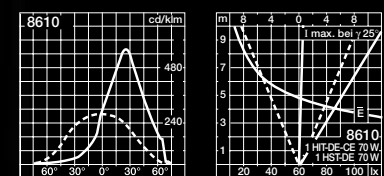
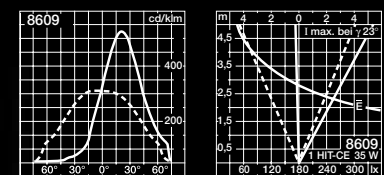
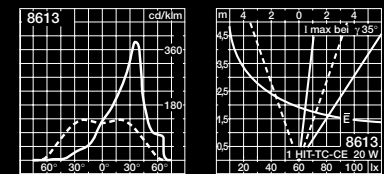
The luminaires are mounted in an installation housing made of high-strength die cast aluminium on a foundation which is designed to bear the pressure load. The foundation including drainage must be provided by the customer before installation.

Vehicles with pneumatic tyres can drive over these luminaires. The luminaires must not be used for traffic lanes where they are subject to horizontal pressure from vehicles braking, accelerating and changing direction.

Please note: The operating temperatures (T) in the centre of the glass surface are given in the table (measured according to EN 60598 at an ambient temperature of 15 °C).

All the exact temperatures and important technical data are given in the instructions for use for these luminaires.

On request, we also supply coloured disks in blue, green, yellow or red.





asymmetrical

In-ground luminaires as

- location luminaires
- **asymmetrical** floodlights

Protection class IP 67

Stainless steel frame

Die cast aluminium luminaire housing and installation housing

Safety glass · Reflector of pure anodized aluminium

Floodlights with built-in louvre to suppress lateral glare

1.5m connecting cable H07RN8-F 3G 1.5[□] · with water stopper

1.2m protective tube for underground cable up to connecting sleeve

8613 with electronic ballast

Please note: When the glass of the luminaires is wet, there may be a danger of skidding. We recommend skid-blocking glass according to DIN 51130 R13 – BEGA-Patent DE 19629241 for walk-over public areas. Luminaires denoted by **R** after the article number are supplied with this glass. Light distribution is more broad spread when this type of glass is used.

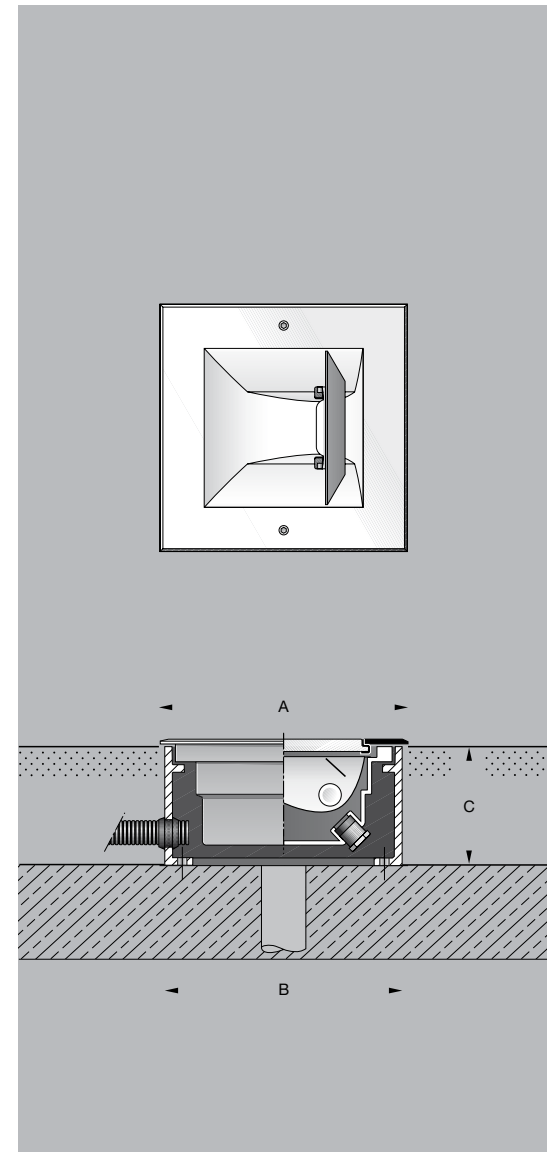
Location luminaires · white safety glass

	Lamp	Lumen	T	A	B	C
8600	1 TC-S 5 W	250	35°	160 [□]	155 [□]	120
8608	1 TC-D 13 W	900	35°	255 [□]	245 [□]	120
8620	1 TC-F 18 W	1100	35°	330 [□]	310 [□]	160
8621	2 TC-F 18 W	2200	35°	440 [□]	420 [□]	160

Asymmetrical floodlights · clear safety glass

	Lamp	β	Lumen	T	A	B	C	
8613	1 HIT-TC-CE	20 W	35/72°	1700	60°	160 [□]	155 [□]	120
8609	1 HIT-CE	35 W	49/82°	3400	70°	255 [□]	245 [□]	120
8610	1 HI/HST-DE	70 W	48/80°	6900	70°	330 [□]	310 [□]	160
8611	1 HI/HST-DE	150 W	52/78°	15000	105°	440 [□]	420 [□]	160

β = half beam angle



Drive-over LED in-ground luminaires

Installation depth **70 mm**
Pressure load **1000 kg**
Protection class **IP 67**

Location luminaires and floodlights with built-in LEDs.

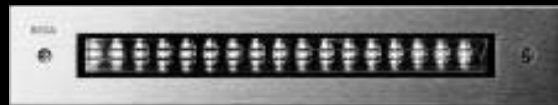
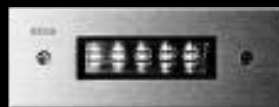
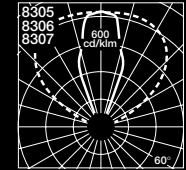
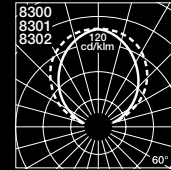
LED technology is characterized by the following features:

- long life
- no maintenance
- low energy consumption
- colour stability
- low surface temperature

These luminaires are designed for installation in compacted surfaces, both indoors and outdoors.

The luminaires are mounted in an installation housing on a foundation which is designed to bear the pressure load. The foundation including drainage must be provided by the customer before installation. Vehicles with pneumatic tyres can drive over these luminaires. The luminaires must not be used for traffic lanes where they are subject to horizontal pressure from vehicles braking, accelerating and changing direction.

All technical data are given in the instructions for use for these luminaires. We also supply the LED location luminaires and floodlights in the light colours blue, green, yellow and red.



400

200

100

In-ground LED luminaires with LEDs 24 V DC as

- location luminaires
- floodlights

Protection class IP 67 · Safety class III ⚡

Stainless steel luminaire housing and frame

Aluminium installation housing

White or clear safety glass

Reflector of pure anodized aluminium

Colour temperature 5500K

Connecting cable H05RN8-F 2x1□

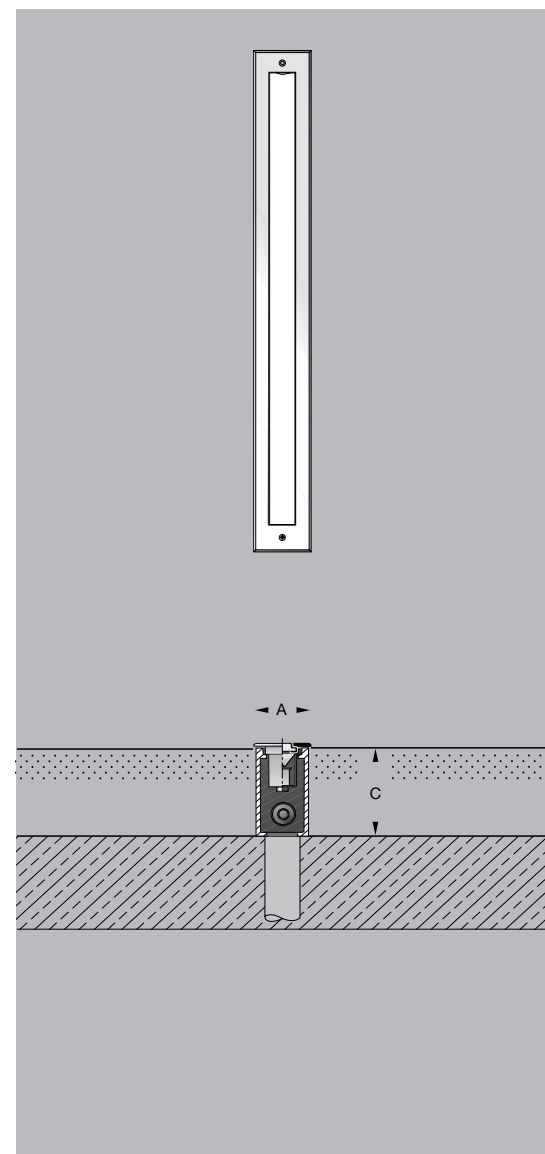
A separate power supply unit is required to operate the luminaires. Technical data, page 514.

LED location luminaires · white safety glass

				A	C
8300	In-ground luminaire	6 LED	0,5 W	100x37	70
8301	In-ground luminaire	18 LED	1,5 W	200x37	70
8302	In-ground luminaire	42 LED	3,5 W	400x37	70
465	Power supply unit for LED luminaires				

LED floodlights · clear safety glass

				A	C
8305	In-ground luminaire	6 LED	0,5 W	100x37	70
8306	In-ground luminaire	18 LED	1,5 W	200x37	70
8307	In-ground luminaire	42 LED	3,5 W	400x37	70
465	Power supply unit for LED luminaires				



Drive-over LED in-ground luminaires for additive RGB colour mix

Installation depth **70 mm**
Pressure load **1000 kg**
Protection class **IP 67**

Unshielded luminaires for additive RGB colour mix

We supply two control systems to mix and control the coloured light:

- coloured light control 243 – for freely programmable sequence
- coloured light control 244 – with fixed sequence

These luminaires are designed for installation in compacted surfaces, both indoors and outdoors. The luminaires are mounted in an installation housing on a foundation which is designed to bear the pressure load. The foundation including drainage must be provided by the customer before installation.

Vehicles with pneumatic tyres can drive over these luminaires. The luminaires must not be used for traffic lanes where they are subject to horizontal pressure from vehicles braking, accelerating and changing direction. All important technical data are given in the instructions for use for these luminaires.



LED in-ground luminaires for additive RGB colour mix with LEDs 24 V DC

Protection class IP 67 · Safety class III ⚡

Stainless steel luminaire housing and frame

Aluminium installation housing

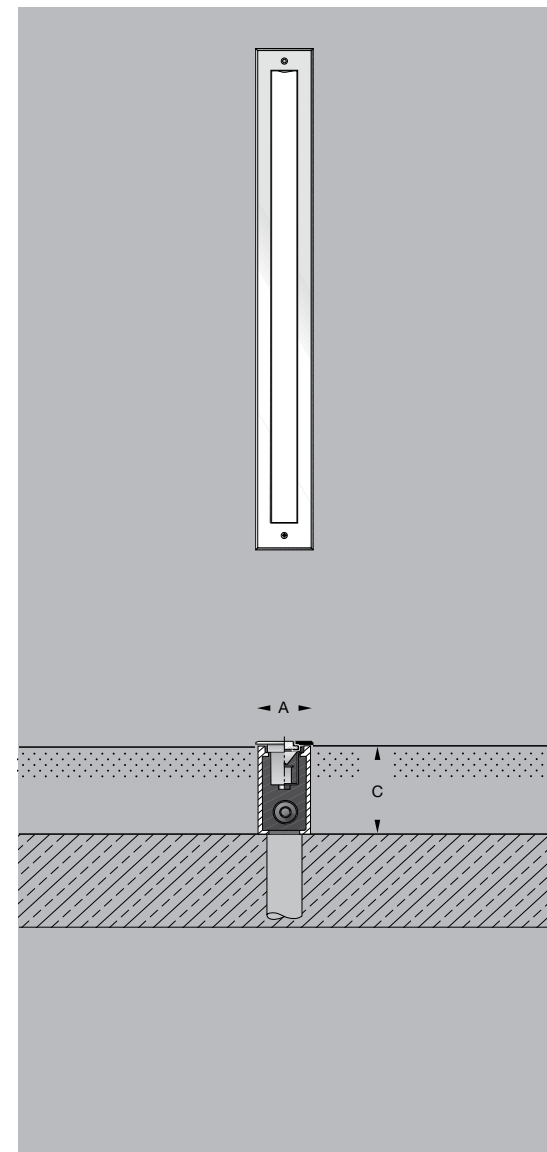
White safety glass

Reflector of pure anodized aluminium

Connecting cable H05RN8-F 4x0.75[□]

To operate the luminaires, programmable power supply unit 445 is required together with coloured light control 243 or 244.

Technical data, page 515.



In-ground LED luminaires RGB

				A	C
8897	In-ground luminaire	12 LED	3.6 W	200x37	70
8898	In-ground luminaire	28 LED	8.4 W	400x37	70
445	Programmable PSU for LED luminaires RGB 24 V DC				

Coloured light controls

243	for freely programmable sequence
244	with fixed sequence

Drive-over in-ground luminaires for fluorescent lamps TC-S, TC-L and T 16

Installation depth **120 · 125 mm**
 Pressure load **5000 kg**
 Protection class **IP 67**

Location luminaires and floodlights with symmetrical or asymmetrical light distribution. They are designed for installation in compacted surfaces, both indoors and outdoors. These luminaires are characterized by their capacity to withstand pressure loads of 5000 kg.

They are extremely sturdy luminaires which are suitable for areas requiring the highest level of robustness.

The luminaires are mounted in an installation housing on a foundation which is designed to bear the pressure load. The foundation including drainage must be provided by the customer before installation.

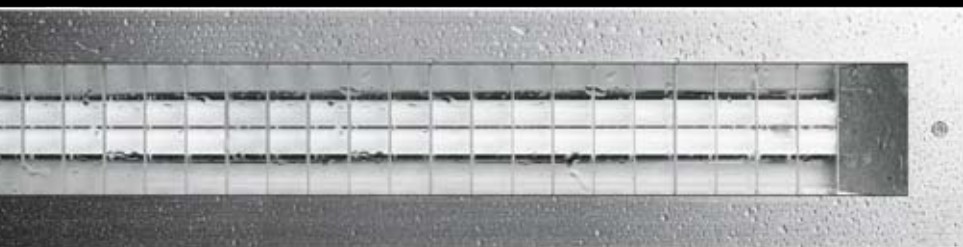
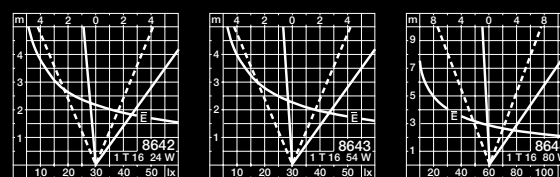
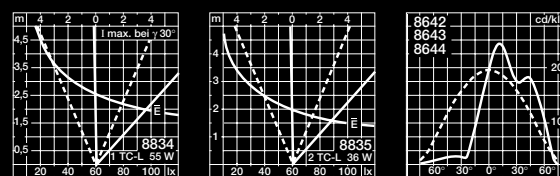
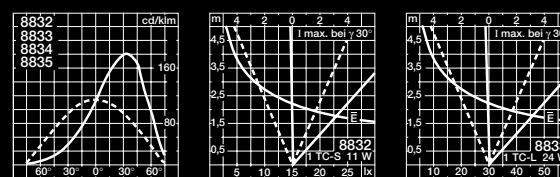
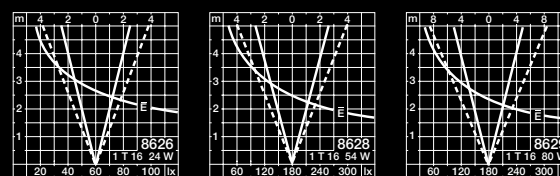
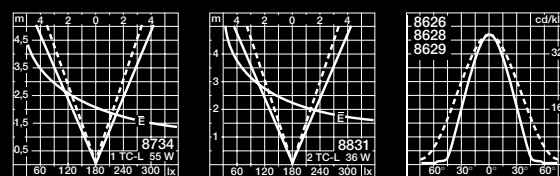
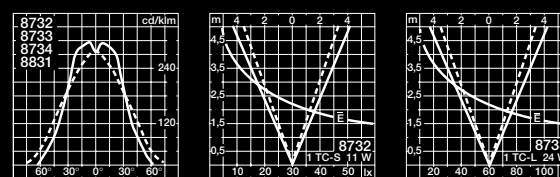
Vehicles with pneumatic tyres can drive over these luminaires. The luminaires must not be used for traffic lanes where they are subject to horizontal pressure from vehicles braking, accelerating and changing direction.

The luminaires for fluorescent lamps T 16 are equipped with electronic ballasts.

14 · 24 W, 28 · 54 W or 35 · 80 W lamps can be used in these luminaires.

Please note: The operating temperatures (T) in the centre of the glass surface are given in the table (measured according to EN 60598 at an ambient temperature of 15 °C).

All the exact temperatures and important technical data are given in the instructions for use for these luminaires.



In-ground luminaires for fluorescent lamps as

- location luminaires
- **symmetrical** floodlights
- **asymmetrical** floodlights

Protection class IP 67

Stainless steel frame · Aluminium housing

Safety glass · Reflector of pure anodized aluminium

Symmetrical floodlights with built-in louvre to suppress lateral glare

1.5 m connecting cable H07RN8-F 3G 1.5[□] · with water stopper

1.2 m protective tube for underground cable up to connecting sleeve

Luminaires for fluorescent lamps T 16 and TC-L 55 W with electronic ballast

Please note: When the glass of the luminaires is wet, there may be a danger of skidding. We recommend skid-blocking glass according to DIN 51130 R13 – BEGA-Patent DE 19629241 for walk-over public areas. Luminaires denoted by **R** after the article number are supplied with this glass. Light distribution is more broad spread when this type of glass is used.

Location luminaires · white safety glass

	Lamp	Lumen	T	A	B	C
8742	1 TC-S 11 W	900	40°	180x 360	170x 340	120
8743	1 TC-L 24 W	1800	45°	180x 460	170x 440	120
8744	1 TC-L 55 W	4800	50°	180x 675	170x 655	120
8830	2 TC-L 36 W	5800	55°	180x 1000	170x 980	120
8602	1 T 16 14·24 W	1750	45°	115x 635	107x 625	125
8603	1 T 16 28·54 W	4450	50°	115x 1235	107x 1225	125
8604	1 T 16 35·80 W	6150	55°	115x 1535	107x 1525	125

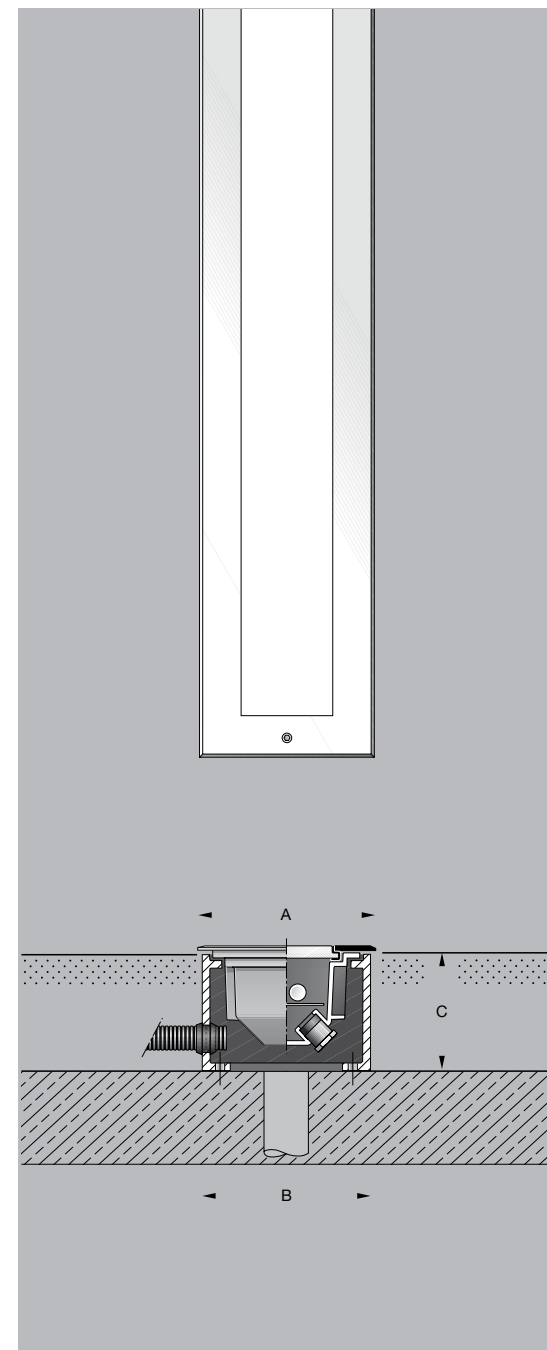
Symmetrical floodlights · clear safety glass

	Lamp	β	Lumen	T	A	B	C
8732	1 TC-S 11 W	80/72°	900	45°	180x 360	170x 340	120
8733	1 TC-L 24 W	80/72°	1800	55°	180x 460	170x 440	120
8734	1 TC-L 55 W	80/72°	4800	60°	180x 675	170x 655	120
8831	2 TC-L 36 W	80/72°	5800	65°	180x 1000	170x 980	120
8626	1 T 16 14·24 W	55/75°	1750	45°	115x 635	107x 625	125
8628	1 T 16 28·54 W	55/77°	4450	50°	115x 1235	107x 1225	125
8629	1 T 16 35·80 W	55/79°	6150	55°	115x 1535	107x 1525	125

Asymmetrical floodlights · clear safety glass

	Lamp	β	Lumen	T	A	B	C
8832	1 TC-S 11 W	63/100°	900	45°	180x 360	170x 340	120
8833	1 TC-L 24 W	63/100°	1800	55°	180x 460	170x 440	120
8834	1 TC-L 55 W	63/100°	4800	60°	180x 675	170x 655	120
8835	2 TC-L 36 W	63/100°	5800	65°	180x 1000	170x 980	120
8642	1 T 16 14·24 W	65/80°	1750	45°	115x 635	107x 625	125
8643	1 T 16 28·54 W	62/80°	4450	50°	115x 1235	107x 1225	125
8644	1 T 16 35·80 W	61/74°	6150	55°	115x 1535	107x 1525	125

β = half beam angle



Drive-over in-ground luminaires for additive RGB colour mix

Installation depth **125 mm**
Pressure load **5000 kg**
Protection class **IP 67**

RGB floodlights with asymmetrical light distribution for installation in compacted surfaces, both indoors and outdoors. Luminaires for additive colour mix are operated with coloured fluorescent lamps T 16. Lamps of the same length but with two different light outputs can be used.

We supply two control systems to mix and control the coloured light:

- coloured light control 243 – for freely programmable sequence
- coloured light control 244 – with fixed sequence

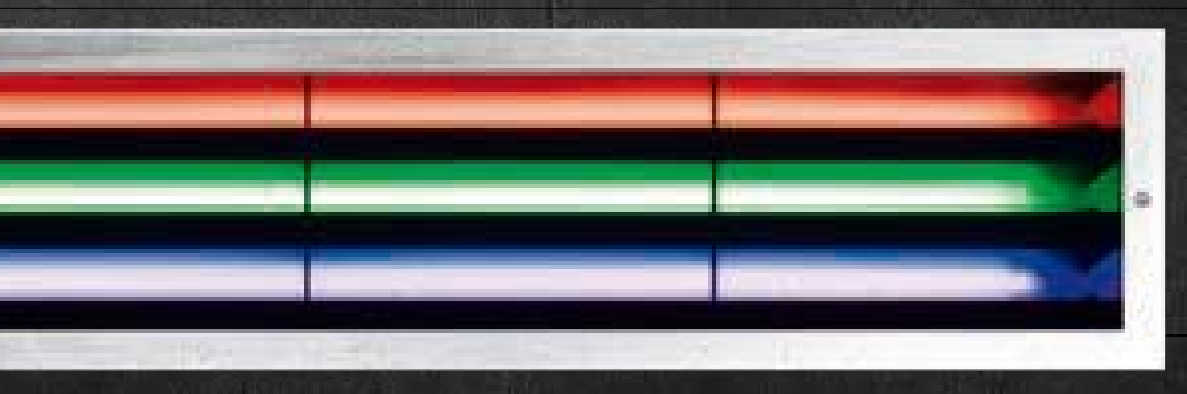
Vehicles with pneumatic tyres can drive over these luminaires.

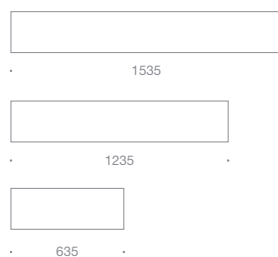
The luminaires must not be used for traffic lanes where they are subject to horizontal pressure from vehicles braking, accelerating and changing direction.

The luminaires are mounted in an installation housing on a foundation which is designed to bear the pressure load. The foundation including drainage must be provided by the customer before installation.

Please note: The operating temperatures (T) in the centre of the glass surface are given in the table (measured according to EN 60598 at an ambient temperature of 15 °C).

All the exact temperatures and important technical data are given in the instructions for use for these luminaires.





In-ground luminaires for additive RGB colour mix
with DALI electronic ballasts
for coloured fluorescent lamps T 16

Protection class IP 67

Stainless steel frame

Aluminium luminaire housing and installation housing

Safety glass · Reflector of pure anodized aluminium

1.5 m connecting cable H07RN8-F 3G 1.5[□] · with water stopper

1.5 m control cable H07RN8-F 6x 1.0[□] · with water stopper

2.4 m protective tube for underground cable up to connecting sleeve

A separate coloured light control is required to mix the colours of these luminaires. Technical data, page 515.

We supply the following accessories for these luminaires

- clip-on polycarbonate filter to increase the colour saturation.

The article number includes 3 filters (red, green and blue).

When coloured filters are used, the luminaires may only be operated at the lower lamp power. Coloured filters must be ordered separately.

Please note: When the glass of the luminaires is wet, there may be a danger of skidding. We recommend skid-blocking glass according to DIN 51130 R 13 – BEGA-Patent DE 19629241 for walk-over public areas. Luminaires denoted by R after the article number are supplied with this glass. Light distribution is more broad spread when this type of glass is used.

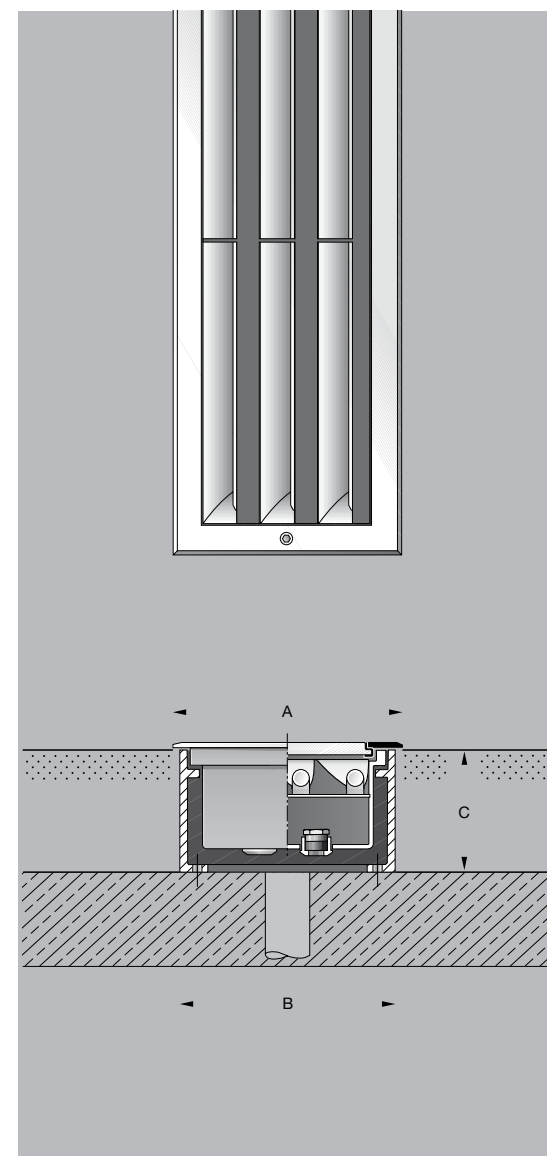
Asymmetrical RGB floodlights

	Lamp		T	A	B	C	
8693	3 T 16	14 · 24 W	50°	235 x 635	227 x 625	125	194
8694	3 T 16	28 · 54 W	60°	235 x 1235	227 x 1225	125	195
8695	3 T 16	35 · 80 W	70°	235 x 1535	227 x 1525	125	196

Coloured light controls

243 for freely programmable sequence

244 with fixed sequence



Drive-over in-ground luminaires to illuminate ground surfaces

Installation depth **95 · 130 mm**
Pressure load **1000 kg**
Protection class **IP 67**

In-ground luminaires to illuminate ground surfaces, both indoors and outdoors. They are equipped with one, two or four light sectors to meet different lighting situations. Before installing the luminaires, a foundation must be supplied by the customer which is designed to bear the pressure loads.

Vehicles with pneumatic tyres can drive over these luminaires.

The luminaires must not be used for traffic lanes where they are subject to horizontal pressure from vehicles braking, accelerating and changing direction.

All technical data are given in the instructions for use for these luminaires. The LED luminaires can also be supplied on request in the light colours green, blue, yellow and red.

Luminaires for this type of illumination but with greater dimensions are given on page 328.



In-ground luminaires with LEDs or
for low voltage tungsten halogen lamps

Protection class IP 67 · Safety class I ⊕

8778 · 8774 · 8787 · 8789 Safety class III ⚡

Cast stainless steel and stainless steel housing

Luminaire cover made of die cast aluminium

Optical lens made of silica glass BEGA Patent DE 101 39 002

Reflector of pure anodized aluminium

Light output from one, two or four sectors

1 cable gland for connecting cable Ø9-13 mm

2.5[□] connecting terminal

8671 · 8673 · 8674 · 8675 Colour temperature 5500 K

Colour graphite grey



1 Light sector 60°

	Lamp	Lumen		A	B	C	D
8671	1 LED 5 W	50	w/pow. suppl. unit	Ø 120	90 [□]	95	30
8778	1 QT 9-ax 20 W	320	w/o transformer	Ø 120	90 [□]	110	30
8779	1 QT 9-ax 20 W	320	with transformer	Ø 120	90 [□]	130	30



1 Light sector 180°

	Lamp	Lumen		A	B	C	D
8673	1 LED 5 W	50	w/pow. suppl. unit	Ø 120	90 [□]	95	30
8774	1 QT 9-ax 20 W	320	w/o transformer	Ø 120	90 [□]	110	30
8780	1 QT 9-ax 20 W	320	with transformer	Ø 120	90 [□]	130	30



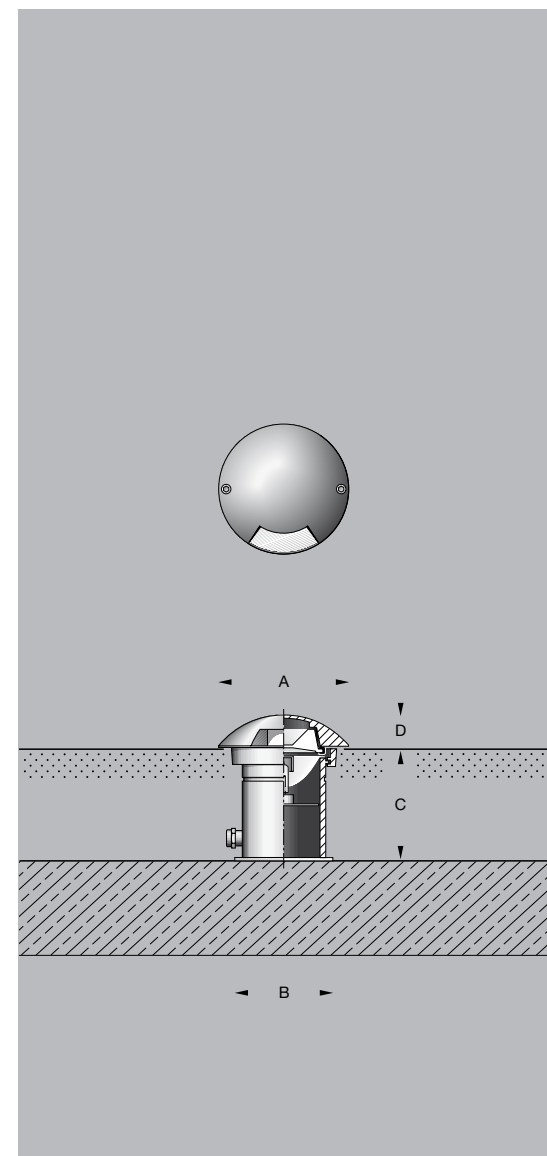
2 Light sectors 60° each

	Lamp	Lumen		A	B	C	D
8674	1 LED 5 W	50	w/pow. suppl. unit	Ø 120	90 [□]	95	30
8787	1 QT 9-ax 20 W	320	w/o transformer	Ø 120	90 [□]	110	30
8788	1 QT 9-ax 20 W	320	with transformer	Ø 120	90 [□]	130	30



4 Light sectors 60° each

	Lamp	Lumen		A	B	C	D
8675	1 LED 5 W	50	w/pow. suppl. unit	Ø 120	90 [□]	95	30
8789	1 QT 9-ax 20 W	320	w/o transformer	Ø 120	90 [□]	110	30
8790	1 QT 9-ax 20 W	320	with transformer	Ø 120	90 [□]	130	30



Drive-over in-ground luminaires to illuminate ground surfaces

Installation depth **175 · 185 mm**
Pressure load **4000 kg**
Protection class **IP 67**



In-ground luminaires to illuminate ground surfaces, both indoors and outdoors.

They are equipped with one, two or four light sectors or unshielded to meet different lighting situations.

These luminaires are characterized by their capacity to withstand high pressure loads of 4000 kg. Their sturdy construction makes them suitable for areas where a high level of robustness is required.

The luminaires are mounted in an installation housing made of high-strength die cast aluminium on a foundation which is designed to bear the pressure load. The foundation including drainage must be provided by the customer before installation.

Vehicles with pneumatic tyres can drive over these luminaires.

The luminaires must not be used for traffic lanes where they are subject to horizontal pressure from vehicles braking, accelerating and changing direction.

All technical data are given in the instructions for use for these luminaires.

LED luminaires are also available on request in the light colours green, blue, yellow and red.

Luminaires for this type of illumination but with smaller dimensions are given on page 326.



In-ground luminaires with LEDs or
for low voltage tungsten halogen lamps, discharge lamps, signal lamps
and fluorescent lamps

Protection class IP 67

High-strength die cast aluminium and stainless steel

Optical lens made of silica glass

8782 · 8783 White crystal glass with optical texture

Light output from one, two or four sectors or unshielded with guard

8800 · 8801 · 8802 · 8804 Colour temperature 5500K

1.5 m connecting cable H07RN8-F 3G 1.5² · with water stopper

1.2 m protective tube for underground cable up to connecting sleeve

Colour graphite grey



1 Light sector 60°

	Lamp	Lumen			A	B	C	D
8800	3 LED	3 W	75	w/p. suppl. unit	Ø220	255	175	55
8852	1 QT 12-ax	50 W	910	with transf.	Ø220	255	175	55
8853	1 HIT-TC-CE	35 W	3400		Ø220	255	175	55



1 Light sector 180°

	Lamp	Lumen			A	B	C	D
8801	3 LED	3 W	75	w/p. suppl. unit	Ø220	255	175	55
8854	1 QT 12-ax	50 W	910	with transf.	Ø220	255	175	55
8856	1 HIT-TC-CE	35 W	3400		Ø220	255	175	55



2 Light sectors 60° each

	Lamp	Lumen			A	B	C	D
8802	6 LED	6 W	150	w/p. suppl. unit	Ø220	255	175	55
8857	1 QT 12-ax	50 W	910	with transf.	Ø220	255	175	55
8858	1 HIT-TC-CE	35 W	3400		Ø220	255	175	55



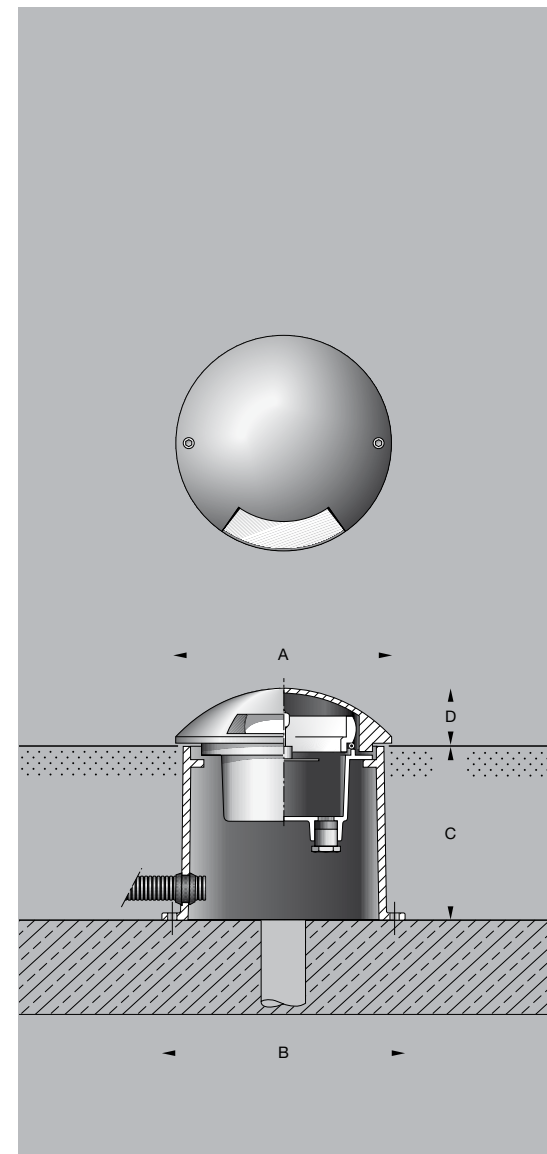
4 Light sectors 60° each

	Lamp	Lumen			A	B	C	D
8804	6 LED	6 W	150	w/p. suppl. unit	Ø220	255	175	55
8859	1 QT 12-ax	50 W	910	with transf.	Ø220	255	175	55
8860	1 HIT-TC-CE	35 W	3400		Ø220	255	175	55



Unshielded with guard

	Lamp	Lumen			A	B	C	D
8782	1 Signal lamp	40 W	230		Ø220	255	185	60
8783	1 TC-D	13 W	900		Ø220	255	185	60





Drive-over in-ground luminaires for the illumination of façades

Installation depth **120 · 160 mm**
Pressure load **4000 kg**
Protection class **IP 67**

The construction of these in-ground floodlights allows complete illumination of a façade as far as the lower edge of the frieze.

BEGA Patent DE 199 18 872. The lower limitation of light distribution is straight without creating the usual »light cone«.

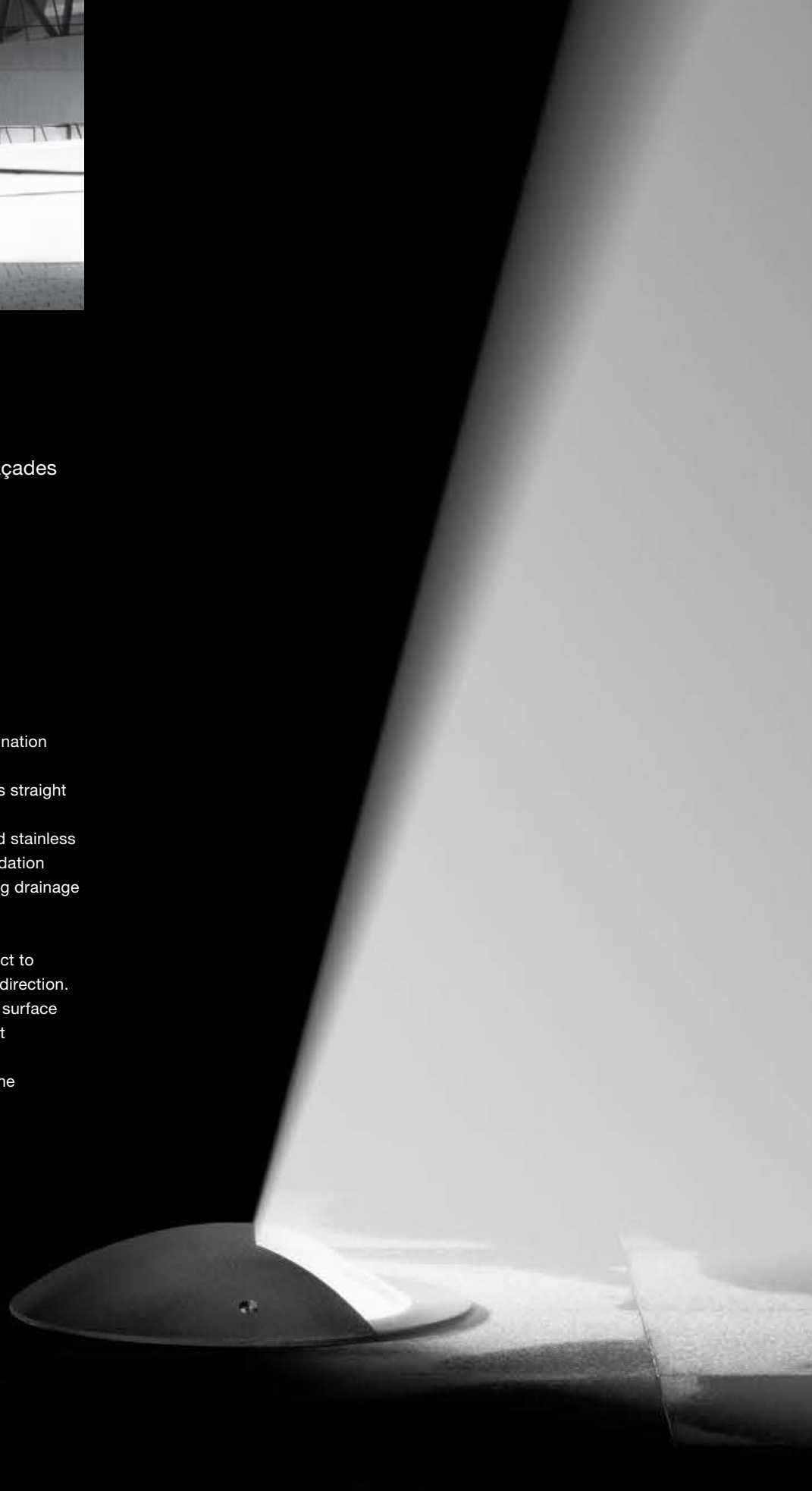
All material components in this series are made of die cast bronze and stainless steel. The luminaires are mounted in an installation housing on a foundation which is designed to bear the pressure loads. The foundation including drainage must be provided by the customer before installation.

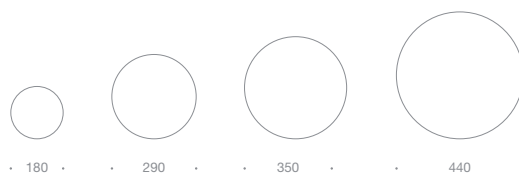
Vehicles with pneumatic tyres can drive over these luminaires.

The luminaires must not be used for traffic lanes where they are subject to horizontal pressure from vehicles braking, accelerating and changing direction.

Please note: The operating temperatures (T) in the centre of the glass surface are given in the table (measured according to EN 60598 at an ambient temperature of 15 °C).

All the exact temperatures and important technical data are given in the instructions for use for these luminaires.





In-ground floodlights for
 low voltage tungsten halogen lamps and discharge lamps
 Protection class IP 67
 Light opening 90°
 Die cast bronze cover
 Stainless steel housing · Safety glass
 Reflector of pure anodized aluminium
 1.5 m connecting cable H07RN8-F 3G 1.5[□] · with water stopper
 1.2 m protective tube for underground cable up to connecting sleeve
 We supply a shield for these luminaires to reduce the light opening
 from 90° to either 30° or 60°.
 Shields are accessories and must be ordered separately.

Square cover

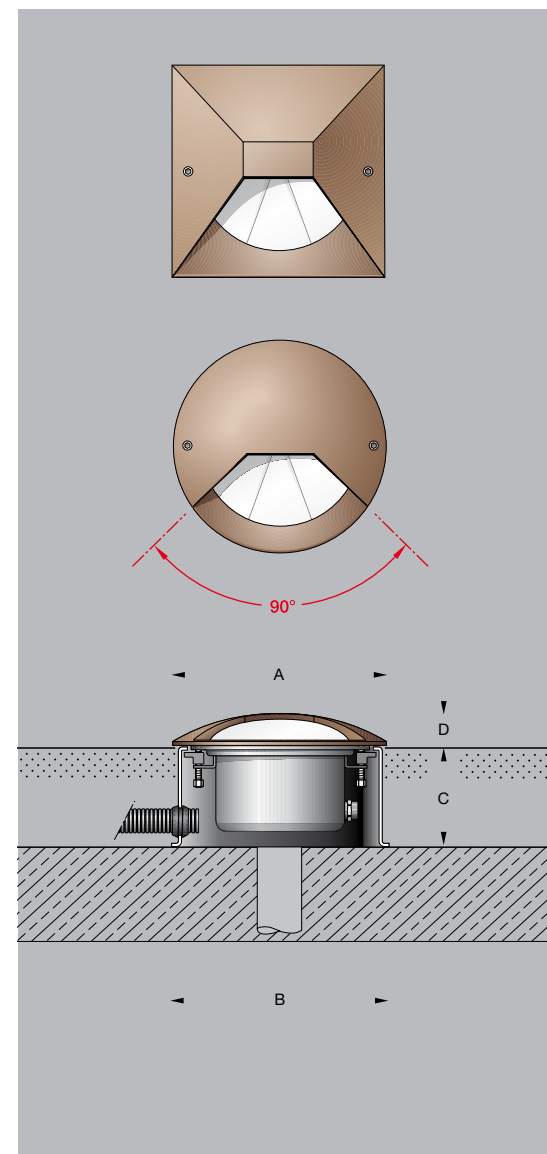
	Lamp	Lumen	T	A	B	C	D	
8612	1 QT 12-ax 35 W	600	80°	180 [□]	∅180	120	40	676
8614	1 HIT-TC-CE 35 W	3400	80°	290 [□]	∅295	120	50	677
8615	1 HI/HST-DE 70 W	6900	90°	350 [□]	∅355	160	65	678

Round cover

	Lamp	Lumen	T	A	B	C	D	
8702	1 QT 12-ax 35 W	600	80°	∅180	∅180	120	40	676
8718	1 HIT-TC-CE 35 W	3400	80°	∅290	∅295	120	50	677
8719	1 HI/HST-DE 70 W	6900	90°	∅350	∅355	160	65	678
8720	1 HI/HST-DE 150 W	15000	125°	∅440	∅440	160	70	679

The following table is a planning aid. The type of luminaire and its arrangement are derived from the size of the illuminated object and the required illuminance.

Planning aid	A	H	B	E	E _{min}	
8612	QT 12-ax 35 W	0.6 m	2.4 m	1.8 m	57 lx	4.8 lx
8702		0.8 m	3.2 m	2.4 m	32 lx	2.7 lx
		1.0 m	4.0 m	3.0 m	21 lx	1.7 lx
8614	HIT-TC-CE 35 W	1.0 m	4.0 m	3.0 m	96 lx	9.8 lx
8718		1.5 m	6.0 m	4.5 m	43 lx	4.4 lx
		2.0 m	8.0 m	6.0 m	24 lx	2.5 lx
8615	HI/HST-DE 70 W	1.5 m	6.0 m	4.5 m	81 lx	8.7 lx
8719		2.0 m	8.0 m	6.0 m	46 lx	5.2 lx
		3.0 m	12.0 m	9.0 m	20 lx	2.4 lx
8720	HI/HST-DE 150 W	3.0 m	12.0 m	9.0 m	45 lx	5.4 lx
		4.0 m	16.0 m	12.0 m	25 lx	3.1 lx
		5.0 m	20.0 m	15.0 m	16 lx	1.9 lx



A – distance between luminaires and façade H – height of façade B – distance between luminaires
 E – average illuminance on façade E_{min} – minimum illuminance

On-ground luminaires with **180°** or **360°** light output
with **narrow beam** or **broad spread** light distribution



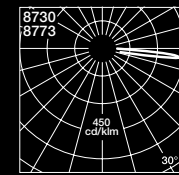
These luminaires provide light from extremely low mounting heights for ground surfaces with either narrow beam or broad spread light distribution.

Luminaires with narrow beam light distribution are particularly suitable for surface illumination of ground surfaces. These luminaires are designed to provide broad spread light distribution for orientation, indication and visual guidance in private and public areas.

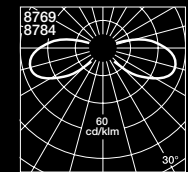
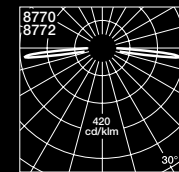
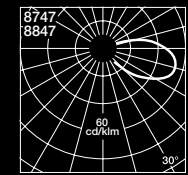
We supply these luminaires in two sizes and with single-sided 180° light output or with rotationally symmetrical 360° light output to meet the different requirements of their installation location.

Dichroic colour effect filters to provide coloured light can be used in luminaires with narrow beam light distribution.

narrow beam light

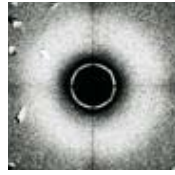


broad spread light





light output 180°



light output 360°

On-ground luminaires with 180° or 360° light output
for tungsten halogen lamps, discharge lamps and fluorescent lamps
with narrow beam or broad spread light distribution

Protection class IP 67

Die cast aluminium, aluminium and stainless steel · Cylindrical lens made of crystal glass
2 cable glands for connecting cable Ø9-15 mm · 3x4[□] connecting terminals

8747 · 8847 · 8769 · 8784 with electronic ballast

BEGA on-ground luminaires are bolted with a mounting plate to a foundation supplied by the customer or to an anchorage unit made of galvanized steel.

The BEGA mounting system allows the luminaire to be adjusted during installation.

Anchorage units are accessories and must be ordered separately.

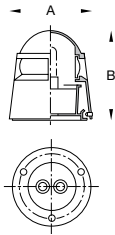
Technical data of anchorage units, page 506.

We supply dichroic colour effect filters for the luminaires with narrow beam light to provide green or blue light. Colour effect filters are accessories and must be ordered separately.

Colour graphite or silver

graphite – article number

silver – article number + **A**



On-ground luminaires · 180° light output

	Lamp	Lumen			A	B	Anch. unit		
8730	1 QT 18	75 W	1100	narrow beam	170	190	895	269	270
8773	1 HIT-CE	35 W	3400	narrow beam	230	230	896	269	270
8747	1 TC-TEL	13 W	850	broad spread	170	190	895		
8847	1 TC-TEL	26 W	1750	broad spread	230	230	896		



On-ground luminaires · 360° light output

	Lamp	Lumen			A	B	Anch. unit		
8770	1 QT 18	75 W	1100	narrow beam	170	190	895	269	270
8772	1 HIT-CE	35 W	3400	narrow beam	230	230	896	269	270
8769	1 TC-TEL	13 W	850	broad spread	170	190	895		
8784	1 TC-TEL	26 W	1750	broad spread	230	230	896		



 colour effect filters



Shielded bollards with rotationally symmetrical 360° light distribution

Shielded bollards with rotationally symmetrical light output.

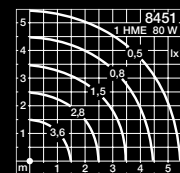
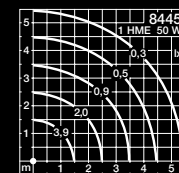
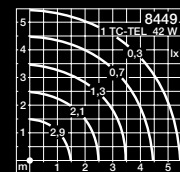
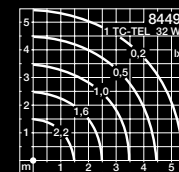
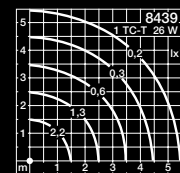
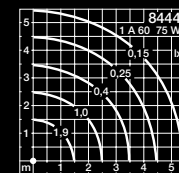
We supply these luminaires in two sizes to meet the different dimensions of their installation location. Depending on the type, the luminaires can be operated with incandescent lamps, fluorescent lamps or with discharge lamps.

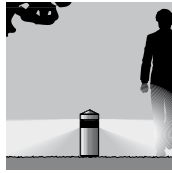
The luminaires for fluorescent lamps TC-TEL are equipped with electronic ballasts.

26 · 32 · 42W lamps can be used in these luminaires.

Crystal glass with light-diffusing texture distributes the light from the lamp onto the illuminated surface. These luminaires are exceptionally robust and designed for public and private areas.

They are ideal to provide discreet additional lighting at a high level of illumination or high-contrast lighting at a low level of illumination.





Shielded bollards with rotationally symmetrical 360° light distribution
for incandescent lamps, fluorescent lamps and discharge lamps

Protection class IP 65

Die cast aluminium, aluminium and stainless steel

Crystal glass with optical texture

2 cable entries for connecting cable $\varnothing 8-17$ mm · 5 x 4[□] connecting terminals
The earth cable is introduced directly into the luminaire housing.

8449 with electronic ballast

BEGA bollards are bolted to a foundation supplied by the customer or
to an anchorage unit of galvanized steel.

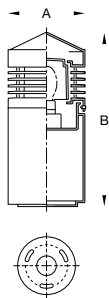
Anchorage units are accessories and must be ordered separately.

Technical data of anchorage units, page 506.

Colour graphite or silver

graphite – article number

silver – article number + **A**



Incandescent lamps		Lumen		A	B	Anch. unit
8444	1 A 60	75 W	935	220	560	895
Fluorescent lamps						
8439	1 TC-T	26 W	1800	220	560	895
8449	1 TC-TEL	42 W	3200	300	670	896
Discharge lamps						
8445	1 HME	50 W	2000	220	560	895
8451	1 HME	80 W	4000	300	670	896



Bollards of diverse mounting heights with opposite light sectors of 180° and 5°

Unshielded bollards with two opposite light sectors of 180° and 5°.

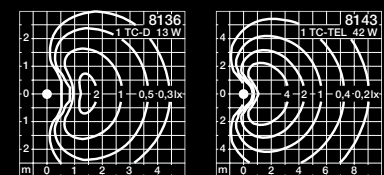
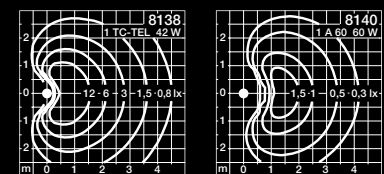
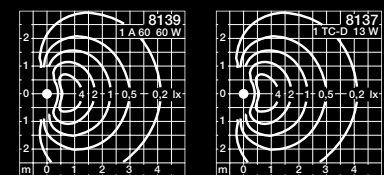
We supply these luminaires in two sizes and different heights to meet the diverse dimensions of their installation location.

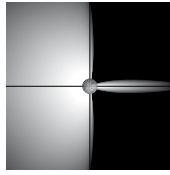
Depending on the type, the luminaires can be operated with incandescent lamps or fluorescent lamps. The luminaires for fluorescent lamps TC-TEL are equipped with electronic ballasts.

26 · 32 · 42W lamps can be used in these luminaires.

They provide location and direction illumination for gardens and parks, pathways and flights of steps.

For luminaires with the same design features but with rotationally symmetrical 360° light output, see page 338.





Light output 180°/5°

Bollards of diverse mounting heights
with **double-sided** light output 180°/5°
for incandescent lamps and fluorescent lamps

Protection class IP 65

Die cast aluminium, aluminium and stainless steel · Three-ply opal glass

Connection box with 3 x 4□ connecting terminals

8143 Door and connection box 632

8138 · 8143 with electronic ballast

BEGA bollards are bolted with a mounting plate to a foundation supplied
by the customer or to an anchorage unit made of galvanized steel.

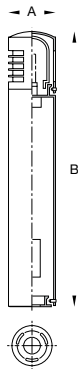
Anchorage units are accessories and must be ordered separately.

Technical data of anchorage units and connection boxes, pages 506 - 507

Colour graphite or white

graphite – article number

white – article number + **W**

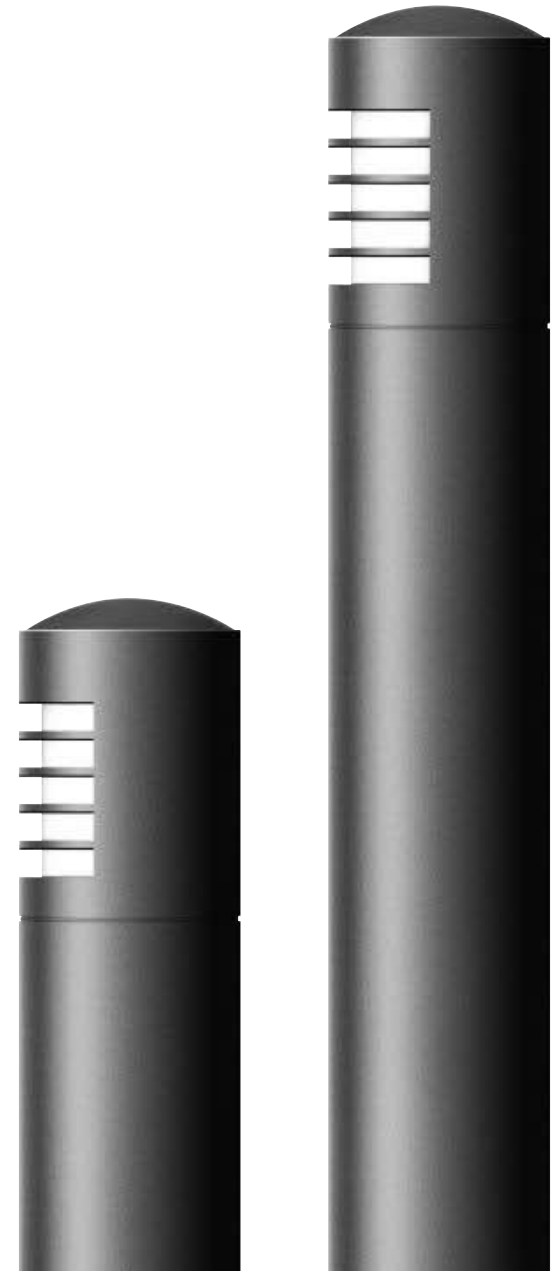


Bollards · Height 550 · 650 mm

	Lamp		Lumen	A	B	Anch. unit
8139	1 A 60	60 W	710	140	550	894
8137	1 TC-D	13 W	900	140	550	894
8138	1 TC-TEL	42 W	3200	190	650	895

Bollards · Height 1000 · 1200 mm

	Lamp		Lumen	A	B	Anch. unit
8140	1 A 60	60 W	710	140	1000	895
8136	1 TC-D	13 W	900	140	1000	895
8143	1 TC-TEL	42 W	3200	190	1200	896



Bollards of diverse mounting heights
with 360° rotationally symmetrical light output

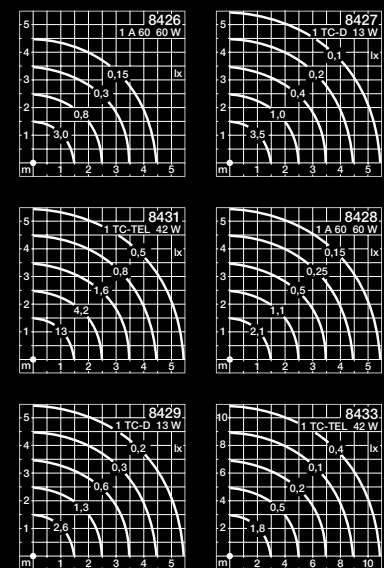
Unshielded bollards with 360° rotationally symmetrical light output.

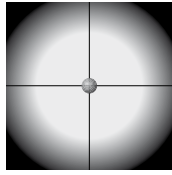
We supply these luminaires in two sizes and different heights to meet the diverse dimensions of their installation location.

Depending on the type, the luminaires can be operated with incandescent lamps or fluorescent lamps. The luminaires for fluorescent lamps TC-TEL are equipped with electronic ballasts. 26 · 32 · 42 W lamps can be used in these luminaires.

They are designed to provide location and indication lighting for gardens, parks, pathways and steps.

Luminaires with the same design features but with 180° single-sided light output are given on page 336.





Light output 360°

Bollards of diverse mounting heights
with 360° **all-side** light output
for incandescent lamps and fluorescent lamps

Protection class IP 65

Die cast aluminium, aluminium and stainless steel · Three-ply opal glass

Connection box with 3 x 4□ connecting terminals

8433 Door and connection box 632

8431 · 8433 with electronic ballast

BEGA bollards are bolted with a mounting plate to a foundation supplied
by the customer or to an anchorage unit made of galvanized steel.

Anchorage units are accessories and must be ordered separately.

Technical data of anchorage units and connection boxes, pages 506 - 507

Colour graphite or white

graphite – article number

white – article number + **W**



Bollards · Height 550 · 650 mm

	Lamp	Lumen		A	B	Anch. unit
8426	1 A 60	60 W	710	140	550	894
8427	1 TC-D	13 W	900	140	550	894
8431	1 TC-TEL	42 W	3200	190	650	895

Bollards · Height 1000 · 1200 mm

	Lamp	Lumen		A	B	Anch. unit
8428	1 A 60	60 W	710	140	1000	895
8429	1 TC-D	13 W	900	140	1000	895
8433	1 TC-TEL	42 W	3200	190	1200	896



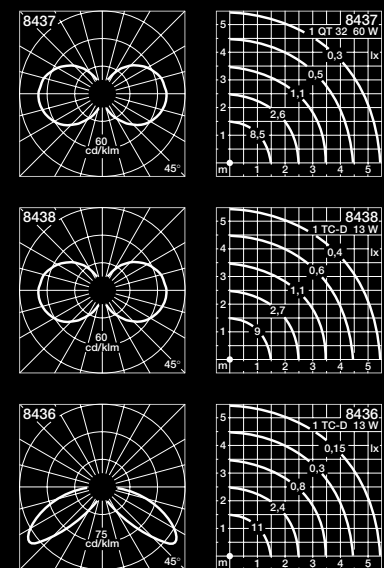
Unshielded or shielded bollards

Unshielded or shielded bollards with rotationally symmetrical light output.

Depending on the type, the luminaires can be operated with tungsten halogen lamps or with fluorescent lamps.

These luminaires are supplied with three-ply opal glass to provide unshielded, uniform wide beam light or with crystal glass and louvred reflectors to provide shielded, directed light.

They are designed to illuminate pathways, parks and driveways.





unshielded

shielded

Bollards **unshielded** or **shielded**
for tungsten halogen lamps and fluorescent lamps

Protection class IP 54

Die cast aluminium, aluminium and stainless steel

Three-ply opal glass or crystal glass with inside louvred reflector

Connection box with 3 x 4[□] connecting terminals

BEGA bollards are bolted with a mounting plate to a foundation supplied by the customer or to an anchorage unit made of galvanized steel.

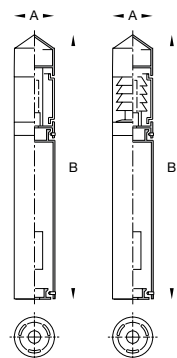
Anchorage units are accessories and must be ordered separately.

Technical data of anchorage units and connection boxes, pages 506 - 507

Colour graphite or silver

graphite – article number

silver – article number + **A**



Bollards · unshielded

	Lamp	Lumen	A	B	Anch. unit
8437	1 QT 32 60 W	790	140	1000	895
8438	1 TC-D 13 W	900	140	1000	895

Bollards · shielded

	Lamp	Lumen	A	B	Anch. unit
8436	1 TC-D 13 W	900	140	1000	895

Bollards with concentrated light output

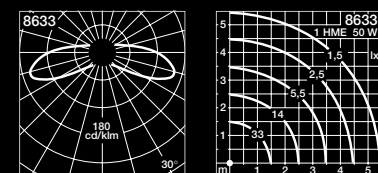
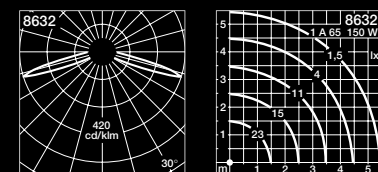
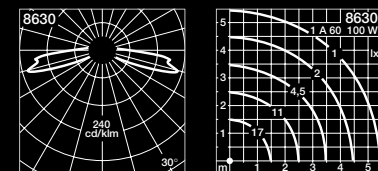
Bollards with concentrated, rotationally symmetrical light output.

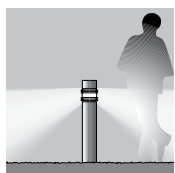
These luminaires are available in two sizes to meet the diverse dimensions of their installation location. Depending on the type, they can be operated with incandescent lamps or with discharge lamps.

The fitted cylindrical lens made of crystal glass concentrates the light horizontally. The luminaires are designed to illuminate paths, flower-beds and terraces.



Wall luminaires
Page 186





Bollards with concentrated light output
for incandescent lamps and discharge lamps

Protection class IP 55

Die cast aluminium, aluminium and stainless steel
Cylindrical lens made of crystal glass

8630 Connection box with 3 x 4² connecting terminals

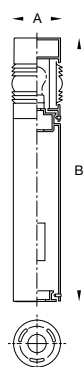
8632 · 8633 Connection box 632

BEGA bollards are bolted with a mounting plate to a foundation supplied
by the customer or to an anchorage unit made of galvanized steel.

Anchorage units are accessories and must be ordered separately.

Technical data of anchorage units and connection boxes, pages 506 - 507

Colour graphite



Incandescent lamps		Lumen	A	B	Anch. unit
8630	1 A 60 100 W	1340	140	800	894
8632	1 A 65 150 W	2160	165	1000	895
Discharge lamps					
8633	1 HME 50 W	2000	165	1000	895

Unshielded or shielded bollards

Unshielded or shielded bollards with rotationally symmetrical light output.

Depending on the type, the luminaires can be operated with discharge lamps or with fluorescent lamps.

The luminaires for fluorescent lamps TC-TEL are equipped with electronic ballasts. 26 · 32 · 42 W lamps can be used in these luminaires.

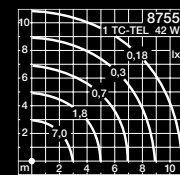
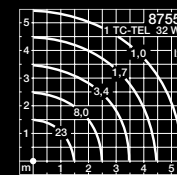
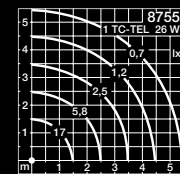
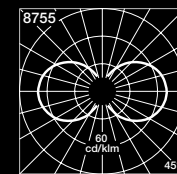
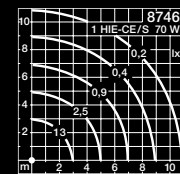
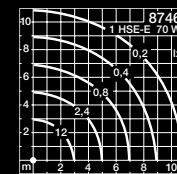
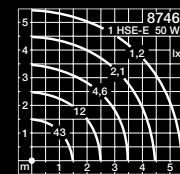
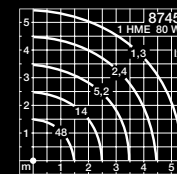
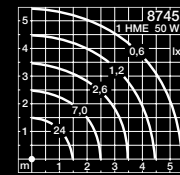
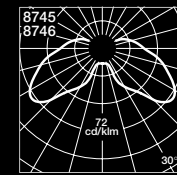
These luminaires are equipped with clear or white impact-resistant plastic diffusers. The white plastic diffuser produces unshielded, uniform wide beam light.

The clear plastic diffuser with inside reflectors produces shielded, directed light.

These luminaires are designed to illuminate pathways, parks and driveways.

Luminaire 8746 is equipped with a switchable ballast.

HSE-E 50 W, HSE-E 70 W or HIE-CE/S 70 W lamps can be fitted.





unshielded

shielded

Bollards **unshielded** or **shielded**
for fluorescent lamps and discharge lamps

Protection class IP 55

Die cast aluminium, aluminium and stainless steel
White, impact-resistant plastic diffuser or
clear, impact-resistant plastic diffuser with inside louvred
reflector made of pure anodized aluminium

Door and connection box 632

8755 with electronic ballast

BEGA bollards are bolted with a mounting plate to a foundation supplied
by the customer or to an anchorage unit made of galvanized steel.

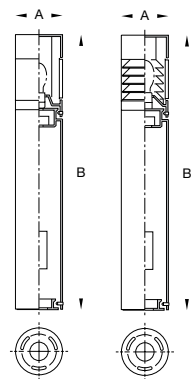
Anchorage units are accessories and must be ordered separately.

Technical data of anchorage units and connection boxes, pages 506 - 507

Colour graphite or silver

graphite – article number

silver – article number + **A**



Bollards · unshielded

	Lamp	Lumen	A	B	Anch. unit
8755	1 TC-TEL 42 W	3200	190	1200	896

Bollards · shielded

	Lamp	Lumen	A	B	Anch. unit
8745	1 HME 50-80 W	4000	190	1200	896
8746	1 HSE-E 50-70 W	5600	190	1200	896
8746	1 HIE-CE/S 70 W	5900	190	1200	896



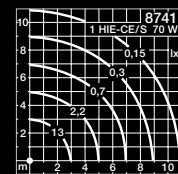
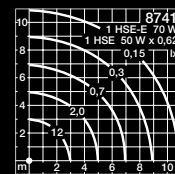
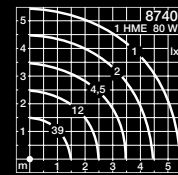
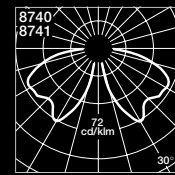
Bollards with rotationally symmetrical light output

Bollards with rotationally symmetrical light output.

A reflector unit suppresses the glare from the discharge lamp and directs the broad spread light onto the illuminated surface.

Luminaire 8741 is equipped with a switchable ballast.

HSE-E 50 W, HSE-E 70 W or HIE-CE/S 70 W lamps can be fitted.



Bollards with rotationally symmetrical light output
for discharge lamps

Protection class IP 55

Die cast aluminium, aluminium and stainless steel

Clear, impact-resistant plastic diffuser

Reflector of pure anodized aluminium

Door and connection box 632

BEGA bollards are bolted with a mounting plate to a foundation
supplied by the customer or to an anchorage unit made of
galvanized steel.

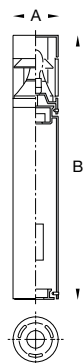
Anchorage units are accessories and must be ordered separately.

Technical data of anchorage units and connection boxes,
pages 506 - 507

Colour graphite or silver

graphite – article number

silver – article number + **A**



	Lamp		Lumen	A	B	Anch. unit
8740	1 HME	50·80 W	4000	190	1200	896
8741	1 HSE-E	50·70 W	5600	190	1200	896
8741	1 HIE-CE/S	70 W	5900	190	1200	896



Shielded bollards with rotationally symmetrical light output

Shielded bollards in three sizes with rotationally symmetrical light output.

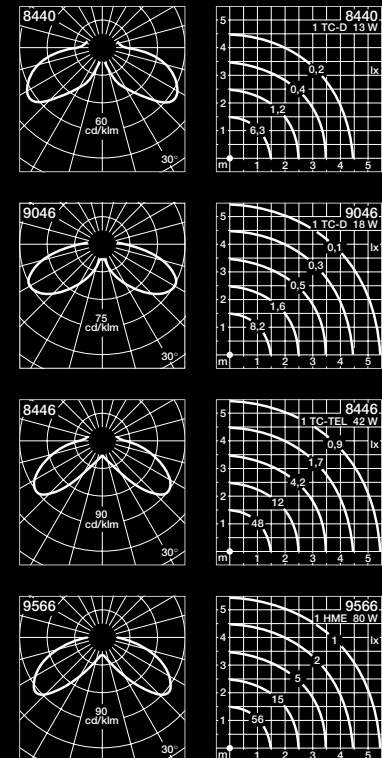
Depending on the type, the luminaires can be operated with fluorescent lamps or with discharge lamps.

The luminaires for fluorescent lamps TC-TEL are equipped with electronic ballasts.

26 · 32 · 42 W lamps can be used in these luminaires.

Crystal glass with light-diffusing texture distributes the light from the lamp onto the light openings. The glass is not visible and therefore protected from wilful destruction.

The sturdy construction of the luminaires makes them particularly suitable for areas where a high level of robustness is required. Glarefree light for gardens, residential areas, cycle paths and pathways. Luminaire 8440 is designed for private areas.



Bollards with rotationally symmetrical light output
for fluorescent lamps and discharge lamps

Protection class IP 55

Die cast aluminium, aluminium and stainless steel

Crystal glass with optical texture

8440 · 9046 Connection box with 3 x 4□ connecting terminals

8446 · 9566 Door and connection box 632

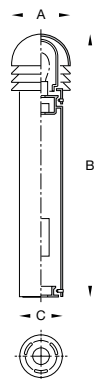
8446 with electronic ballast

BEGA bollards are bolted with a mounting plate to a foundation supplied
by the customer or to an anchorage unit made of galvanized steel.

Anchorage units are accessories and must be ordered separately.

Technical data of anchorage units and connection boxes, pages 506 - 507

Colour graphite

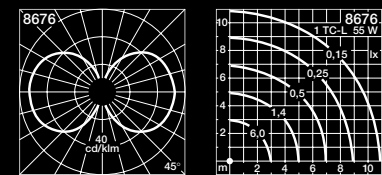
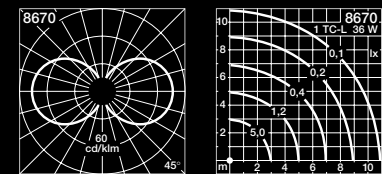


Fluorescent lamps		Lumen		A	B	C	Anch. unit
8440	1 TC-D	13 W	900	155	800	110	894
9046	1 TC-D	18 W	1200	200	1000	140	895
8446	1 TC-TEL	42 W	3200	260	1200	190	896
Discharge lamps							
9566	1 HME	50 · 80 W	4000	260	1200	190	896

Unshielded bollards with rotationally symmetrical light output

Luminaires with rotationally symmetrical light distribution. We supply these luminaires in two sizes to meet the diverse dimensions of their installation location. They are operated with fluorescent lamps. The light from the lamp is distributed uniformly by a white, impact-resistant plastic cylinder.

These robust luminaires can delineate and structure outside areas. Their function is to locate, indicate and demarcate. They are designed to illuminate pathways, squares, parks and driveways.



Bollards for fluorescent lamps

Protection class IP 65

Die cast aluminium, aluminium and stainless steel

White plastic diffuser

8670 Connection box with 3 x 4² connecting terminals

8676 Connection box 632

8676 with electronic ballast

BEGA bollards are bolted with a mounting plate to a foundation supplied by the customer or to an anchorage unit made of galvanized steel.

The BEGA mounting system allows the luminaire to be adjusted during installation.

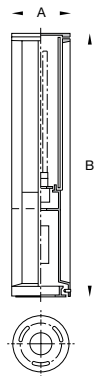
Anchorage units are accessories and must be ordered separately.

Technical data of anchorage units and connection boxes, pages 506 - 507

Colour graphite or silver

graphite – article number

silver – article number + **A**



	Lamp	Lumen	A	B	Anch. unit
8670	1 TC-L 36 W	2900	160	850	895
8676	1 TC-L 55 W	4800	230	1100	896



Bollards with rotationally symmetrical light output

Unshielded bollards with rotationally symmetrical light output.

We supply these luminaires in three sizes to meet the diverse dimensions of their installation location.

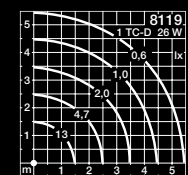
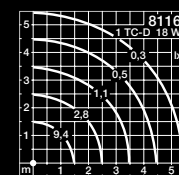
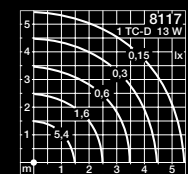
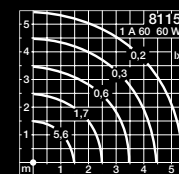
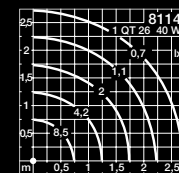
Depending on the type, the luminaires can be operated with tungsten halogen lamps, incandescent lamps or with fluorescent lamps.

Robust luminaires with frosted crystal glass and safety guard made of die cast aluminium.

They are designed to provide location and indication lighting for gardens and parks, pathways and steps.



Wall luminaires
page 154



Bollards with rotationally symmetrical light output
for tungsten halogen lamps, incandescent lamps and fluorescent lamps

Protection class IP 65

8114 · 8117 Protection class IP 55

Die cast aluminium, aluminium and stainless steel

Crystal glass with optical texture

Connection box with 3 x 4[□] connecting terminals

8119 Door and connection box 632

BEGA bollards are bolted with a mounting plate to a foundation supplied
by the customer or to an anchorage unit made of galvanized steel.

Anchorage units are accessories and must be ordered separately.

Technical data of anchorage units and connection boxes, pages 506 - 507

Colour graphite or silver

graphite – article number

silver – article number + **A**



	Tungsten halogen lamps	Lumen	A	B	Anch. unit
8114	1 QT 26 40 W	460	110	800	894
Incandescent lamps					
8115	1 A 60 60 W	710	140	1000	895
Fluorescent lamps					
8117	1 TC-D 13 W	900	110	800	894
8116	1 TC-D 18 W	1200	140	1000	895
8119	1 TC-D 26 W	1800	190	1300	896



Unshielded bollards with all-side light output

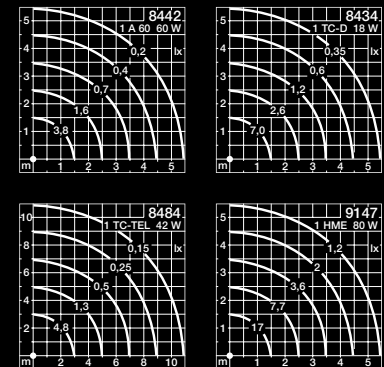
Unshielded luminaires with rotationally symmetrical light distribution.

We supply these luminaires in two sizes to meet the diverse dimensions of installation locations. Depending on the type, they can be operated with incandescent lamps, fluorescent lamps or with discharge lamps.

The luminaires for fluorescent lamps TC-TEL are equipped with electronic ballasts.

26 · 32 · 42 W lamps can be used in these luminaires.

Equipped with hand-blown three-ply opal glass, the luminaires distribute the light softly and uniformly. They are suitable for private and public areas.





8442 · 8434



8484 · 9147

Bollards with safety guard
for incandescent lamps, fluorescent lamps and discharge lamps

Protection class IP 65

8484 · 9147 Protection class IP 55

Die cast aluminium, aluminium and stainless steel · Three-ply opal glass

8442 · 8434 Connection box with 3 x 4[□] connecting terminals

8484 · 9147 Door and connection box 632

8484 with electronic ballast

BEGA bollards are bolted with a mounting plate to a foundation supplied
by the customer or to an anchorage unit made of galvanized steel.

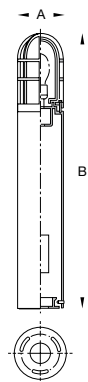
Anchorage units are accessories and must be ordered separately.

Technical data of anchorage units and connection boxes, pages 506 - 507

Colour graphite or white

graphite – article number

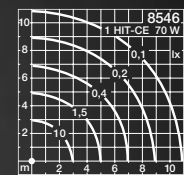
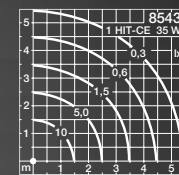
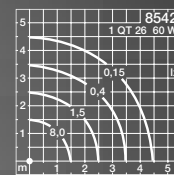
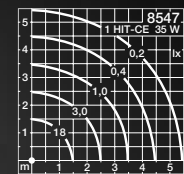
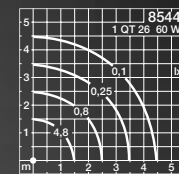
white – article number + **W**



	Lamp		Lumen	A	B	Anch. unit
8442	1 A 60	60 W	710	140	1000	895
8434	1 TC-D	18 W	1200	140	1000	895
8484	1 TC-TEL	42 W	3200	200	1200	896
9147	1 HME	50 · 80 W	4000	200	1200	896

Bollards for indirect light directed downwards from different mounting heights

Luminaires with rotationally symmetrical light distribution. We supply these luminaires in two sizes and different heights to meet the different dimensions of their installation location. Depending on the type, they can be operated with tungsten halogen lamps or with discharge lamps. The light is deflected by the top reflector onto the illuminated surface. These luminaires are ideal where glarefree surface illumination is required for driveways, squares, pathways and entrances.



Bollards for indirect light directed downwards
 from different mounting heights
 for tungsten halogen lamps and discharge lamps

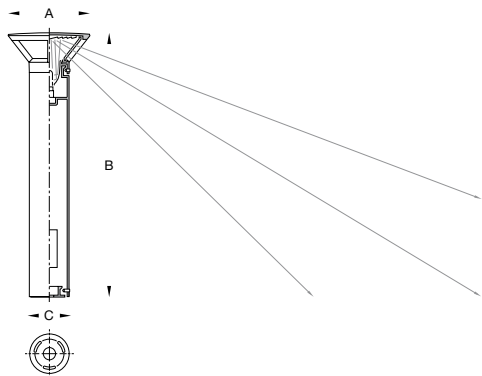
Protection class IP 65

Die cast aluminium, aluminium and stainless steel · Crystal glass
 Reflector of pure anodized aluminium

Connection box with 3 x 4[□] connecting terminals
 8546 Connection box 632

BEGA bollards are bolted with a mounting plate to a foundation supplied
 by the customer or to an anchorage unit made of galvanized steel.
 Anchorage units are accessories and must be ordered separately.
 Technical data of anchorage units and connection boxes, pages 506 - 507

Colour graphite or silver
 graphite – article number
 silver – article number + **A**



Bollards · Height 600 mm

	Lamp	Lumen		A	B	C	Anch. unit
8544	1 QT 26 60 W	790		260	600	140	894
8547	1 HIT-CE 35 W	3400		260	600	140	894

Bollards · Height 800 · 1100 mm

	Lamp	Lumen		A	B	C	Anch. unit
8542	1 QT 26 60 W	790		260	800	140	895
8543	1 HIT-CE 35 W	3400		260	800	140	895
8546	1 HIT-CE 70 W	7000		340	1100	165	895

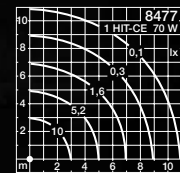
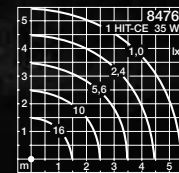


Bollards for indirect light directed downwards

Shielded luminaires in two sizes with rotationally symmetrical light distribution.

The luminaires are operated with discharge lamps which are characterized by their high luminous efficacy and good colour-rendering property. The light is deflected by a reflector onto the illuminated surface.

These luminaires provide glarefree surface illumination for driveways, squares, pathways and entrances.



Bollards for indirect light directed downwards
for discharge lamps

Protection class IP 65

Die cast aluminium, aluminium and stainless steel

Crystal glass

Reflector of pure anodized aluminium

8476 Connection box with 3 x 4[□] connecting terminals

8477 Connection box 632

BEGA bollards are bolted with a mounting plate to a foundation supplied
by the customer or to an anchorage unit made of galvanized steel.

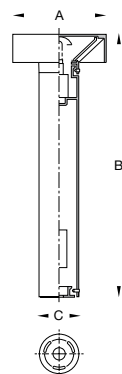
Anchorage units are accessories and must be ordered separately.

Technical data of anchorage units and connection boxes, pages 506 - 507

Colour graphite or silver

graphite – article number

silver – article number + **A**



	Lamp		Lumen	A	B	C	Anch. unit
8476	1 HIT-CE	35 W	3400	260	800	140	895
8477	1 HIT-CE	70 W	7000	400	1100	165	895



Bollards for directed light

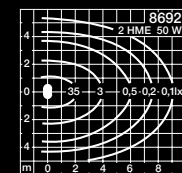
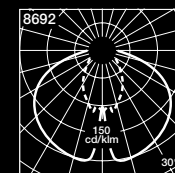
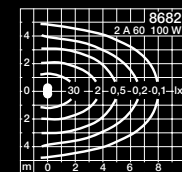
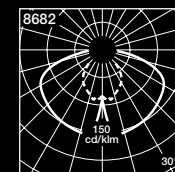
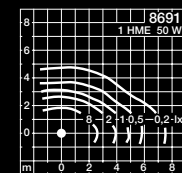
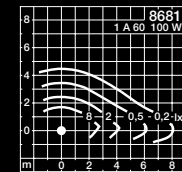
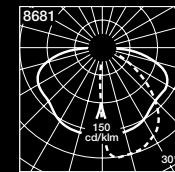


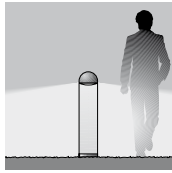
Wall luminaires
page 172

Luminaires for directed light with single-sided or double-sided light output.

Depending on the type, the luminaires can be operated with incandescent lamps or discharge lamps.

Glarefree, flat beam light with a high efficiency. They locate, demarcate and indicate, and are designed to illuminate, pathways, car park boundaries and driveways in both public and private areas.





Single and double bollards

for incandescent lamps and discharge lamps

Protection class IP 55

Die cast aluminium, aluminium and stainless steel

Crystal glass with optical texture

Reflector of pure anodized aluminium

Door and connection box 632

BEGA bollards are bolted with a mounting plate to a foundation supplied by the customer or to an anchorage unit made of galvanized steel.

The BEGA mounting system allows the luminaire to be adjusted during installation.

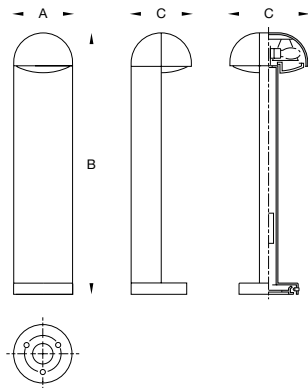
Anchorage units are accessories and must be ordered separately.

Technical data of anchorage units and connection boxes, pages 506 - 507.

Colour graphite or white

graphite – article number

white – article number + **W**



Single bollards

	Lamp	Lumen	A	B	C	Anch. unit
8681	1 A 60 100 W	1340	260	1200	260	896
8691	1 HME 50 W	2000	260	1200	260	896

Double bollards

	Lamp	Lumen	A	B	C	Anch. unit
8682	2 A 60 100 W	2680	260	1200	345	896
8692	2 HME 50 W	4000	260	1200	345	896



Shielded bollards with single-sided 180° light output

Shielded bollards with single-sided 180° light output.

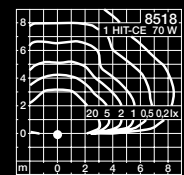
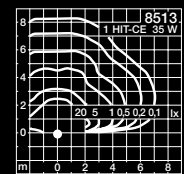
We supply these luminaires in two sizes to meet the diverse dimensions of their installation location.

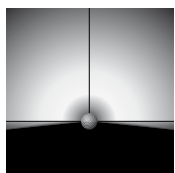
The luminaires are operated with discharge lamps which are characterized by their high luminous efficiency and good colour-rendering property.

The light from the lamp is deflected by a reflector onto the illuminated surface at an angle of 180°.

The sturdy construction of the luminaires makes them particularly suitable for areas where a high level of robustness is required. These luminaires are designed for orientation purposes and visual guidance in public and private areas.

They are ideal where surface illumination is required e.g. for pathways, driveways or squares.





Light output 180°

Shielded bollards with single-sided 180° light output
for discharge lamps

Protection class IP 55

Die cast aluminium, aluminium and stainless steel · Borosilicate glass
Reflector of pure anodized aluminium

8513 Connection box 632

8518 Door and connection box 632

BEGA bollards are bolted with a mounting plate to a foundation supplied
by the customer or to an anchorage unit made of galvanized steel.
The BEGA mounting system allows the luminaire to be adjusted during
installation.

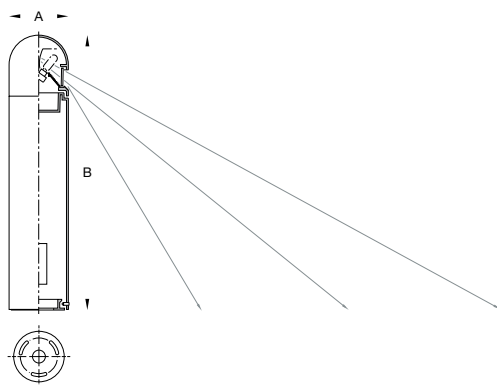
Anchorage units are accessories and must be ordered separately.

Technical data of anchorage units and connection boxes, pages 506-507.

Colour graphite or silver

graphite – article number

silver – article number + **A**



	Lamp		Lumen	A	B	Anch. unit
8513	1 HIT-CE 35 W	3400	165	800	895	
8518	1 HIT-CE 70 W	7000	220	1000	896	

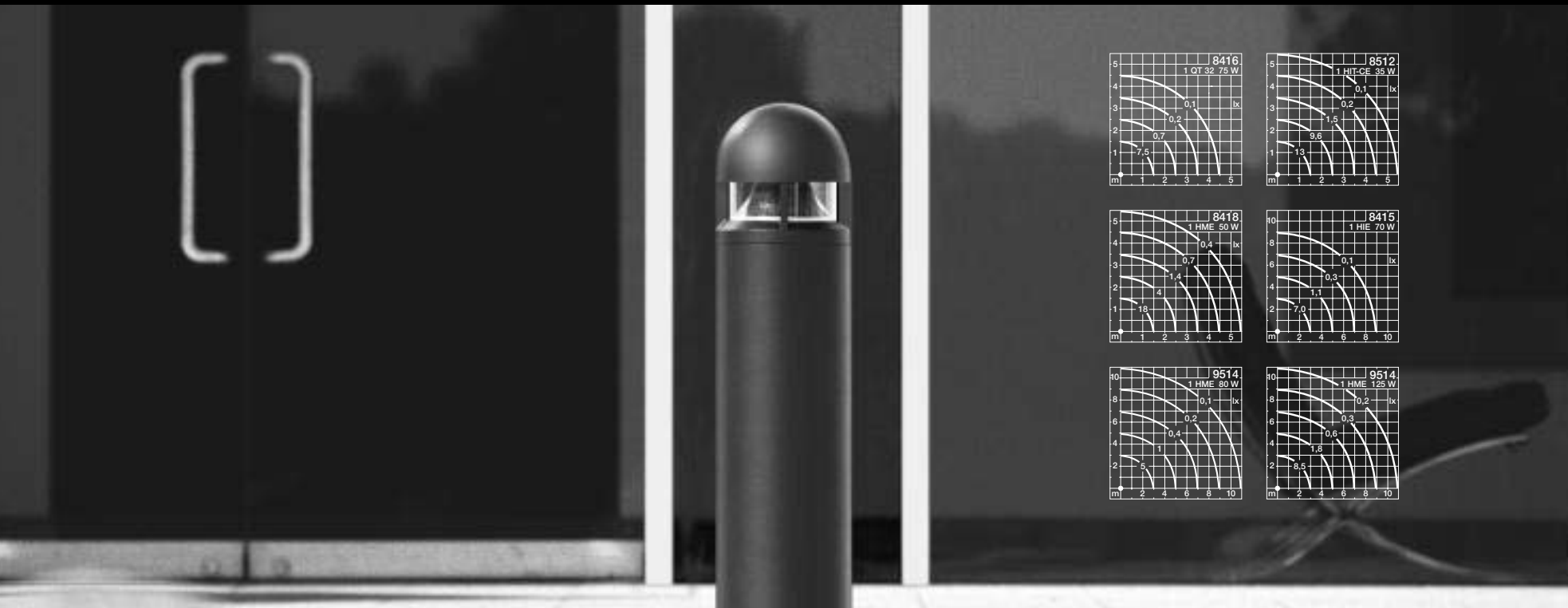


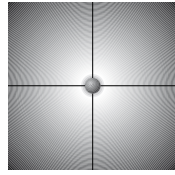
Bollards with rotationally symmetrical 360° light output

Bollards with rotationally symmetrical 360° light output.

We supply these luminaires in three sizes to meet the diverse dimensions of their installation location. Depending on the type, the luminaires can be operated with tungsten halogen lamps or discharge lamps. A reflector suppresses the glare from the lamp and directs it as rotationally symmetrical broad spread light onto the illuminated surface.

The sturdy construction of the luminaires makes them particularly suitable for areas where a high level of robustness is required. These luminaires are designed for orientation purposes and visual guidance in public and private areas.





Light output 360°

Bollards with rotationally symmetrical 360° light output
for tungsten halogen lamps and discharge lamps

Protection class IP 55

Die cast aluminium, aluminium and stainless steel · Borosilicate glass

9514 Clear plastic diffuser

Reflector of pure anodized aluminium

8416 · 8512 Connection box 632

8415 · 8418 · 9514 Door and connection box 632

BEGA bollards are bolted with a mounting plate to a foundation supplied
by the customer or to an anchorage unit made of galvanized steel.

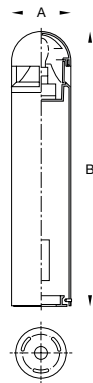
Anchorage units are accessories and must be ordered separately.

Technical data of anchorage units and connection boxes, pages 506 - 507.

Colour graphite or silver

graphite – article number

silver – article number + **A**



Tungsten halogen lamps		Lumen	A	B	Anch. unit
8416	1 QT 32	75 W 1050	165	800	895
Discharge lamps					
8512	1 HIT-CE	35 W 3400	165	800	895
8418	1 HME	50 W 2000	220	1000	896
8415	1 HIE	70 W 6400	220	1000	896
9514	1 HME	80 · 125 W 6800	300	1200	897



Shielded bollards with rotationally symmetrical light output

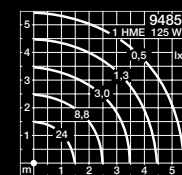
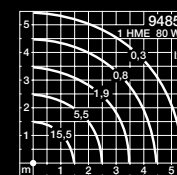
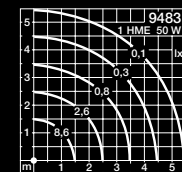
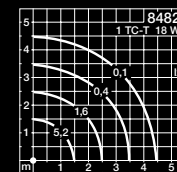
Shielded bollards with rotationally symmetrical light output. We supply these luminaires in three sizes to meet the diverse dimensions of their installation location. Depending on the type, they can be operated with fluorescent lamps or discharge lamps.

Crystal glass with light-diffusing texture distributes the light from the lamp through the light openings. The glass is not visible and is therefore protected from wilful destruction.

The sturdy construction of the luminaires makes them particularly suitable for areas where a high level of robustness is required. These luminaires are designed for orientation purposes and visual guidance in public and private areas.



Wall luminaires
page 184



Bollards

for fluorescent lamps and discharge lamps

Protection class IP 55

Die cast aluminium, aluminium and stainless steel

Crystal glass with optical texture

8482 Connection box with 3 x 4 \square connecting terminals

9483 · 9485 Door and connection box 632

BEGA bollards are bolted with a mounting plate to a foundation supplied by the customer or to an anchorage unit made of galvanized steel.

Anchorage units are accessories and must be ordered separately.

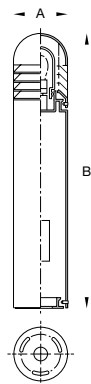
Technical data of anchorage units and connection boxes, pages 506-507.

Colour graphite, white or silver

graphite – article number

white – article number + **W**

silver – article number + **A**



Fluorescent lamps		Lumen		A	B	Anch. unit
8482	1 TC-T	18 W	1200	140	800	894
Discharge lamps						
9483	1 HME	50 W	2000	220	1200	896
9485	1 HME	80·125 W	6800	300	1300	897



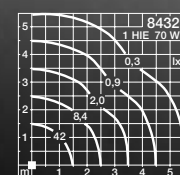
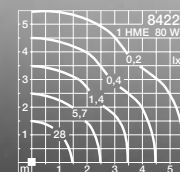
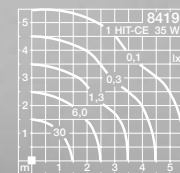
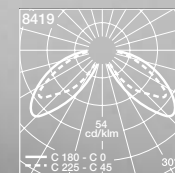
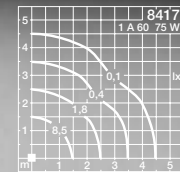
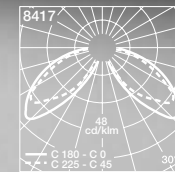
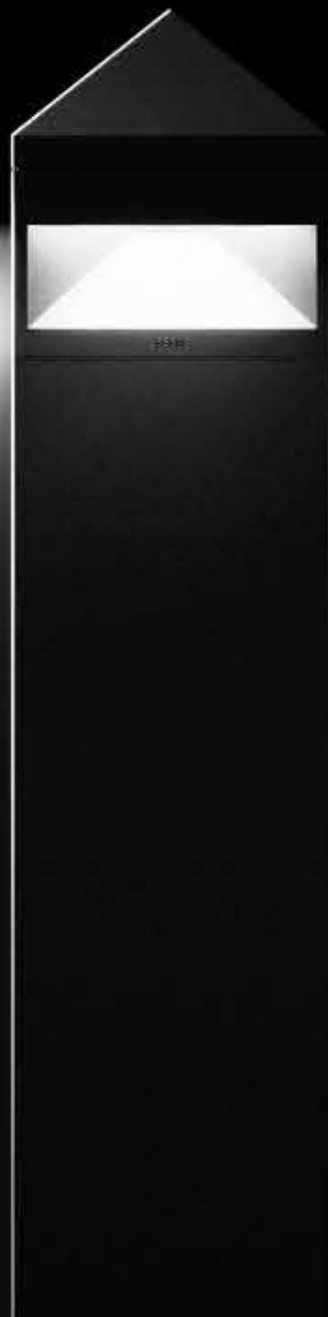
Shielded bollards with four-sided light output

Shielded bollards with four-sided light output. We supply these luminaires in two sizes to meet the diverse dimensions of their installation location. Depending on the type, the luminaires can be operated with incandescent lamps or discharge lamps.

They are shielded luminaires with broad spread light distribution.

Crystal glass with light-diffusing texture distributes the light from the lamp through the four light openings. The glass is not visible and is therefore protected from wilful destruction.

The sturdy construction of the luminaires makes them particularly suitable for areas where a high level of robustness is required.



Shielded bollards
for incandescent lamps and discharge lamps
Protection class IP 54

Die cast aluminium, aluminium and stainless steel
Crystal glass with optical texture
Reflector of pure anodized aluminium

8417 · 8419 Connection box 632

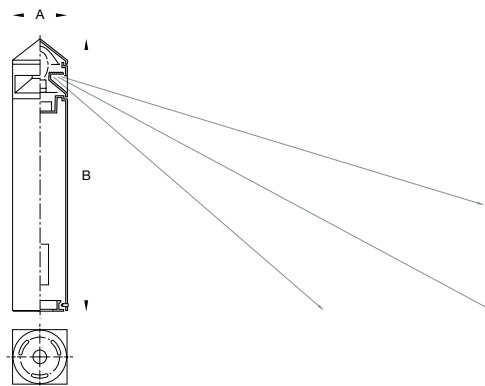
8422 · 8432 Door and connection box 632

BEGA bollards are bolted with a mounting plate to a foundation supplied by the customer or to an anchorage unit made of galvanized steel. The BEGA mounting system allows the luminaire to be adjusted during installation.

Anchorage units are accessories and must be ordered separately.

Technical data of anchorage units and connection boxes, pages 506 - 507.

Colour graphite



	Incandescent lamps	Lumen	A	B	Anch. unit
8417	1 A 60	75 W 935	160	900	895
Discharge lamps					
8419	1 HIT-CE	35 W 3400	160	900	895
8422	1 HME	80 W 4000	220	1100	896
8432	1 HIE	70 W 6400	220	1100	896



Unshielded bollards in different mounting heights

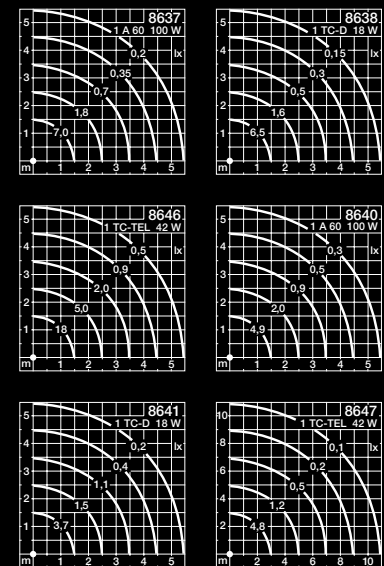


Wall luminaires page 114

Unshielded bollards with light output on all sides.

We supply these luminaires in two sizes and different heights to meet the diverse dimensions of their installation location. Depending on the type, the luminaires can be operated with incandescent lamps or fluorescent lamps. The luminaires for fluorescent lamps TC-TEL are equipped with electronic ballasts. 26 · 32 · 42W lamps can be used.

They are robust luminaires with a square layout and safety guard. Thick-walled crystal glass with light-diffusing texture distributes the light uniformly. The sturdy construction of the luminaires makes them particularly suitable for areas where a high level of robustness is required. These luminaires are designed to demarcate and provide visual guidance in public and private areas, and to illuminate surfaces, such as pathways, driveways and squares, with light output on all sides.



Bollards in different mounting heights
for incandescent lamps and fluorescent lamps

Protection class IP 65

Die cast aluminium, aluminium and stainless steel · Crystal glass with optical texture

8637 · 8638 · 8646 Connection box with 3x4[□] connecting terminals

8640 · 8641 Connection box 632

8647 Door and connection box 632

8646 · 8647 with electronic ballast

BEGA bollards are bolted with a mounting plate to a foundation supplied
by the customer or to an anchorage unit made of galvanized steel.

The BEGA mounting system allows the luminaire to be adjusted during
installation. Anchorage units are accessories and must be ordered separately.

Technical data of anchorage units and connection boxes, pages 506 -507.

Colour graphite or silver

graphite – article number

silver – article number + A



Bollards · Height 550 · 650 mm

	Lamp	Lumen	A	B	Anch. unit
8637	1 A 60	100 W 1340	160	550	895
8638	1 TC-D	18 W 1200	160	550	895
8646	1 TC-TEL	42 W 3200	220	650	896

Bollards · Height 1100 · 1200 mm

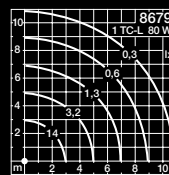
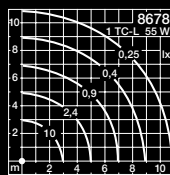
	Lamp	Lumen	A	B	Anch. unit
8640	1 A 60	100 W 1340	160	1100	895
8641	1 TC-D	18 W 1200	160	1100	895
8647	1 TC-TEL	42 W 3200	220	1200	896





Unshielded bollards

Unshielded bollards with light output on all sides. These luminous light elements with square layout are designed for public areas and equipped with a safety guard. They are especially suitable for delineating or structuring outside areas. They provide surface illumination for e.g. pathways, driveways and squares with light output on all sides. We supply these luminaires in two sizes to meet the different dimensions of their installation location. Wall luminaires whose shape and construction match the luminaires on this double page are given on page 160.



Bollards for fluorescent lamps

Protection class IP 65

Die cast aluminium, aluminium and stainless steel

White plastic diffuser

8678 Connection box 632

8679 Door and connection box 632

Electronic ballast

BEGA bollards are bolted with a mounting plate to a foundation supplied by the customer or to an anchorage unit made of galvanized steel.

The BEGA mounting system allows the luminaire to be adjusted during installation.

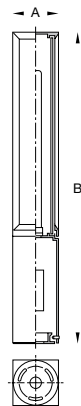
Anchorage units are accessories and must be ordered separately.

Technical data of anchorage units and connection boxes, pages 506 - 507.

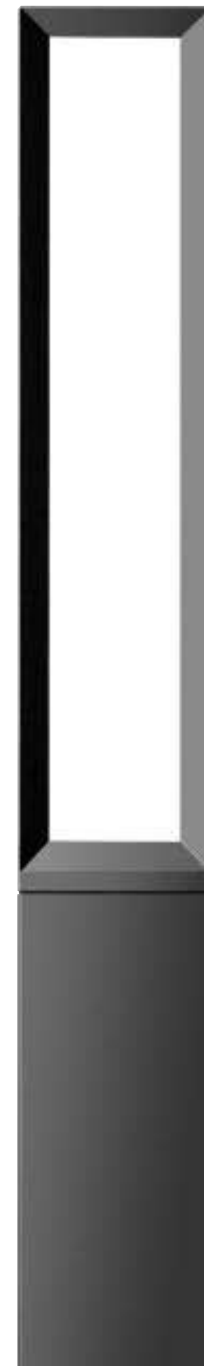
Colour graphite or silver

graphite – article number

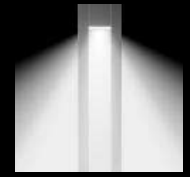
silver – article number + **A**



	Lamp		Lumen	A	B	Anch. unit
8678	1 TC-L 55 W	4800	160	1100	895	
8679	1 TC-L 80 W	6000	220	1200	896	



Bollards with broad spread light distribution



Shielded bollards with broad spread light distribution.

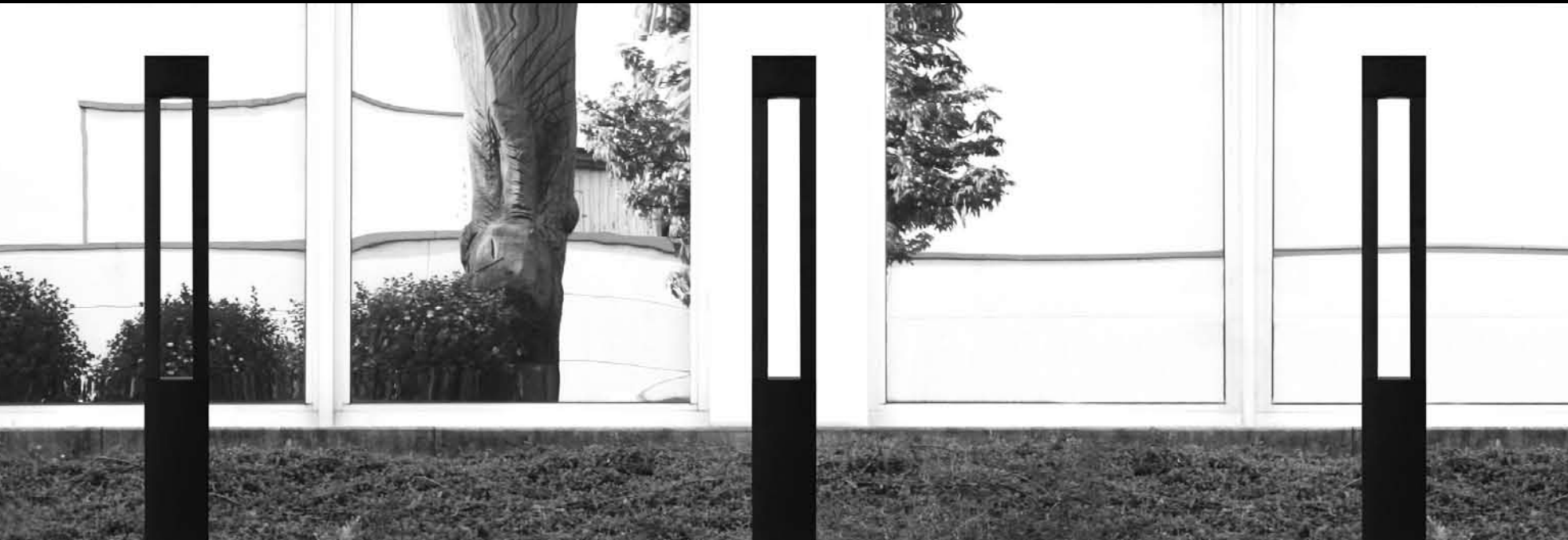
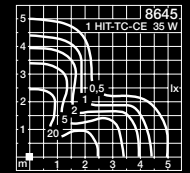
These luminaires are operated with discharge lamps which are characterized by their low connected power and high luminous efficiency. The light from the lamp is directed by a reflector onto the illuminated surface.

These luminaires produce impressive light graphics and a high level of illuminance on the ground.

Robust and striking, they delineate and structure outside areas.

Their function is to locate, guide and demarcate. They are ideal for illuminating squares, driveways and entrances.

For luminaires with the same design features but different dimensions, see page 426.



Bollards for discharge lamps

Protection class IP 65

Die cast aluminium, aluminium and stainless steel

Safety glass

Reflector of pure anodized aluminium

Connection box 632

Electronic ballast

BEGA bollards are bolted with a mounting plate to a foundation supplied by the customer or to an anchorage unit made of galvanized steel.

The BEGA mounting system allows the luminaire to be adjusted during installation.

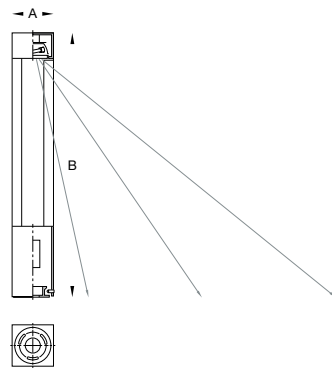
Anchorage units are accessories and must be ordered separately.

Technical data of anchorage units and connection boxes, pages 506 - 507.

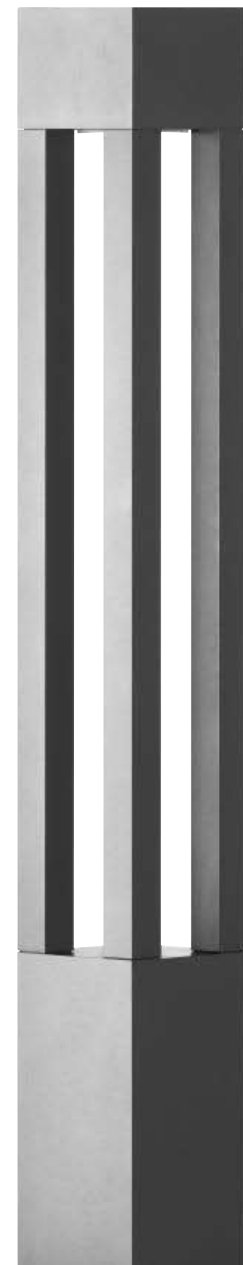
Colour graphite or silver

graphite – article number

silver – article number + **A**



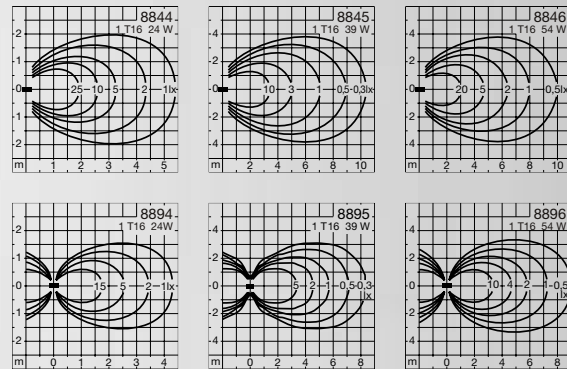
	Lamp		Lumen	A	B	Anch. unit
8645	1 HIT-TC-CE	35 W	3400	160	1000	895

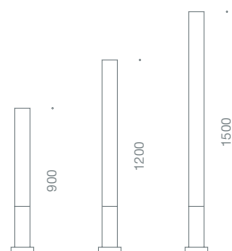




Bollards with **single-sided** or **double-sided** light output

Shielded bollards with single-sided or double-sided light output. Equipped with inside louvre, they provide broad spread light distribution. The luminaires are operated with fluorescent lamps T 16 and equipped with electronic ballasts. They can be operated with lamps of the same length with two different light outputs. Depending on the lamp length, we supply these luminaires in three different heights. They can solve diverse design tasks and can be installed to meet the dimensions of their installation location. These luminaires are designed to demarcate and provide visual guidance in private and public areas. They are especially suitable for providing direction, indication or structure lighting. For luminaires with the same design features but different dimensions, see page 422.





Bollards with **single-sided** or **double-sided** light output for fluorescent lamps

Protection class IP 65

Die cast aluminium, aluminium and stainless steel

Safety glass with optical texture

Reflector of pure anodized aluminium

Connection box 632

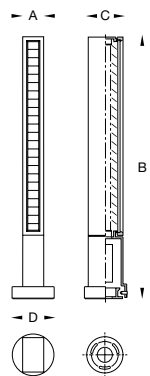
Electronic ballast

BEGA bollards are bolted with a mounting plate to a foundation supplied by the customer or to an anchorage unit made of galvanized steel. The BEGA mounting system allows the luminaire to be adjusted during installation. Anchorage units are accessories and must be ordered separately. Technical data of anchorage units and connection boxes, pages 506 - 507.

Colour graphite or silver

graphite – article number

silver – article number + **A**



Single-sided light output

	Lamp		Lumen	A	B	C	D	Anch. unit
8844	1 T 16	14 · 24 W	1750	95	900	155	190	896
8845	1 T 16	21 · 39 W	3100	95	1200	155	190	896
8846	1 T 16	28 · 54 W	4450	95	1500	155	190	896

Double-sided light output

	Lamp		Lumen	A	B	C	D	Anch. unit
8894	1 T 16	14 · 24 W	1750	95	900	155	190	896
8895	1 T 16	21 · 39 W	3100	95	1200	155	190	896
8896	1 T 16	28 · 54 W	4450	95	1500	155	190	896





Shielded or unshielded bollards for fluorescent lamps

Robust luminaires with single-sided light output.

They are available with shielded light source or white safety glass.

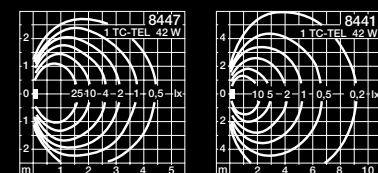
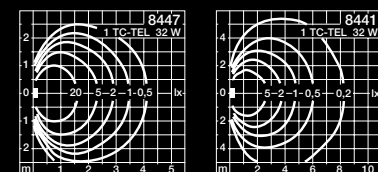
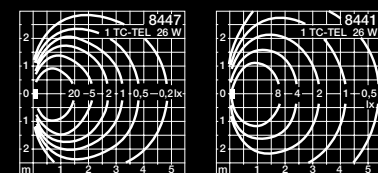
The luminaires for fluorescent lamps TC-TEL are equipped with electronic ballasts.

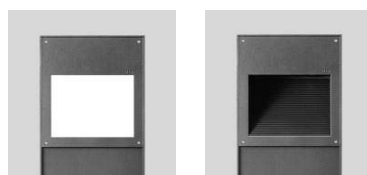
26 · 32 · 42 W lamps can be used.

Light output can be adjusted to meet the requirements of their installation location.

These luminaires are designed to demarcate and provide visual guidance e.g. for pathways, driveways or squares.

For recessed wall luminaires with the same design elements but with a different light distribution: to illuminate horizontal surfaces – see page 18 or to floodlight buildings – see page 21.





unshielded

shielded

Unshielded or shielded bollards

for fluorescent lamps

Protection class IP 65

Die cast aluminium, aluminium and stainless steel

White safety glass or safety glass with grid

Door and connection box 632

Electronic ballast

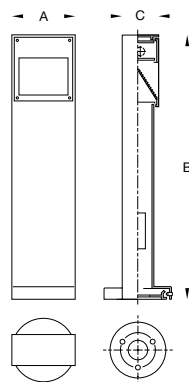
BEGA bollards are bolted with a mounting plate to a foundation supplied by the customer or to an anchorage unit made of galvanized steel.

The BEGA mounting system allows the luminaire to be adjusted during installation.

Anchorage units are accessories and must be ordered separately.

Technical data of anchorage units and connection boxes, pages 506 - 507.

Colour graphite



Bollard · unshielded

	Lamp	Lumen	A	B	C	Anch. unit
8441	1 TC-TEL 42 W	3200	240	1000	110	896

Bollard · shielded

	Lamp	Lumen	A	B	C	Anch. unit
8447	1 TC-TEL 42 W	3200	240	1000	110	896

Surface washers with **flat beam** light distribution



Luminaires for glarefree illumination of ground surfaces.

The light from the lamp is deflected by a reflector onto the illuminated surface at an angle of 180°. Flat beam, broad spread light distribution is especially suitable for the illumination of forecourts, gateways and paths in both private and public areas.

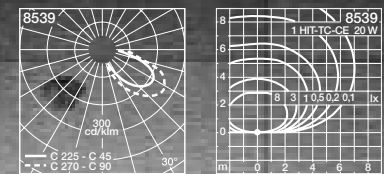
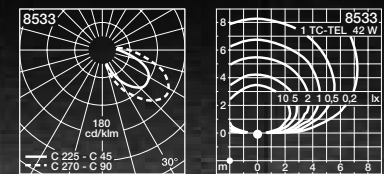
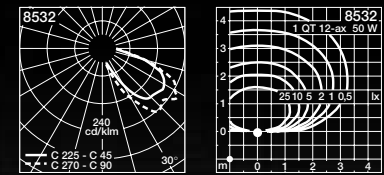
We supply these luminaires in two sizes to meet the diverse dimensions of their installation location. Depending on the type, the luminaires can be operated with tungsten halogen lamps, fluorescent lamps or discharge lamps.

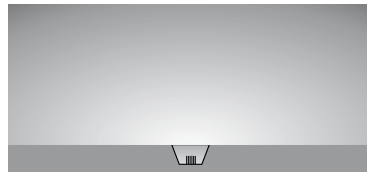
The luminaires for fluorescent lamps TC-TEL are equipped with electronic ballasts. 26 · 32 · 42W lamps can be used.

For luminaires with the same design features but different light distribution:

for illuminating horizontal surfaces – see page 382 or

for floodlighting buildings – see page 384.





Surface washers with **flat beam** light distribution
to illuminate ground surfaces
for low voltage tungsten halogen lamps, fluorescent lamps and
discharge lamps GU 6.5 base

Protection class IP 65

Die cast aluminium, aluminium and stainless steel

Safety glass with optical texture

Reflector of pure anodized aluminium

8532 · 8539 Connection box with 3 x 4[□] connecting terminals

8533 Door and connection box 632

8532 with electronic transformer

8533 · 8539 with electronic ballast

BEGA bollards are bolted with a mounting plate to a foundation supplied by
the customer or to an anchorage unit made of galvanized steel. The BEGA
mounting system allows the luminaire to be adjusted during installation.

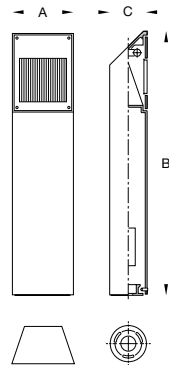
Anchorage units are accessories and must be ordered separately.

Technical data of anchorage units and connection boxes, pages 506 - 507.

Colour graphite or silver

graphite – article number

silver – article number + **A**



	Lamp		Lumen	A	B	C	Anch. unit
8532	1 QT 12-ax	50 W	910	160	800	110	894
8539	1 HIT-TC-CE	20 W	1700	160	800	110	894
8533	1 TC-TEL	42 W	3200	250	1100	140	895



Surface washers for **horizontal** surfaces

Luminaires providing glarefree illumination of ground surfaces.

These luminaires are characterized by their high level of illuminance on the illuminated surface. Asymmetrical light distribution is especially suitable for in-depth illumination of squares, entrances and wide pathways in private and public areas.

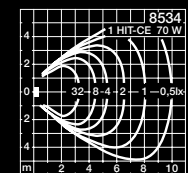
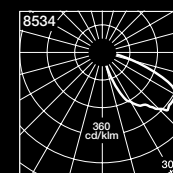
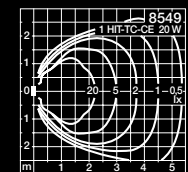
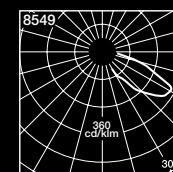
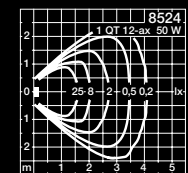
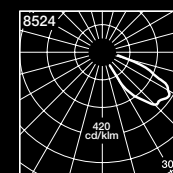
We supply these luminaires in two sizes to meet the diverse dimensions of their installation location. Depending on the type, these luminaires can be operated with tungsten halogen lamps or discharge lamps.

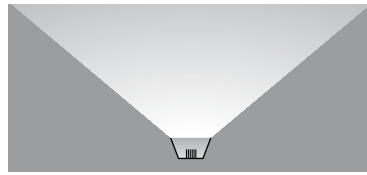
For luminaires with the same design features but different light distribution:

for floodlighting buildings – see page 384 or with flat beam light distribution e.g. for illuminating paths – see page 380.



Recessed wall
luminaires page 14





Surface washers for illuminating **horizontal** surfaces
for low voltage tungsten halogen lamps and discharge lamps

Protection class IP 65

Die cast aluminium, aluminium and stainless steel · Safety glass
Reflector of pure anodized aluminium

8524 · 8549 Connection box with 3x4□ connecting terminals

8534 Door and connection box 632

8524 with electronic transformer

8549 with electronic ballast

BEGA bollards are bolted with a mounting plate to a foundation supplied by the customer or to an anchorage unit made of galvanized steel.

The BEGA mounting system allows the luminaire to be adjusted during installation.

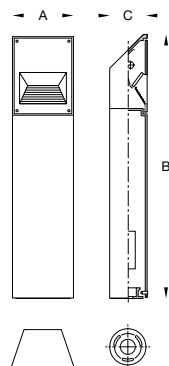
Anchorage units are accessories and must be ordered separately.

Technical data of anchorage units and connection boxes, pages 506 - 507.

Colour graphite or silver

graphite – article number

silver – article number + **A**



		Low voltage tungsten halogen lamps		Base	Lumen	A	B	C	Anch. unit
8524	1 QT 12-ax	50 W	GY 6,35	910	160	800	110	894	
Discharge lamps									
8549	1 HIT-TC-CE	20 W	GU 6,5	1700	160	800	110	894	
8534	1 HIT-CE	70 W	G 12	7000	250	1100	140	895	

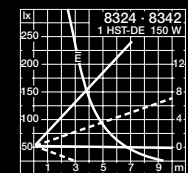
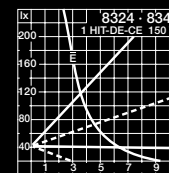
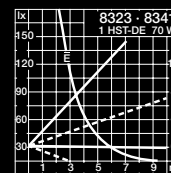
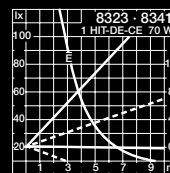
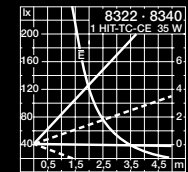
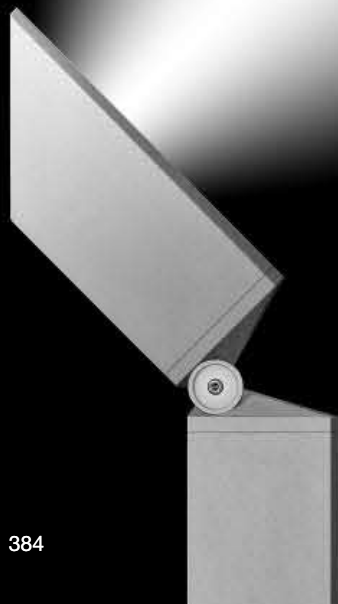
Surface washers in different mounting heights
for discharge lamps up to 150 W

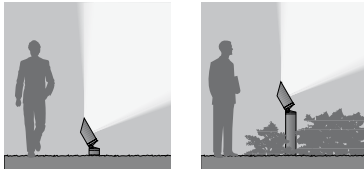
Surface washers with asymmetrical light distribution for discharge lamps 35 · 70 · 150 W. These luminaires are designed to illuminate and floodlight façades, parts of buildings or building details.

They are ideal for all areas where surface light is required, and the construction of conventional floodlights makes them unsuitable for this purpose.

We supply these luminaires in two sizes and different heights to meet the diverse dimensions of their installation location. Surface washers 400 mm and 550 mm in height are also suitable for ceiling and wall installation.

For bollards with the same design features but different light distribution, see pages 380 - 383.





Surface washers in different mounting heights
for discharge lamps

Protection class IP 65

Die cast aluminium, aluminium and stainless steel · Safety glass
Reflector of pure anodized aluminium

Connection box with 3 x 4□ connecting terminals

8341 · 8342 Door and connection box 632

8322 · 8340 with electronic ballast

These BEGA surface washers are bolted with a mounting plate to a foundation supplied by the customer or to an anchorage unit made of galvanized steel. The BEGA mounting system allows adjustment of the luminaire during installation.

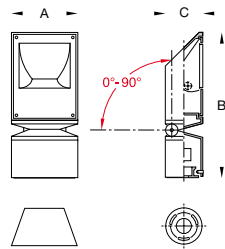
Anchorage units are accessories and must be ordered separately.

Technical data of anchorage units and connection boxes,
pages 506 - 507.

Colour graphite or silver

graphite – article number

silver – article number + **A**



Surface washers · Heights 400 and 550 mm

	Lamp		Lumen	A	B	C	Anch. unit
8322	1 HIT-TC-CE	35 W	3400	160	400	110	894
8323	1 HI/HST-DE	70 W	6900	250	550	140	895
8324	1 HI/HST-DE	150 W	15 000	250	550	140	895

Surface washers · Heights 800 and 1100 mm

	Lamp		Lumen	A	B	C	Anch. unit
8340	1 HIT-TC-CE	35 W	3400	160	800	110	894
8341	1 HI/HST-DE	70 W	6900	250	1100	140	895
8342	1 HI/HST-DE	150 W	15 000	250	1100	140	895



Bollards with rotationally symmetrical light output with optional connection chamber for power supply

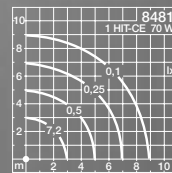
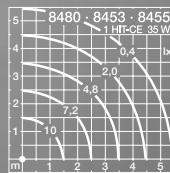
The bollards on this double page are supplied with or without a connection chamber for the power supply. When equipped with a connection chamber, they provide not only lighting but a connection for electrically driven tools and a power supply for public and commercial facilities. These luminaires produce shielded light with broad spread light distribution.

They operate with discharge lamps which are characterized by their high luminous efficiency and good colour rendering properties.

The glass is not visible and therefore protected from wilful destruction. The sturdy construction of the luminaires makes them especially suitable for areas where a high level of robustness is required.

On request, we also supply bollard 8455 with ordered installation inserts fitted and wired ready for connection.

For other connecting pillars, see page 388.



Installation inserts for installation
in the connection chamber of bollard 8455

Connection chamber for a maximum of 2 inserts

- CEE sockets 16 A · 400 V ~

or

- CEE sockets 32 A · 400 V ~

and for a maximum of 6 inserts

- CEE sockets 16 A · 250 V ~

or

- Safety socket outlets 16 A · 250 V ~

Installation inserts

190	Safety socket outlet	16 A · 250 V ~
191	CEE socket	16 A · 250 V ~
192	CEE socket	16 A · 400 V ~
193	CEE socket	32 A · 400 V ~



bollard



bollard with
connection chamber

Bollards with rotationally symmetrical light output
for discharge lamps as

- bollard · protection class IP 65 or
- bollard with connection chamber · protection class IP X4

Die cast aluminium, aluminium and stainless steel · Safety glass
Reflector of pure anodized aluminium

8480 · 8481 Door and connection box 632

8453 · 8455 **with** or **without** installation inserts

Door and 5x25[□] connecting terminals · Three-phase mains connection

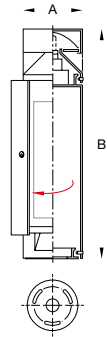
For through-wiring · Neutral and PE terminal

Security lock with 2 keys

Luminaire is connected by 3x4[□] terminals with fuse

BEGA bollards are bolted with a mounting plate to a foundation supplied by the customer
or to an anchorage unit made of galvanized steel. Anchorage units are accessories and
must be ordered separately. Technical data of anchorage units and connection boxes,
pages 506 - 507.

Colour graphite



		Lamp	Lumen	A	B	Anch. unit
8480	Bollard	1 HIT-TC-CE	35 W 3400	190	1000	896
8481	Bollard	1 HIT-CE	70 W 7000	265	1200	896
8453	Bollard	1 HIT-CE	35 W 3400	265	1000	896
	Con. chamber with	2 CEE sockets		16 A · 400 V ~		
		3 CEE sockets		16 A · 250 V ~		
		3 safety socket outlets		16 A · 250 V ~		
		1 residual current device		40 A · 30 mA		
		2 automatic cut outs		C-16 A 3 pol.		
		6 automatic cut outs		C-16 A 1 pol.		
8455	Bollard	1 HIT-CE	35 W 3400	265	1000	896
	Connection chamber without	installation inserts + 2 fuse boxes	8 pcs			



Connecting pillars for power supply

Connecting pillars designed for the electrical connection of portable garden luminaires, electrically driven gardening tools, and to provide the power supply for public or commercial facilities.

- Connecting pillars with installation inserts are wired in the factory ready for connection.
- Connecting pillars without installation inserts allow you to choose the type and number of installation inserts to suit your particular requirement. These pillars are then supplied empty with the respectively ordered inserts.

The installation must be carried out by the authorized electrician trade.

The installation and operation of this equipment are subject to national electrical and electronic safety regulations.

We can also supply connecting pillar 338 with ordered installation inserts fitted and wired ready for connection.

Portable garden sockets are given on page 248.



Installation inserts for connecting pillars 382 · 380

Support and cover
GRP · Colour graphite

Installation inserts

170	Safety socket outlet	16 A · 250 V ~
176	Safety socket outlet B/F	16 A · 250 V ~
177	Safety socket outlet GB	13 A · 250 V ~
178	Safety socket outlet US	20 A · 125 V ~
179	Safety socket outlet CH	10 A · 250 V ~
171	Rocker switch	10 A · 250 V ~
172	Push switch, NOC	10 A · 250 V ~
173	Control/Three-way switch	10 A · 250 V ~
174	Key-oper. switch, three-way	10 A · 250 V ~
175	Key-oper. switch, pushbutton	10 A · 250 V ~
180	Key cylinder for 174+175	

Installation inserts for connecting pillar 338

for a maximum of 2 inserts

- CEE sockets 16 A · 400 V ~
- or • CEE sockets 32 A · 400 V ~

and for a maximum of 6 inserts

- CEE sockets 16 A · 250 V ~
- or • Safety socket outlets 16 A · 250 V ~

Installation inserts

190	Safety socket outlet	16 A · 250 V ~
191	CEE socket	16 A · 250 V ~
192	CEE socket	16 A · 400 V ~
193	CEE socket	32 A · 400 V ~

We supply connecting pillars

- for safety socket outlets + switch
- for CEE sockets
- lockable

Die cast aluminium, aluminium and stainless steel

BEGA connecting pillars are bolted with a mounting plate to a foundation supplied by the customer or to an anchorage unit made of galvanized steel. Anchorage units are accessories and must be ordered separately. Technical data, page 507.

Colour graphite

Connecting pillars for safety socket outlets + switch

- **with** installation inserts
- **without** installation inserts

Protection class IP 44

Door and 4 x 4[□] connecting terminals

Single-phase mains connection



Anchorage unit

375	Connecting pillar with 2 safety socket outlets	895
376	Connecting pillar with 1 socket +1 switch	895
377	Connecting pillar with 4 safety socket outlets	895
378	Connecting pillar with 3 sockets +1 switch	895
382	Connecting pillar without installation inserts for a maximum of 2 inserts	895
380	Connecting pillar without installation inserts for a maximum of 4 inserts	895

Connecting pillars for CEE sockets

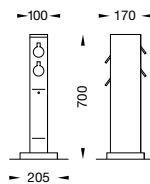
- **with** installation inserts

Protection class IP X4

Door and 4 x 4[□] connecting terminals

Three-phase mains connection

PE terminal



Anchorage unit

383	Connecting pillar with 4 CEE sockets	4 x 16 A · 250 V ~	895
384	Connecting pillar with 2 CEE sockets and 2 CEE sockets	2 x 16 A · 250 V ~ 2 x 16 A · 400 V ~	895

Connecting pillars · **Lockable**

- **with** installation inserts
- **without** installation inserts

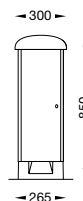
Protection class IP X4

Door and 5 x 25[□] connecting terminals

Three-phase mains connection · for through-wiring

Neutral and PE terminal

Security lock with 2 keys



Anchorage unit

238	Con. pillar with	2 CEE sockets	16 A · 400 V ~	896
		3 CEE sockets	16 A · 250 V ~	
		3 safety socket outlets	16 A · 250 V ~	
		1 residual current device	40 A · 30 mA	
		2 automatic cut outs	C-16 A 3 pol.	
		6 automatic cut outs	C-16 A 1 pol.	
338	Con. pillar without	installation inserts + 2 fuse boxes 8 pcs		896



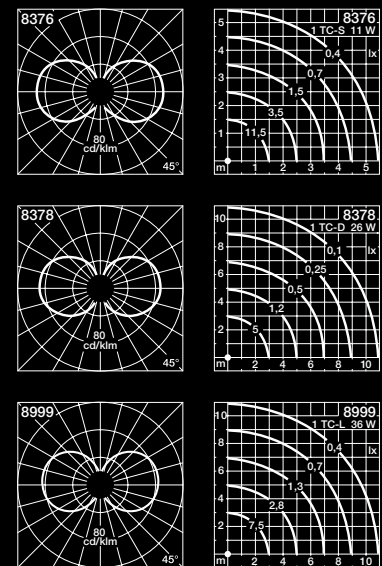
Bollard and light building element · STAINLESS STEEL



Unshielded luminaires made of stainless steel and hand-blown three-ply opal glass. They are available as bollards 1000 mm and 1200 mm in height or as light building element 2400 mm in height.

Stainless steel is a very robust and high-quality material. It is characterized by its practically unlimited durability. This is complemented by the robust and high-quality material three-ply opal glass with its incomparable lighting properties.

These luminaires are also available on request with a white plastic cylinder. They are designed to illuminate paths, flower beds and patios.





Wall luminaires
page 144

Bollards and light building element for fluorescent lamps

Protection class IP 65

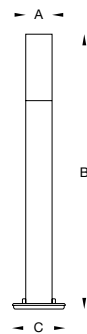
Stainless steel · Three-ply opal glass

8376 · 8378 Connection box with 3x4[□] connecting terminals

8999 Connection box 632

BEGA bollards and BEGA light building element are bolted with a mounting plate to a foundation supplied by the customer or to an anchorage unit made of galvanized steel.

Anchorage units are accessories and must be ordered separately. Technical data of anchorage units and connection boxes, pages 506 - 507.



Bollards · Heights 1000 and 1200 mm

	Lamp	Lumen	A	B	C	Anch. unit
8376	1 TC-S 11 W	900	80	1000	175	895
8378	1 TC-D 26 W	1800	110	1200	225	896

Light building element · Height 2400 mm

	Lamp	Lumen	A	B	C	Anch. unit
8999	1 TC-L 36 W	2900	110	2400	225	896



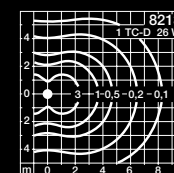
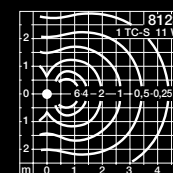
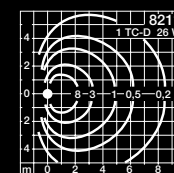
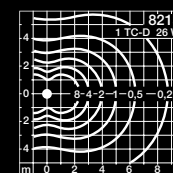
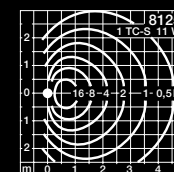
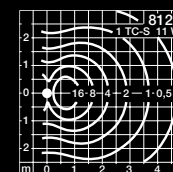
Unshielded bollards · STAINLESS STEEL

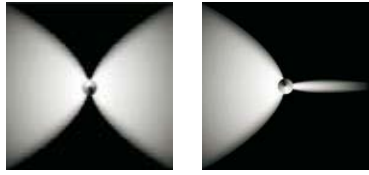
Unshielded bollards or bollards with light louvres made of stainless steel and hand-blown glass. Luminaires whose shape and concept is determined by the material stainless steel.

Stainless steel is a very robust and high-quality material. It is characterized by its practically unlimited durability. This is complemented by the robust and high-quality material three-ply opal glass with its incomparable lighting properties.

The luminaires with light louvres have a low luminance and are therefore ideal to provide discreet additional lighting. The unshielded luminaires are designed for use where surrounding brightness is high or to provide high-contrast illumination where the level of lighting is low.

On page 148 of this catalogue, you will find a description of wall luminaires and pillar luminaires whose shape and construction match the luminaires given on this double page. For light building elements, see page 394.





Light sector 90°/90° Light sector 90°/5°

Bollards for fluorescent lamps

Protection class IP 65

Stainless steel · Three-ply opal glass

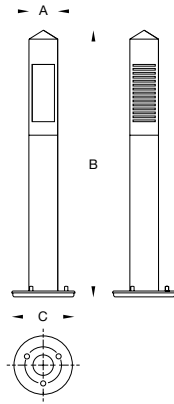
8121 · 8125 · 8123 Connection box 623

8215 · 8211 · 8213 Connection box 632

BEGA bollards are bolted with a mounting plate to a foundation supplied by the customer or to an anchorage unit made of galvanized steel.

Anchorage units are accessories and must be ordered separately.

Technical data of anchorage units and connection boxes, pages 506 - 507.



Unshielded bollards				Light sector 90°/90°			
Lamp		Lumen	A	B	C	Anch. unit	
8121	1 TC-S 11 W	900	80	950	175	895	
8215	1 TC-D 26 W	1800	110	1200	225	896	

Unshielded bollards				Light sector 90°/5°			
Lamp		Lumen	A	B	C	Anch. unit	
8125	1 TC-S 11 W	900	80	950	175	895	
8211	1 TC-D 26 W	1800	110	1200	225	896	

Bollards with light louvres				Light sector 90°/90°			
Lamp		Lumen	A	B	C	Anch. unit	
8123	1 TC-S 11 W	900	80	950	175	895	
8213	1 TC-D 26 W	1800	110	1200	225	896	



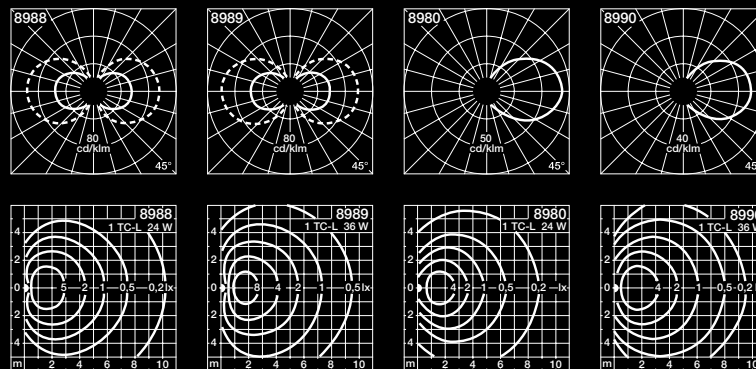
Light building element for fluorescent lamps · STAINLESS STEEL

A group of elongated luminaires, available in two sizes.

The shape and concept of these luminaires are determined by the material stainless steel. Stainless steel is a high-quality material which is characterized by its great stability and practically unlimited durability. This is also complemented by the durable and high-quality material three-ply opal glass with its incomparable lighting properties.

The luminaires with light louvres have a low luminance and are therefore ideal to provide discreet additional lighting. The unshielded luminaires are designed for use where surrounding brightness is high or to provide high-contrast illumination where the level of lighting is low.

Light building elements are luminaires which can delineate and structure outside areas. Their function is to locate, guide and demarcate. They are good design elements in architectural lighting.





Light sector 140°/140° Light sector 120°/5°

Light building elements for fluorescent lamps

Protection class IP 65

Stainless steel · Three-ply opal glass

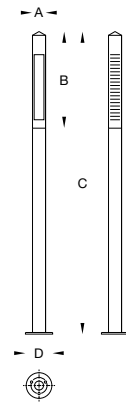
8988 · 8980 Connection box 623


8989 · 8990 Connection box 632

BEGA light building elements are bolted with a mounting plate to a foundation supplied by the customer or to an anchorage unit made of galvanized steel. Anchorage units are accessories and must be ordered separately.

Technical data of anchorage units and connection boxes, pages 506 - 507.

Free space of at least dimension - B - is required above the luminaire for relamping.



Unshielded light building element  Light sector 140°/140°

	Lamp	Lumen	A	B	C	D	Anch. unit
8988	1 TC-L 24 W	1800	80	620	2000	175	896
8989	1 TC-L 36 W	2900	110	800	2500	225	896

Light build. elem. with light louvres  Light sector 120°/5°

	Lamp	Lumen	A	B	C	D	Anch. unit
8980	1 TC-L 24 W	1800	80	620	2000	175	896
8990	1 TC-L 36 W	2900	110	800	2500	225	896



Bollards made of STAINLESS STEEL or aluminium with enamel finish

Shielded bollards with rotationally symmetrical light output.

The light from the lamp is focused by a reflector onto a conical reflector.

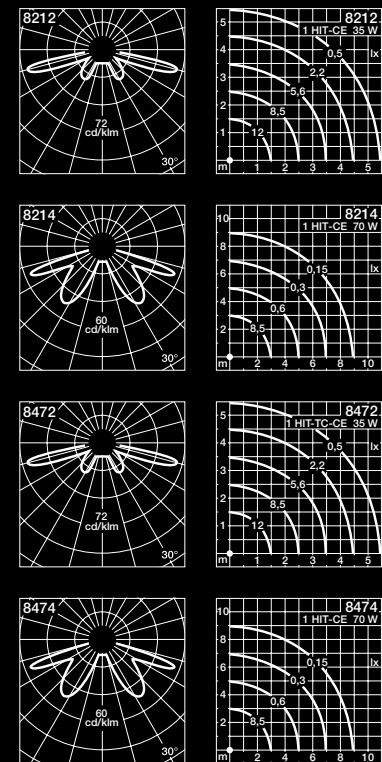
Illumination on the illuminated surface is rotationally symmetrical, broad spread and uniform.

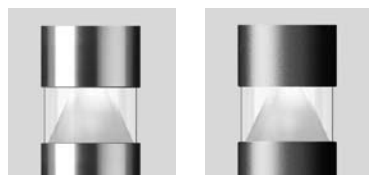
These luminaires are available in two sizes to meet the diverse dimensions of their installation location. They are operated with discharge lamps which are characterized by their high level of luminous efficiency and good colour rendering properties.

These luminaires are available in two materials:

STAINLESS STEEL or aluminium with enamel finish in the colour graphite.

They are designed to illuminate footpaths, entrances and driveways in private and public areas.





Stainless steel

Aluminium · graphite

Bollards for discharge lamps
made of

- stainless steel or
- aluminium with enamel finish

Protection class IP 65

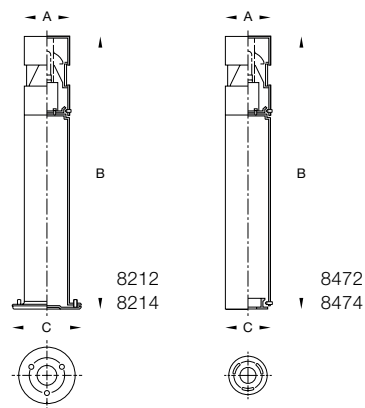
Borosilicate glass

Reflector of pure anodized aluminium

8212 · 8214 · 8472 Connection box 632

8474 Door and connection box 632

BEGA bollards are bolted with a mounting plate to a foundation supplied by the customer or to an anchorage unit made of galvanized steel. Anchorage units are accessories and must be ordered separately. Technical data of anchorage units and connection boxes, pages 506 - 507.



Stainless steel bollards

	Lamp	Lumen	A	B	C	Anch. unit
8212	1 HIT-CE 35 W	3400	155	1000	240	896
8214	1 HIT-CE 70 W	7000	205	1200	300	897

Aluminium bollards · Colour graphite

	Lamp	Lumen	A	B	C	Anch. unit
8472	1 HIT-TC-CE 35 W	3400	165	1000	165	895
8474	1 HIT-CE 70 W	7000	190	1200	190	896



Shielded bollards · STAINLESS STEEL

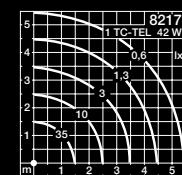
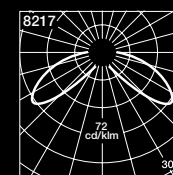
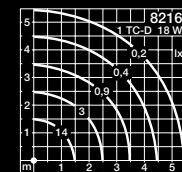
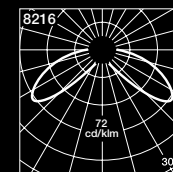
Shielded bollards with rotationally symmetrical light output for fluorescent lamps.

The light from the lamp is shielded by stainless steel louvres and directed onto the illuminated surface. We supply these luminaires in two sizes to meet the diverse dimensions of their installation location. The luminaires for fluorescent lamps TC-TEL are equipped with electronic ballasts. 26 · 32 · 42 Watt lamps can be used in these luminaires.

A group of bollards whose construction is determined entirely by the material stainless steel.

A material which meets the highest requirements with its great stability and durability.

They are designed to illuminate footpaths, entrances and driveways in private and public areas.



Bollards for fluorescent lamps

Protection class IP 65

Stainless steel · Borosilicate glass

Stainless steel louvred reflector

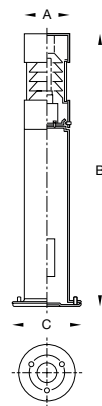
Connection box 632

8217 with electronic ballast

BEGA bollards are bolted with a mounting plate to a foundation supplied by the customer or to an anchorage unit made of galvanized steel.

Anchorage units are accessories and must be ordered separately.

Technical data of anchorage units and connection boxes, pages 506 - 507.



	Lamp		Lumen	A	B	C	Anch. unit
8216	1 TC-D	18 W	1200	155	1000	240	896
8217	1 TC-TEL	42 W	3200	205	1200	300	897



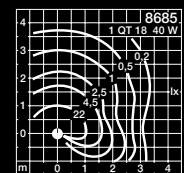
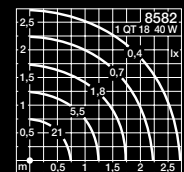
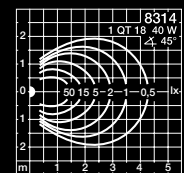
Garden luminaires with small dimensions



Three luminaires for areas where small dimensions are required. Luminaires producing brilliant light and different light effects.

Luminaire 8685 emits its light primarily in one direction and is especially suitable for illuminating paths, flights of steps or danger points. The swivel-mounted luminaire head of luminaire 8314 has great potential in many application areas. Apart from paths, the luminaire can illuminate building or garden details above itself. The rotationally symmetrical light distribution of luminaire 8582 is especially suitable for illuminating flower-beds, flowers and surfaces.

These three luminaires complement each other in their light effect and can be used together in any garden.





Garden luminaires for tungsten halogen lamps

Protection class IP 44

Die cast aluminium, aluminium and stainless steel

8314 Safety glass

8582 Plastic diffuser with optical texture

8685 Crystal glass with optical texture

3 x 4[□] connecting terminals

Only use Osram lamps, type 64467 AM!

BEGA garden luminaires are bolted with a mounting plate to a foundation supplied by the customer or to an anchorage unit made of galvanized steel. The BEGA mounting system allows adjustment of the luminaire during installation.

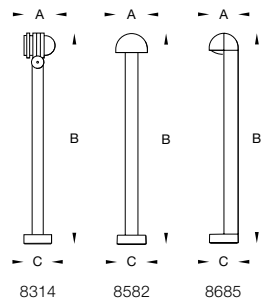
Anchorage units are accessories and must be ordered separately.

Technical data of anchorage units and connection boxes, page 507.

Colour graphite or white

graphite – article number

white – article number + **W**

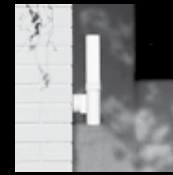


		Lamp	Lumen		A	B	C	Anch. unit
8314	Garden luminaire	1 QT 18 40 W	460	120	800	110		894
8582	Garden luminaire	1 QT 18 40 W	460	120	800	110		894
8685	Garden luminaire	1 QT 18 40 W	460	110	800	110		894

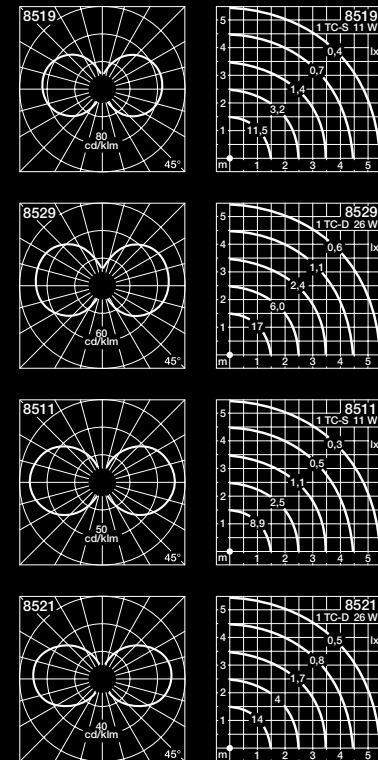


Unshielded garden luminaires

Unshielded luminaires in two sizes with rotationally symmetrical light distribution. They are equipped with hand-blown three-ply opal glass, with or without basket protector made of die cast aluminium. They produce pleasant, uniform light and are designed for private and public areas where there is no danger of wilful destruction.



Wall luminaires
page 156



Garden luminaires for fluorescent lamps

8511 · 8519 Protection class IP 44

8521 · 8529 Protection class IP 65

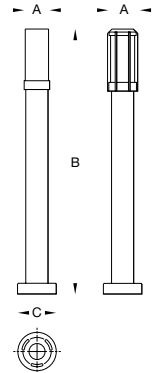
Die cast aluminium, aluminium and stainless steel

Three-ply opal glass

Connection box with 3x4² terminals

BEGA garden luminaires are bolted with a mounting plate to a foundation supplied by the customer or to an anchorage unit made of galvanized steel. Anchorage units are accessories and must be ordered separately. Technical data of anchorage units page 507.

Colour graphite

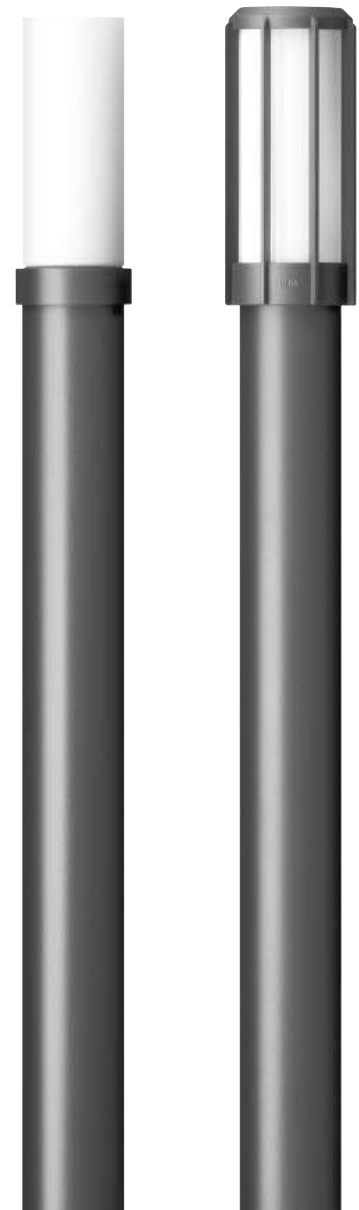


Garden luminaires · Opal glass

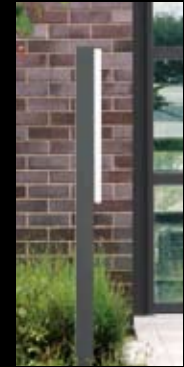
	Lamp	Lumen		A	B	C	Anch. unit
8519	1 TC-S 11 W	900		60	1000	110	894
8529	1 TC-D 26 W	1800		80	1000	140	895

Garden luminaires · Opal glass with **protective basket**

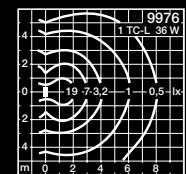
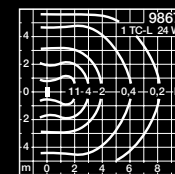
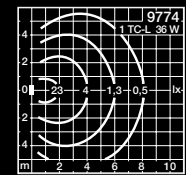
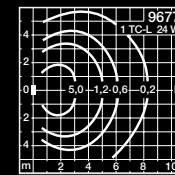
	Lamp	Lumen		A	B	C	Anch. unit
8511	1 TC-S 11 W	900		85	1000	110	894
8521	1 TC-D 26 W	1800		110	1000	140	895



Unshielded garden luminaires



Unshielded luminaires in two sizes for fluorescent lamps with light output in one or two directions. They are designed to illuminate pathways and entrances in gardens and residential areas. These luminaires are impressive with their unshielded light surfaces at night and their clear, high-contrast shape during the day.



Garden luminaires for fluorescent lamps
with **one-sided** or **two-sided** light output

Protection class IP 44

Die cast aluminium, aluminium and stainless steel

9677 · 9867 Three-ply opal glass

9774 · 9976 White plastic diffuser

Removable front plate

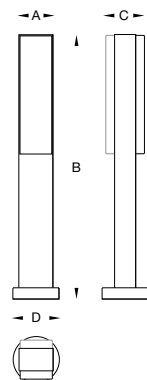
3x4□ connecting terminals

BEGA garden luminaires are bolted with a mounting plate to a foundation supplied by the customer or to an anchorage unit made of galvanized steel. The BEGA mounting system allows adjustment of the luminaire during installation.

Anchorage units are accessories and must be ordered separately.

Technical data of anchorage units page 507.

Colour graphite



Garden luminaires - **One-sided** light output

	Lamp	Lumen	A	B	C	D	Anch. unit
9677	1 TC-L 24 W	1800	120	1000	110	175	895
9774	1 TC-L 36 W	2900	160	1500	110	240	896

Garden luminaires - **Two-sided** light output

	Lamp	Lumen	A	B	C	D	Anch. unit
9867	1 TC-L 24 W	1800	120	1000	145	175	895
9976	1 TC-L 36 W	2900	160	1500	145	240	896

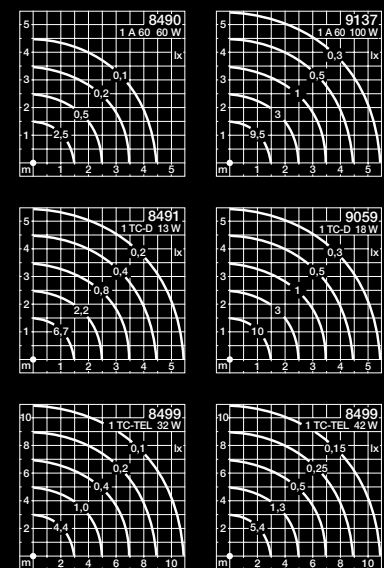


Unshielded bollards

Unshielded bollards with rotationally symmetrical light distribution. We supply these luminaires in three sizes to meet the diverse dimensions of their installation location.

Depending on the type, the luminaires can be operated with incandescent lamps or fluorescent lamps. The luminaires for fluorescent lamps TC-TEL are equipped with electronic ballasts. 26 · 32 · 42 W lamps can be used in these luminaires.

The light is distributed by a cylindrical lens made of silica glass which is shielded to the top. These luminaires with their pleasant and uniform light effect are designed for private and public areas where there is no danger of wilful destruction.





Wall luminaires
page 152

Bollards for incandescent lamps and fluorescent lamps

Protection class IP 55

Die cast aluminium, aluminium and stainless steel

Frosted crystal glass

Aluminium glass cover

8499 with electronic ballast

8490 · 8491 Connection box with 3x4[□] terminals

9137 · 9059 Connection box 632

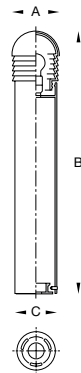
8499 Door and connection box 632

BEGA bollards are bolted with a mounting plate to a foundation supplied by the customer or to an anchorage unit made of galvanized steel.

Anchorage units are accessories and must be ordered separately.

Technical data of anchorage units and connection boxes, pages 506 - 507.

Colour graphite



Incandescent lamps		Lumen		A	B	C	Anch. unit
8490	1 A 60	60 W	710	135	800	110	894
9137	1 A 60	100 W	1340	165	1000	140	895
Fluorescent lamps		Lumen		A	B	C	Anch. unit
8491	1 TC-D	13 W	900	135	800	110	894
9059	1 TC-D	18 W	1200	165	1000	140	895
8499	1 TC-TEL	42 W	3200	265	1200	190	896



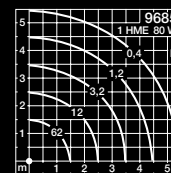
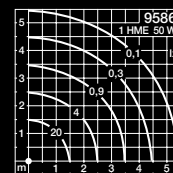
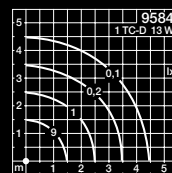
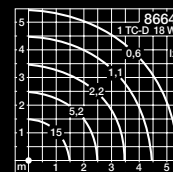
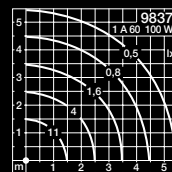
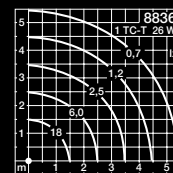
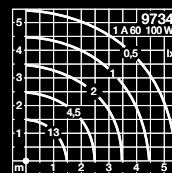
Unshielded or shielded garden luminaires

Unshielded or shielded luminaires for incandescent lamps and fluorescent lamps.

The light effect of these luminaires is pleasant and uniform. They are designed for private and public areas where there is no danger of wilful destruction.

Luminaires with shielded light source to provide glarefree surface illumination from low mounting heights.

They can be used for many lighting situations around houses, on patios, in gardens and parks.



Garden luminaires for incandescent lamps and fluorescent lamps
 Protection class IP 55
 Die cast aluminium, aluminium and stainless steel
 Three-ply opal glass or crystal bubble glass
 Connection box with 3x4□
 BEGA garden luminaires are bolted with a mounting plate to a foundation supplied by the customer or to an anchorage unit made of galvanized steel. Anchorage units are accessories and must be ordered separately.
 Technical data of anchorage units, page 507.
 Colour graphite



Garden luminaires - **Three-ply opal glass**

	Lamp	Lumen	A	B	C	Anch. unit
9734	1 A 60 100 W	1340	250	1100	140	895
8836	1 TC-T 26 W	1800	250	1100	140	895

Garden luminaires - **Crystal bubble glass**

	Lamp	Lumen	A	B	C	Anch. unit
9837	1 A 60 100 W	1340	250	1100	140	895
8664	1 TC-D 18 W	1200	250	1100	140	895

Garden luminaires for fluorescent lamps and discharge lamps
 Protection class IP 44
 Die cast aluminium, aluminium and stainless steel
 Impact-resistant plastic diffuser with optical texture
 Connection box with 3x4□
 BEGA garden luminaires are bolted with a mounting plate to a foundation supplied by the customer or to an anchorage unit made of galvanized steel. Anchorage units are accessories and must be ordered separately.
 Technical data of anchorage units, page 507.
 Colour graphite



Garden luminaires - **Impact-resistant plastic diffuser**

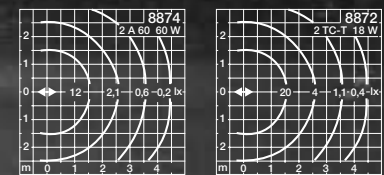
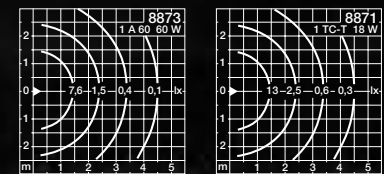
	Lamp	Lumen	A	B	C	Anch. unit
9584	1 TC-D 13 W	900	220	1000	140	895
9586	1 HME 50 W	2000	300	1100	140	895
9685	1 HME 80 W	4000	400	1200	220	896



Shielded garden luminaires



Luminaires in single and double configuration with shielded light source.
These robust luminaires provide glarefree lighting for paths, driveways and many areas of garden architecture. Luminaires for incandescent lamps or fluorescent lamps.
Pole-top luminaires with the same shape but larger dimensions are given on page 484.





Wall luminaires
page 194

Single or double garden luminaires
for incandescent lamps and fluorescent lamps

Protection class IP 65

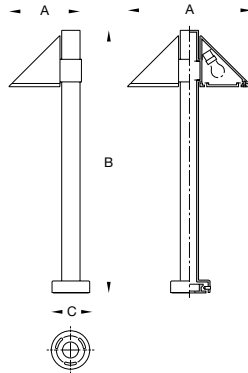
Die cast aluminium, aluminium and stainless steel
Crystal glass with optical texture

Connection box with 3x4 terminals

BEGA garden luminaires are bolted with a mounting plate to a foundation supplied by the customer or to an anchorage unit made of galvanized steel. Anchorage units are accessories and must be ordered separately.

Technical data of anchorage units, page 507

Colour graphite, white or silver
graphite – article number
white – article number + **W**
silver – article number + **A**



Single garden luminaires

	Lamp	Lumen	A	B	C	Anch. unit
8873	1 A 60 60 W	710	280	1200	140	895
8871	1 TC-T 18 W	1200	280	1200	140	895

Double garden luminaires

	Lamp	Lumen	A	B	C	Anch. unit
8874	2 A 60 60 W	1420	560	1200	140	895
8872	2 TC-T 18 W	2400	560	1200	140	895



Surface washers

Surface washers in single and double configuration providing uniform lighting for ground surfaces.

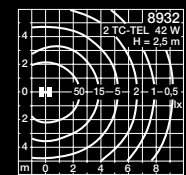
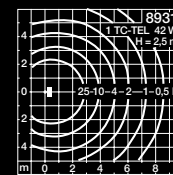
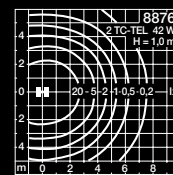
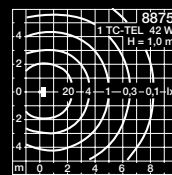
We supply two types of these surface washers: as building element ready for installation with a total height of 1200 mm, or as pole-top luminaire for BEGA luminaire poles of heights 2000 or 2500 mm. The luminaire poles must be ordered separately.

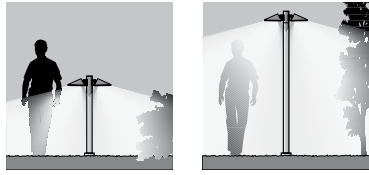
The flat beam, broad spread light distribution is especially suitable for illuminating driveways and paths.

The luminaires are equipped with electronic ballasts.

26 · 32 · 42 W lamps can be used in these luminaires.

Safety socket outlets and switches can be installed in the poles on request – see page 506.





Single and **double** surface washers for fluorescent lamps
Height **1200 mm** or for pole heights **2000** or **2500 mm**

Protection class IP 65

Die cast aluminium, aluminium and stainless steel · Safety glass

Reflector of pure anodized aluminium

Electronic ballast

- **8875 · 8876** Surface washers · **height 1200 mm**
Cylindrical pole Ø80 mm with base plate Ø140 mm
Connection box with 3 x 4[□] terminals

These BEGA surface washers are bolted with a mounting plate to a foundation supplied by the customer or to an anchorage unit made of galvanized steel.

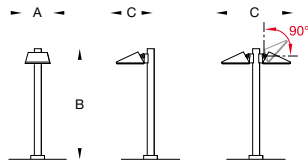
Anchorage units are accessories and must be ordered separately.

- **8931 · 8932** Surface washers for poles of heights **2000** or **2500 mm**
In the table, we recommend BEGA luminaire poles whose surface finish, colour, design and static features match the pole-top luminaires on this double page. A complete overview including technical data of all BEGA luminaire poles, anchorage units and sections, and connection boxes is given on pages 500 - 507.

Colour graphite or silver

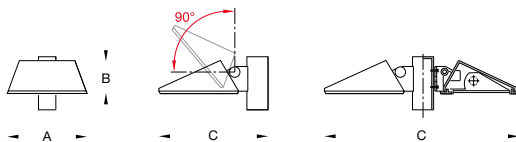
graphite – article number

silver – article number + **A**



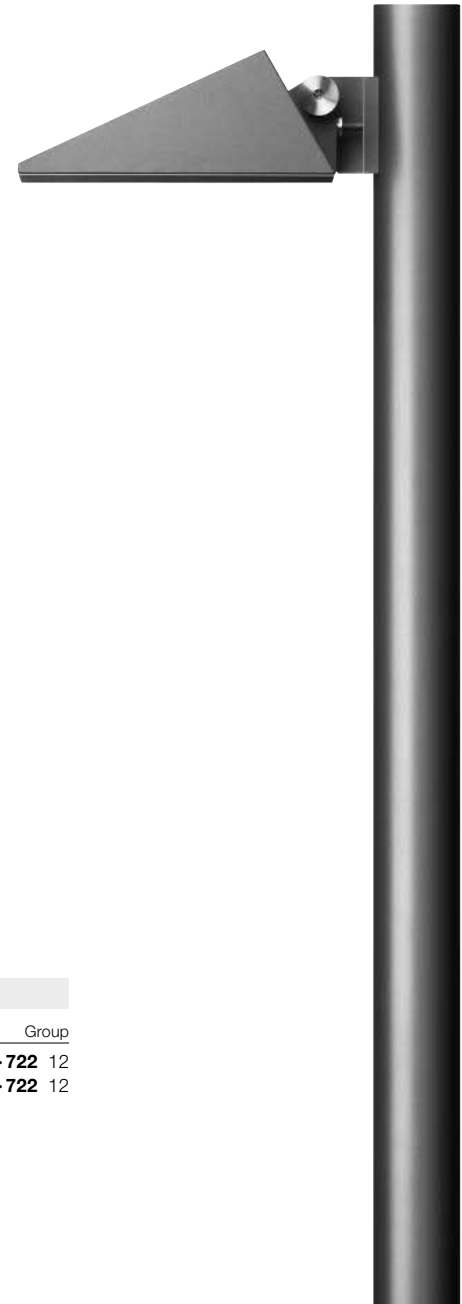
Surface washers · **height 1200 mm**

	Lamp	Lumen		A	B	C	Anch. unit
8875	1 TC-TEL 42 W	3200	single	260	1200	360	895
8876	2 TC-TEL 42 W	6400	double	260	1200	640	895



Surface washers · **for luminaire poles 2000 or 2500 mm**

				Luminaire poles								
	Lamp	Lumen		A	B	C	Height	Top	Pole	Group	Pole	Group
8931	1 TC-TEL 42 W	3200	single	260	190	360	2000 - 2500	Ø60	740 · 741	32	907 · 722	12
8932	2 TC-TEL 42 W	6400	double	260	190	640	2000 - 2500	Ø60	740 · 741	32	907 · 722	12





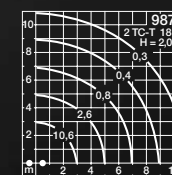
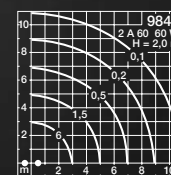
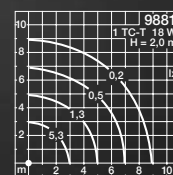
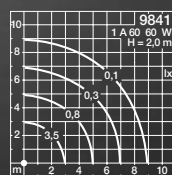
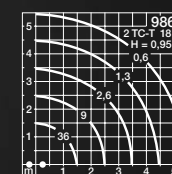
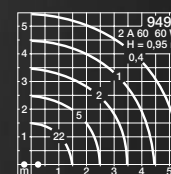
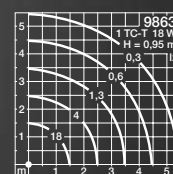
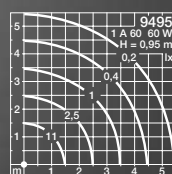
Garden luminaires or pole-top luminaire

Luminaires in single and double configuration providing glarefree lighting for paths, steps and gardens.

We supply two types of these surface washers: as building element ready for installation with a total height of 1200 mm, or as pole-top luminaire for BEGA luminaire poles of height 2000 mm – see table. The luminaire poles must be ordered separately. Luminaires of this type are also available in triple configuration.

Safety socket outlets and switches can be installed in the poles on request – see page 506.

For wall luminaires whose shape and construction match the luminaires on this double page, see page 180.



Single and **double** garden luminaires or pole-top luminaires
for incandescent lamps and fluorescent lamps
Garden luminaires **height 1200 mm** or pole-top luminaires for pole **height 2000 mm**

Protection class IP 44

Die cast aluminium, aluminium and stainless steel · Three-ply opal glass

• **9495 · 9863 · 9496 · 9864** Garden luminaires · **height 1200 mm**

Cylindrical pole Ø 82 mm with base plate Ø 140 mm

Connection box with 3 x 4² terminals

These BEGA garden luminaires are bolted with a mounting plate to a foundation supplied by the customer or to an anchorage unit made of galvanized steel.

Anchorage units are accessories and must be ordered separately.

• **9841 · 9881 · 9842 · 9873** Pole-top luminaires for pole **height 2000 mm**

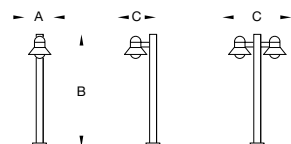
In the table, we recommend BEGA luminaire poles whose surface finish, colour, design and static features match the pole-top luminaires on this double page.

A complete overview including technical data of all BEGA luminaire poles, anchorage units and sections, and connection boxes is given on pages 500 - 507.

Colour graphite or white

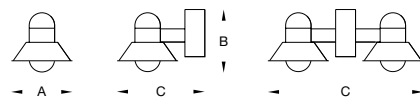
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Garden luminaires · **height 1200 mm**

	Lamp	Lumen		A	B	C	Anch. unit
9495	1 A 60 60 W	710	single	260	1200	370	895
9863	1 TC-T 18 W	1200	single	260	1200	370	895
9496	2 A 60 60 W	1420	double	260	1200	660	895
9864	2 TC-T 18 W	2400	double	260	1200	660	895



Pole-top luminaires · **for luminaire poles 2000 mm**

	Lamp	Lumen		A	B	C
9841	1 A 60 60 W	710	single	260	260	370
9881	1 TC-T 18 W	1200	single	260	260	370
9842	2 A 60 60 W	1420	double	260	260	660
9873	2 TC-T 18 W	2400	double	260	260	660

Luminaire poles

Height	Top	Pole	Group	Pole	Group
2000	Ø60	740	32	907	12
2000	Ø60	740	32	907	12
2000	Ø60	740	32	907	12
2000	Ø60	740	32	907	12

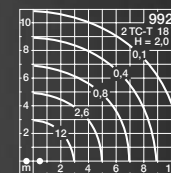
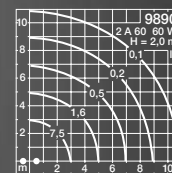
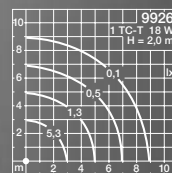
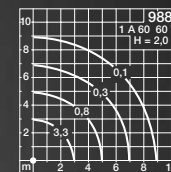
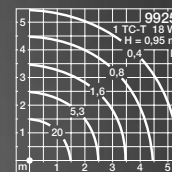
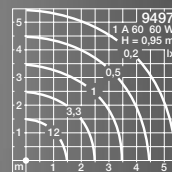
Garden luminaires or pole-top luminaires

Luminaires in two different heights providing shielded lighting for paths, steps and gardens.

We supply two types of these luminaires: as building element ready for installation with a total height of 1300 mm, or as pole-top luminaire for BEGA luminaire poles of height 2000 mm – see table. The luminaire poles must be ordered separately.

Safety socket outlets and switches can be installed in the poles on request – see page 506.

For wall luminaires whose shape and construction match the luminaires on this double page, see page 182.



Single and **double** garden luminaires or pole-top luminaires
for incandescent lamps and fluorescent lamps
Garden luminaires **height 1300 mm** or pole-top luminaires for pole **height 2000 mm**

Protection class IP 44

Die cast aluminium, aluminium and stainless steel · Three-ply opal glass

• **9497 · 9925** Garden luminaires · **height 1300 mm**

Cylindrical pole Ø 82 mm with base plate Ø 140 mm

Connection box 3x4[□] with terminals

These BEGA garden luminaires are bolted with a mounting plate to a foundation
supplied by the customer or to an anchorage unit made of galvanized steel.

Anchorage units are accessories and must be ordered separately.

• **9889 · 9926 · 9890 · 9927** Pole-top luminaires for luminaire poles **height 2000 mm**

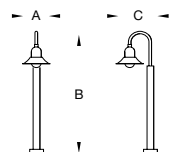
In the table, we recommend BEGA luminaire poles whose surface finish, colour,
design and static features match the pole-top luminaires on this double page.

A complete overview including technical data of all BEGA luminaire poles,
anchorage units and sections, and connection boxes is given on pages 500 - 507.

Colour graphite or white

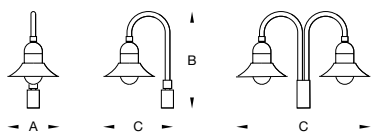
graphite – article number

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Garden luminaires · **height 1300 mm**

	Lamp	Lumen		A	B	C	Anch. unit
9497	1 A 60 60 W	710	single	320	1300	430	895
9925	1 TC-T 18 W	1200	single	320	1300	430	895



Pole-top luminaires · **for luminaire poles 2000 mm**

	Lamp	Lumen		A	B	C
9889	1 A 60 60 W	710	single	320	585	430
9926	1 TC-T 18 W	1200	single	320	585	430
9890	2 A 60 60 W	1420	double	320	620	820
9927	2 TC-T 18 W	2400	double	320	620	820

Luminaire poles

Height	Top	Pole	Group	Pole	Group
2000	Ø60	740	32	907	12
2000	Ø60	740	32	907	12
2000	Ø60	740	32	907	12
2000	Ø60	740	32	907	12

Garden luminaires or pole-top luminaires

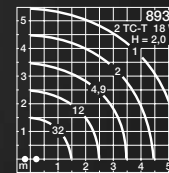
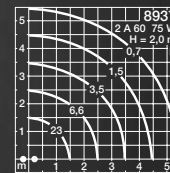
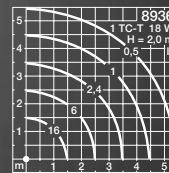
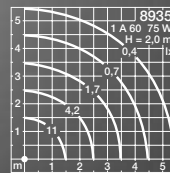
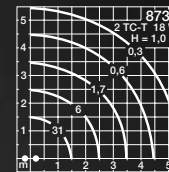
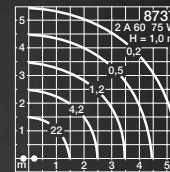
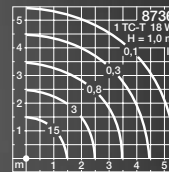
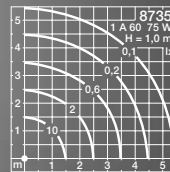
Luminaires in two different heights providing shielded lighting for paths, steps and gardens.

The luminaires, equipped with three-ply opal glass, primarily direct their light downwards. A small part of the light however exits upwards through the openings in the shade reflector and accentuates the shape of the luminaire at night.

We supply two types of these luminaires: as building element ready for installation with a total height of 1300 mm, or as pole-top luminaire for BEGA luminaire poles of height 2000 mm – see table. The luminaire poles must be ordered separately.

Luminaires of this type in triple configuration are also available.

Safety socket outlets and switches can be installed in the poles on request – see page 506.



Single and **double** garden luminaires or pole-top luminaires
for incandescent lamps and fluorescent lamps
Garden luminaires **height 1300 mm** or pole-top luminaires for luminaire poles
of **height 2000 mm**

Protection class IP 44

Die cast aluminium, aluminium and stainless steel · Three-ply opal glass

• **8735 · 8736 · 8737 · 8738** Garden luminaires · **height 1300 mm**

Cylindrical pole Ø 82 mm with base plate Ø 140 mm

Connection box 3x4[□] with terminals

These BEGA garden luminaires are bolted with a mounting plate to a foundation
supplied by the customer or to an anchorage unit made of galvanized steel.
Anchorage units are accessories and must be ordered separately.

• **8935 · 8936 · 8937 · 8939** Pole-top luminaires for luminaire poles of **height 2000 mm**

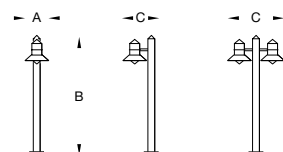
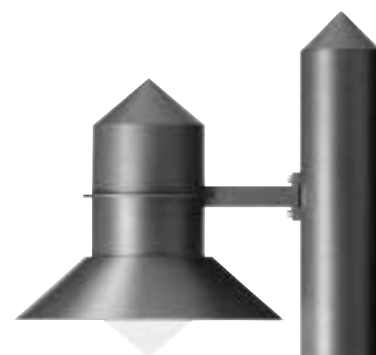
In the table, we recommend BEGA luminaire poles whose surface finish, colour, design
and static features match the side-mounted pole-top luminaires on this double page.

A complete overview including technical data of all BEGA luminaire poles, anchorage
units and sections, and connection boxes is given on pages 500 - 507.

Colour graphite or white

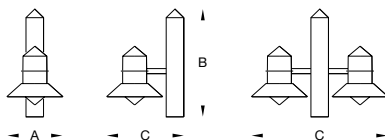
graphite – article number

white – article number + **W**



Garden luminaires · **height 1300 mm**

	Lamp	Lumen		A	B	C	Anch. unit
8735	1 A 60 75 W	935	single	260	1300	360	895
8736	1 TC-T 18 W	1200	single	260	1300	360	895
8737	2 A 60 75 W	1870	double	260	1300	640	895
8738	2 TC-T 18 W	2400	double	260	1300	640	895



Pole-top luminaires · **for luminaire poles 2000 mm**

	Lamp	Lumen		A	B	C
8935	1 A 60 75 W	935	single	260	630	360
8936	1 TC-T 18 W	1200	single	260	630	360
8937	2 A 60 75 W	1870	double	260	630	640
8939	2 TC-T 18 W	2400	double	260	630	640

Luminaire poles

Height	Top	Pole	Group	Pole	Group
2000	Ø60	740	32	907	12
2000	Ø60	740	32	907	12
2000	Ø60	740	32	907	12
2000	Ø60	740	32	907	12

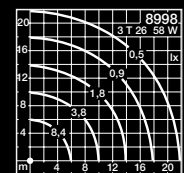
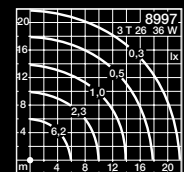
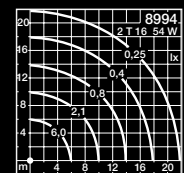
BEGA Light building element · unshielded

Light building elements are luminous design features for public areas. They are especially suitable for delineating and structuring outside areas. They can guide or direct pedestrians and traffic. The awareness level for these luminaires is markedly higher than for pole-top luminaires. Light building elements can harmonize with or even highlight the respective architectural structure.

The light building elements on this double page are unshielded with all-round light output. We supply these luminaires in three sizes to meet the different dimensions of their installation location.

Luminaire 8994 is operated with fluorescent lamps T16 and equipped with electronic ballasts. 28W or 54W lamps can be used in these luminaires.

They can also be supplied with a base plate on request. All technical data are given in the instructions for use for these luminaires. To special order, they are also available in Safety class II.



Light building elements for fluorescent lamps

Protection class IP 65

Die cast aluminium, aluminium and stainless steel

White plastic cylinder

8994 with electronic ballast

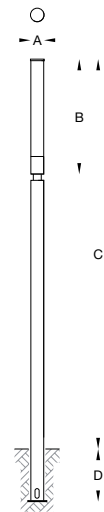
Door and connection box 632

Technical data of connection boxes, page 507

Colour graphite or silver

graphite – article number

silver – article number + **A**



	Lamp	Lumen	A	B	C	D
8994	2 T 16 28·54 W	8900	140	1400	4000	800
8997	3 T 26 36 W	10050	170	1600	5000	1000
8998	3 T 26 58 W	15600	220	2000	6500	1000

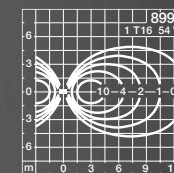
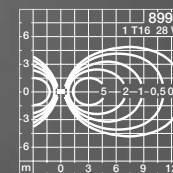
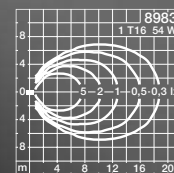
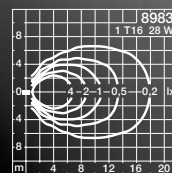


BEGA Light building element with single or double-sided light output

Light building elements are luminous design features for public areas. They are especially suitable for delineating and structuring outside areas. They can guide or direct pedestrians and traffic. The awareness level for these luminaires is markedly higher than for pole-top luminaires. Light building elements can harmonize with or even highlight the respective architectural structure.

The luminaires are operated with fluorescent lamps T 16 and equipped with electronic ballasts. Lamps with two different light wattages can be used. For bollards whose shape and construction match the luminaires on these double pages, see page 372.

All technical data are given in the instructions for use for these luminaires. To special order, they are also available in Safety class II.





single-sided

double-sided

Light building elements for fluorescent lamps
with **single-sided** or **double-sided** light output

Protection class IP 65

Die cast aluminium, aluminium and stainless steel

Safety glass with optical texture

Reflector of pure anodized aluminium

Electronic ballast

Door and connection box 632

Luminaires including anchorage unit made of galvanized steel.

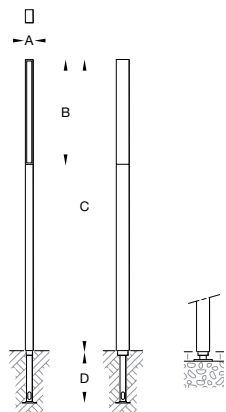
On request, we supply mounting base 833 for bolting to a foundation without extra charge.

Technical data of connection boxes, page 507

Colour graphite or silver

graphite – article number

silver – article number + **A**



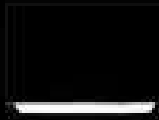
Single-sided light output

	Lamp	Lumen	A	B	C	D
8983	1 T 16 28·54 W	4450	95 x 155	1200	3500	800

Double-sided light output

	Lamp	Lumen	A	B	C	D
8993	1 T 16 28·54 W	4450	95 x 155	1200	3500	800



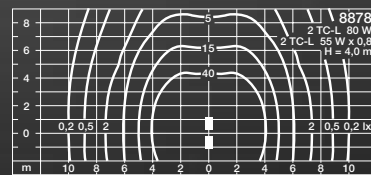
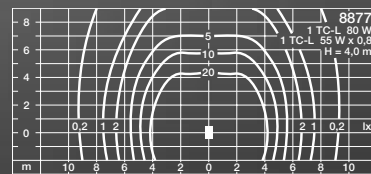


BEGA Light building element for fluorescent lamps

Light building elements are luminous design features for public areas. They are especially suitable for delineating and structuring outside areas. They can guide or direct pedestrians and traffic. The awareness level for these luminaires is markedly higher than for pole-top luminaires. Light building elements can harmonize with or even highlight the respective architectural structure.

The luminaires are equipped with electronic ballasts. 55 W or 80 W lamps can be used in these luminaires.

All technical data are given in the instructions for use for these luminaires. To special order, they are also available in Safety class II.





Single and **double** light building elements for fluorescent lamps

Protection class IP 65

Die cast aluminium, aluminium and stainless steel

Safety glass

Reflector of pure anodized aluminium

Electronic ballast

Adjustable slope angle 0° or 10°

Door and connection box 629

Luminaires including anchorage unit made of galvanized steel.

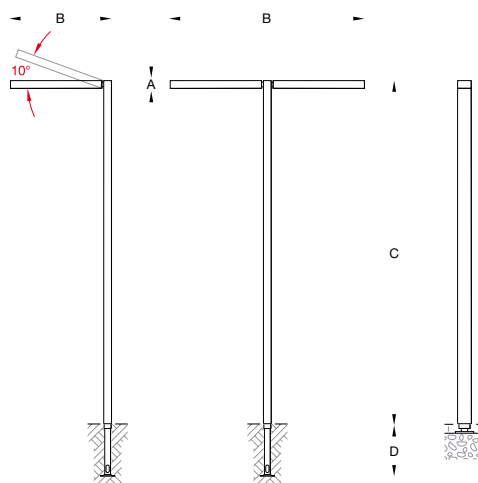
On request, we supply mounting base 833 for bolting to a foundation without extra charge.

Technical data of connection boxes, page 507

Colour graphite or silver

graphite – article number

silver – article number + **A**



Single light building element

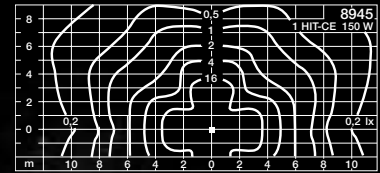
	Lamp	Lumen	A	B	C	D
8877	1 TC-L 55·80 W	6000	95x155	1100	4000	800

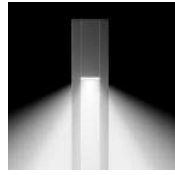
Double light building element

	Lamp	Lumen	A	B	C	D
8878	2 TC-L 55·80 W	12000	95x155	2100	4000	800

BEGA Light building element for discharge lamps

Light building elements are luminous design features for public areas. They are especially suitable for delineating and structuring outside areas. They can guide or direct pedestrians and traffic. The awareness level for these luminaires is markedly higher than for pole-top luminaires. Light building elements can harmonize with or even highlight the respective architectural structure. Luminaires with broad spread light distribution. The material thickness of the safety glass, which is visible in its entirety, increases the vertical illuminance emitted by the lateral light. For bollards whose shape and construction match the luminaires on this double page, see page 374. All technical data are given in the instructions for use for these luminaires. To special order, they are also available with other electrical equipment in Safety class II.





The entire material thickness of the partial matt safety glass of the BEGA light building element is visible.
The light exiting laterally produces broad spread light distribution and increases vertical illuminance.

Light building element for discharge lamps

Protection class IP 65

Die cast aluminium, aluminium and stainless steel

Safety glass

Reflector of pure anodized aluminium

Door and connection box 632

Luminaires including anchorage unit made of galvanized steel.

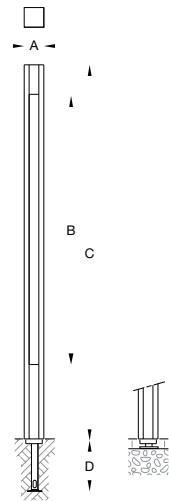
On request, we supply mounting base 829 for bolting to a foundation without extra charge.

Technical data of connection boxes, page 507

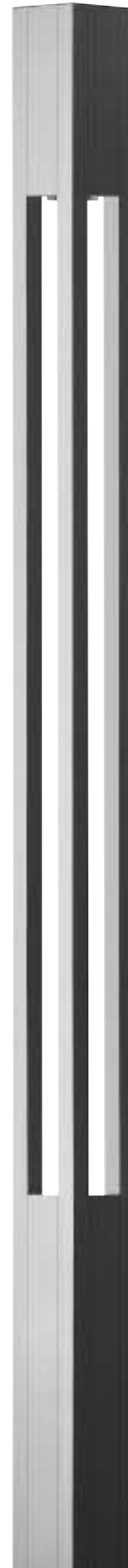
Colour graphite or silver

graphite – article number

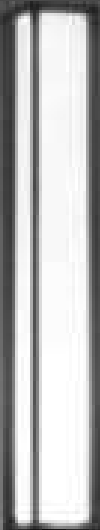
silver – article number + **A**



	Lamp	Lumen	A	B	C	D
8945	1 HIT-CE 150 W	15500	220x220	3250	4500	800



BEGA Light building element for fluorescent lamps

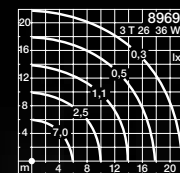
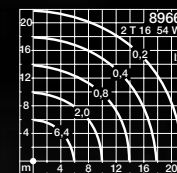


Light building elements are luminous design features for public areas. They are especially suitable for delineating and structuring outside areas. They can guide or direct pedestrians and traffic. The awareness level for these luminaires is markedly higher than for pole-top luminaires. Light building elements can harmonize with or even highlight the respective architectural structure.

The luminaires on this double page have a square layout and four-sided light output. Luminaire 8966 is operated with fluorescent lamps T16 and equipped with electronic ballasts. 28W or 54W lamps can be used in this luminaire.

All technical data are given in the instructions for use for these luminaires. To special order, they are also available in Safety class II.

Bollards whose shape and construction match the luminaires on this double page are given on page 372 – wall luminaires on page 160.



Light building elements for fluorescent lamps

Protection class IP 65

Die cast aluminium, aluminium and stainless steel

White plastic diffuser

Door and connection box 632

8966 with electronic ballast

Luminaires including anchorage unit made of galvanized steel.

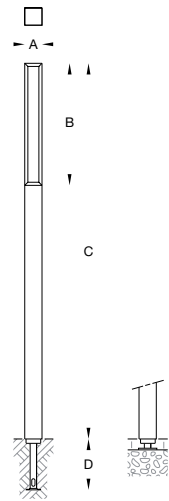
On request, we supply mounting base 819 for luminaire 8966 and mounting base 829 for luminaire 8969 for bolting to a foundation without extra charge.

Technical data of connection boxes, page 507

Colour graphite or silver

graphite – article number

silver – article number + **A**



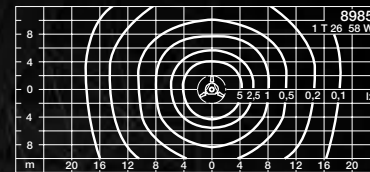
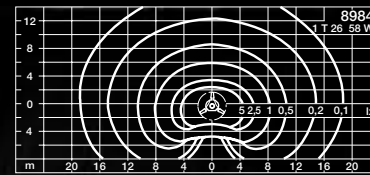
	Lamp	Lumen	A	B	C	D
8966	2 T 16 28 · 54 W	8900	160x160	1300	4000	800
8969	3 T 26 36 W	10050	220x220	1600	5000	800

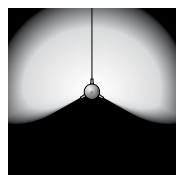


BEGA Light building element

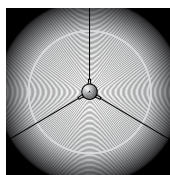


Light building elements are luminous design features for public areas. They are especially suitable for delineating and structuring outside areas. They can guide or direct pedestrians and traffic. The awareness level for these luminaires is markedly higher than for pole-top luminaires. Light building elements can harmonize with or even highlight the respective architectural structure. The light building elements on this double page are unshielded with two or three-sided light output. All technical data are given in the instructions for use for these luminaires. To special order, they are also available in Safety class II.





Light output 240°
two-sided



Light output 360°
three-sided

Light building elements for fluorescent lamps
with **two-sided** or **three-sided** light output

Protection class IP 44

Die cast aluminium, aluminium and stainless steel
White plastic cylinder

Door and connection box 632

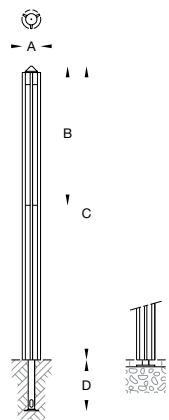
Luminaires including anchorage unit made of galvanized steel.
On request, we supply mounting base 827 for bolting to
a foundation without extra charge.

Technical data of connection boxes, page 507

Colour graphite or silver

graphite – article number

silver – article number + **A**



Two-sided light output

	Lamp	Lumen	A	B	C	D
8984	1 T 26 58 W	5200	250	1500	3500	750

Three-sided light output

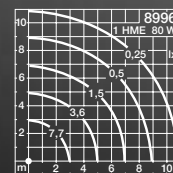
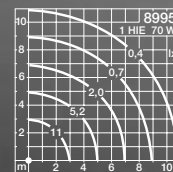
	Lamp	Lumen	A	B	C	D
8985	1 T 26 58 W	5200	250	1500	3500	750

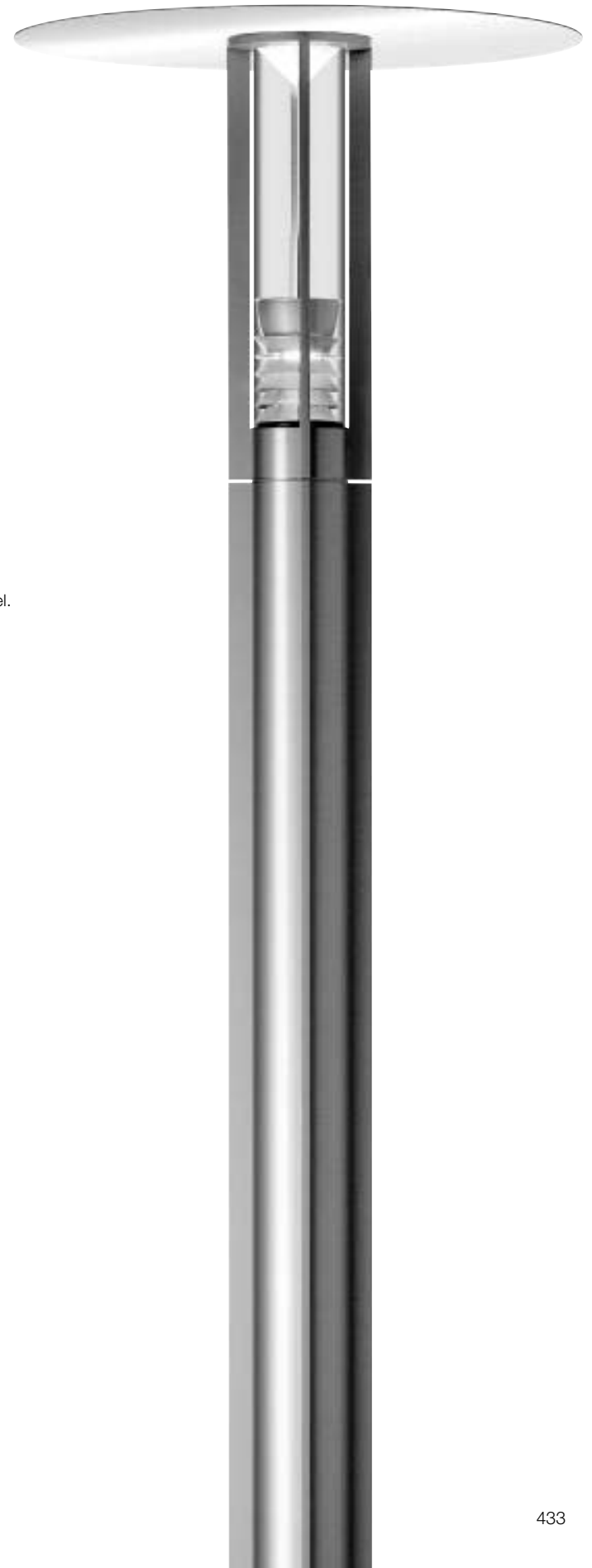




BEGA Light building element

Light building elements are luminous design features for public areas. They are especially suitable for delineating and structuring outside areas. They can guide or direct pedestrians and traffic. The awareness level for these luminaires is markedly higher than for pole-top luminaires. Light building elements can harmonize with or even highlight the respective architectural structure. The luminaires on this double page have rotationally symmetrical light distribution. Luminaires for indirect and direct light. A reflector system directs the main part of the light precisely upwards onto the top reflector which reflects the light indirectly onto the illuminated surface. These luminaires create a fascinating effect at night. They produce effective, highly uniform light with a high level of visual comfort. All technical data are given in the instructions for use for these luminaires. To special order, they are also available with other electrical equipment and in Safety class II.





Light building elements for discharge lamps

Protection class IP 65

Die cast aluminium, aluminium and stainless steel

Clear plastic cylinder

Reflector of pure anodized aluminium

Door and connection box 632

Luminaires including anchorage section are made of galvanized steel.

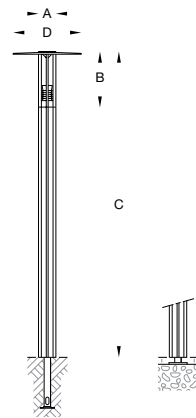
To special order, we supply mounting base 828 for bolting to a foundation without extra charge.

Technical data of connection boxes, page 507

Colour graphite or silver

graphite – article number

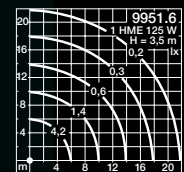
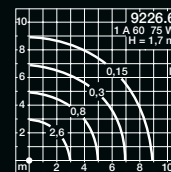
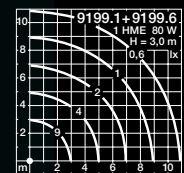
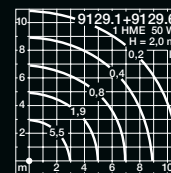
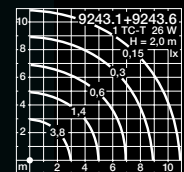
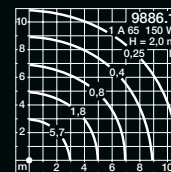
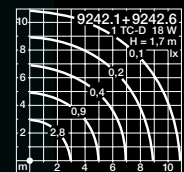
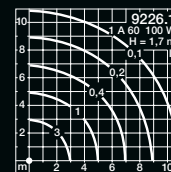
silver – article number + A

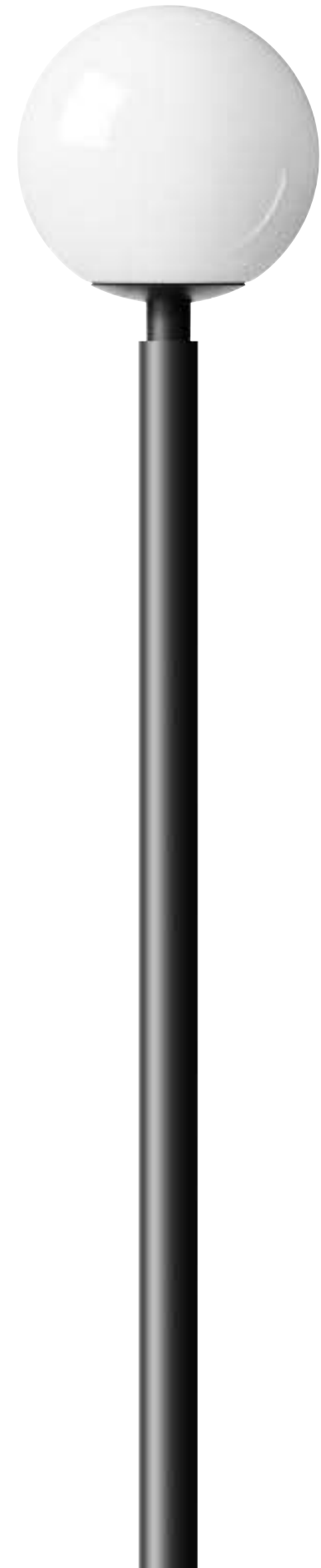


	Lamp	Lumen	A	B	C	D
8995	1 HIE 70 W	6400	230	720	4000	900
8996	1 HME 80 W	4000	230	720	4000	900

Unshielded pole-top luminaires
 Three-ply opal glass, crystal bubble glass or plastic
 Mounting heights 1700 - 4000 mm

Pole-top luminaires in four different sizes for different light outputs and mounting heights. Luminaires equipped with spheres, made either of hand-blown glass or plastic. In selecting glass or plastic, the advantages and disadvantages of the two materials should be considered. Glass is highly translucent, non-ageing, easy-to-clean and looks more brilliant. Unless wantonly destroyed, its life is unlimited. Plastic is impact-resistant but impact-resistance and translucency deteriorate over the course of time. It becomes soiled easier than glass. For this reason, we recommend glass for areas which are not particularly at risk.





Pole-top luminaires
for incandescent lamps, fluorescent lamps and discharge lamps

Protection class IP 44

Die cast aluminium and stainless steel

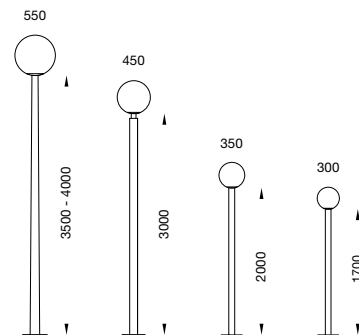
Three-ply opal glass, crystal bubble glass or plastic

Luminaires for discharge lamps in the materials crystal bubble glass and pearl plastic are equipped with a silver coloured louvred reflector.

In the table we recommend BEGA luminaire poles whose surface quality and colour as well as design and statics match the pole-top luminaires on this double page.

A complete overview and technical data of all BEGA luminaire poles, anchorage units and connection boxes are given on pages 500 - 507.

Colour graphite



Glass

Opal glass	Crystal bubble glass	Lamp		Lumen	Sphere
9226.1	9226.3	1 A 60	100 W	1340	∅ 300
9242.1	9242.3	1 TC-D	18 W	1200	∅ 300
9886.1	9886.3	1 A 65	150 W	2160	∅ 350
9243.1	9243.3	1 TC-T	26 W	1800	∅ 350
9129.1	9129.3	1 HME	50 W	2000	∅ 350
9199.1	9199.3	1 HME	80 W	4000	∅ 450

Luminaire poles

Height	Top	Pole	Group	Pole	Group
1700	∅ 48	938	31	992	11
1700	∅ 48	938	31	992	11
2000	∅ 60	943	31	994	11
2000	∅ 60	943	31	994	11
2000	∅ 60	943	31	994	11
3000	∅ 60	911	34	930	12

Plastic

White	Pearl	Lamp		Lumen	Sphere
9226.6	-	1 A 60	75 W	935	∅ 300
9242.6	-	1 TC-D	18 W	1200	∅ 300
9886.6	9886.8	1 A 60	100 W	1340	∅ 350
9243.6	9243.8	1 TC-T	26 W	1800	∅ 350
9129.6	9129.8	1 HME	50 W	2000	∅ 350
9199.6	9199.8	1 HME	80 W	4000	∅ 450
9951.6	9951.8	1 HME	80 · 125 W	6800	∅ 550

Luminaire poles

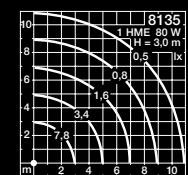
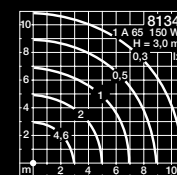
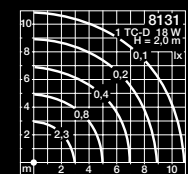
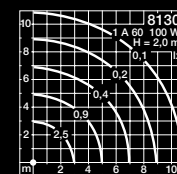
Height	Top	Pole	Group	Pole	Group
1700	∅ 48	938	31	992	11
1700	∅ 48	938	31	992	11
2000	∅ 60	943	31	994	11
2000	∅ 60	943	31	994	11
2000	∅ 60	943	31	994	11
3000	∅ 60	911	34	930	12
4000	∅ 76	914	34	733	12

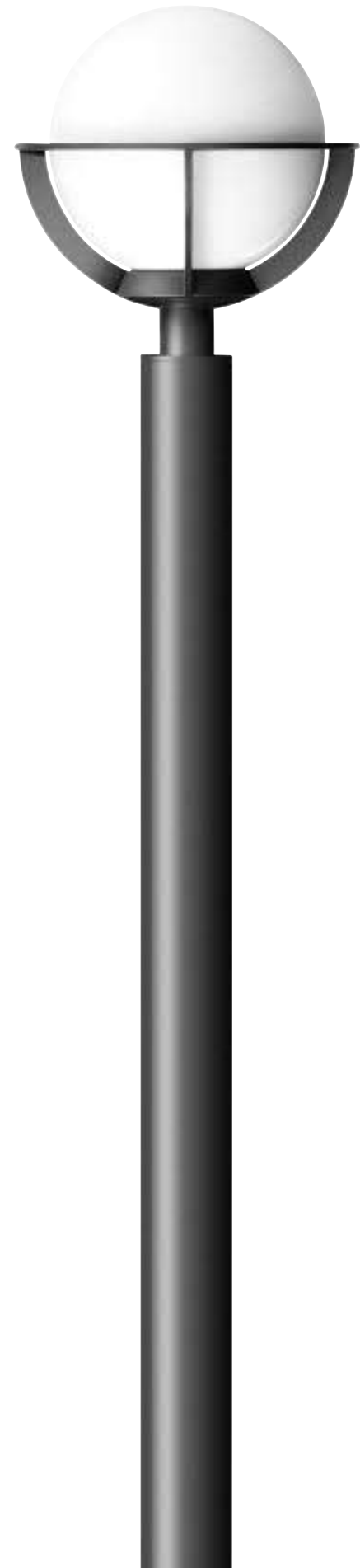
Unshielded pole-top luminaires
Mounting heights 2000 - 3500 mm

Pole-top luminaires in two sizes for different light outputs and mounting heights.
Unshielded luminaires with rotationally symmetrical light distribution.
They provide soft, uniformly widespread light for private and public areas.
These luminaires are designed to illuminate gardens, parks, car parks and driveways.



Wall luminaires
page 166





Pole-top luminaires
for incandescent lamps, fluorescent lamps und discharge lamps

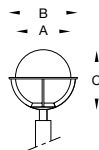
Protection class IP 44

Die cast aluminium and stainless steel

Three-ply opal glass

In the table we recommend BEGA luminaire poles whose surface quality and colour as well as design and statics match the pole-top luminaires on this double page.
A complete overview and technical data of all BEGA luminaire poles, anchorage units and connection boxes are given on pages 500 - 507.

Colour graphite



Pole-top luminaires

	Lamp		Lumen	A	B	C
8130	1 A 60	100 W	1340	300	375	330
8131	1 TC-D	18 W	1200	300	375	330
8134	1 A 65	150 W	2160	450	580	495
8135	1 HME	80 W	4000	450	580	495

Luminaire poles

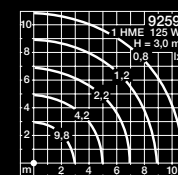
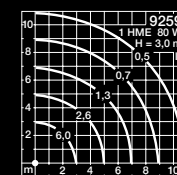
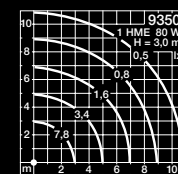
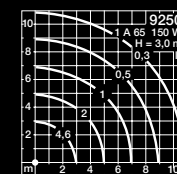
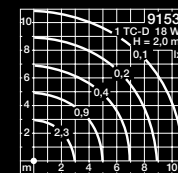
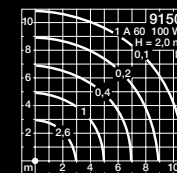
Height	Top	Pole	Group	Pole	Group
2000	∅ 60	740	32	908	12
2000	∅ 60	740	32	908	12
3500	∅ 76	906	32	732	12
3500	∅ 76	906	32	732	12

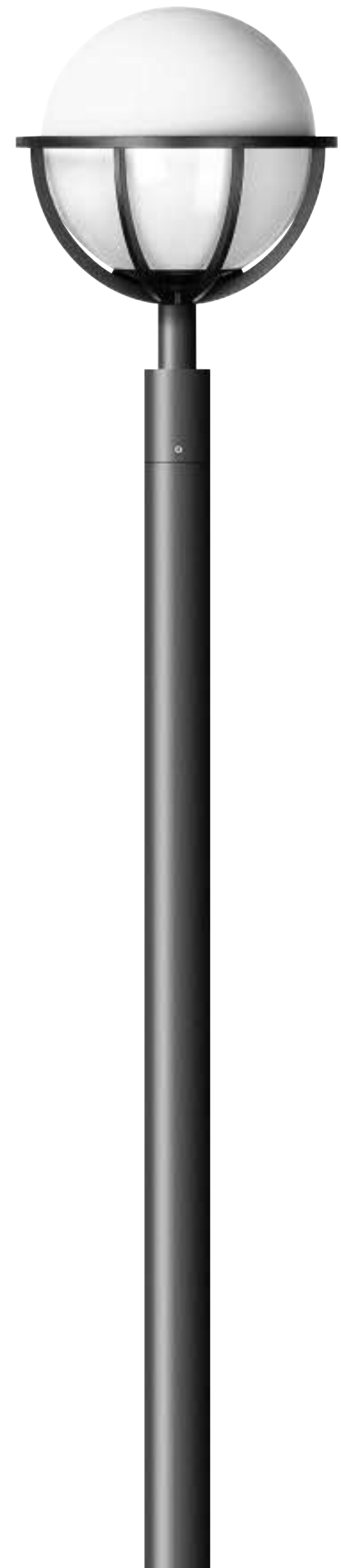
Unshielded pole-top luminaires
 Mounting heights 2000 - 3500 mm

Pole-top luminaires in three sizes for different light outputs and mounting heights.
 Luminaires with spheres made of hand-blown glass or plastic.
 Unshielded luminaires with rotationally symmetrical light distribution.
 They provide soft, uniformly widespread light for private and public areas.
 These luminaires are designed to illuminate parks, forecourts and traffic calmed zones.



Wall luminaires
 page 164





Pole-top luminaires
for incandescent lamps, fluorescent lamps and discharge lamps

Protection class IP 44

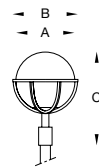
Die cast aluminium and stainless steel

Three-ply opal glass or white plastic

In the table we recommend BEGA luminaire poles whose surface quality and colour as well as design and statics match the pole-top luminaires on this double page.

A complete overview and technical data of all BEGA luminaire poles, anchorage units and connection boxes are given on pages 500 - 507.

Colour graphite



Opal glass					
	Lamp	Lumen	A	B	C
9150	1 A 60 100 W	1340	300	350	490
9153	1 TC-D 18 W	1200	300	350	490

Luminaire poles					
Height	Top	Pole	Group	Pole	Group
2000	∅ 60	740	32	907	12
2000	∅ 60	740	32	907	12

White plastic					
	Lamp	Lumen	A	B	C
9250	1 A 65 150 W	2160	400	450	590
9350	1 HME 80 W	4000	400	450	590
9259	1 HME 80·125 W	6800	500	550	720

Luminaire poles					
Height	Top	Pole	Group	Pole	Group
3000	∅ 60	911	34	986	14
3000	∅ 60	911	34	986	14
3500	∅ 76	913	34	789	14

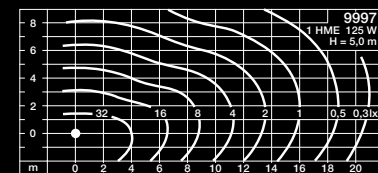
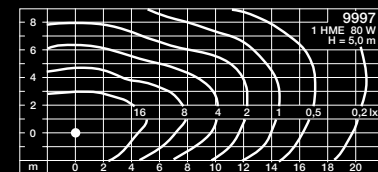
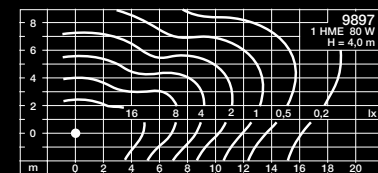
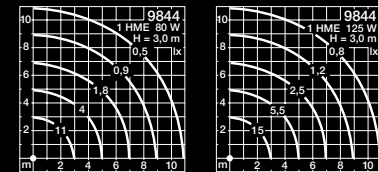
Luminaires with **symmetrical** or **asymmetrical** light distribution
Mounting heights 3000 - 5000 mm

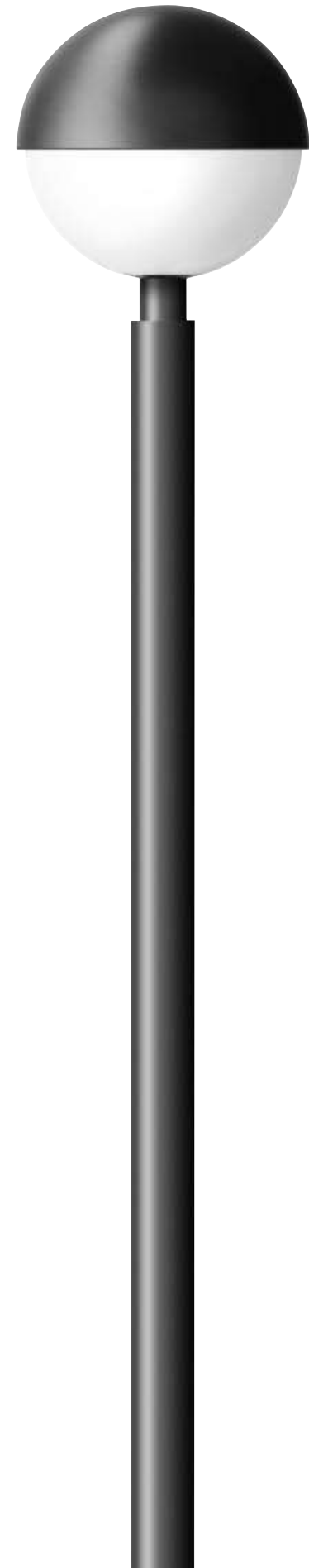
A group of spherical luminaires shielded to the top and designed to light squares, driveways and urban streets. Pole-top luminaires with rotationally symmetrical light distribution to illuminate the surface below the luminaires uniformly, and matching side-mounted pole-top luminaires with asymmetrical reflectors to illuminate surfaces in front of the luminaires.

Side-mounted pole-top luminaires in this series can also be mounted at a pole in double or triple configuration.

When ordering the luminaires, please state the luminaire configuration. The poles will then be supplied ready for installation and fitted with the required holes.

To special order, these luminaires are also available with other electrical equipment and in Safety class II.





Pole-top luminaires with **symmetrical** light distribution and side-mounted pole-top luminaires with **asymmetrical** light distribution for discharge lamps

Protection class IP 44

Die cast aluminium, aluminium and stainless steel

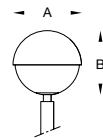
White plastic diffuser or clear plastic diffuser with optical texture

Reflector of pure anodized aluminium

9897 · 9997 Slope angle 0°-12° adjustable

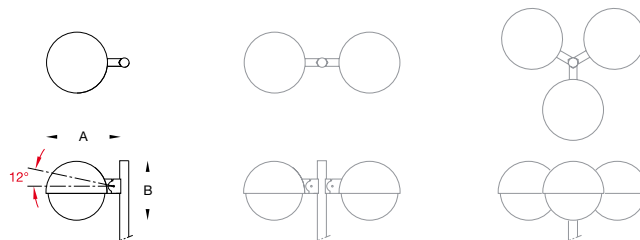
In the table we recommend BEGA luminaire poles whose surface quality and colour as well as design and statics match the pole-top luminaires on this double page. A complete overview and technical data of all BEGA luminaire poles, anchorage units and connection boxes are given on pages 500 - 507.

Colour graphite or silver
 graphite – article number
 silver – article number + **A**



Pole-top luminaires · symmetrical				
	Lamp	Lumen	A	B
9844	1 HME 80 · 125 W	6800	500	470

Luminaire poles			
Height	Top	Pole	Group
3000	∅ 82	909	32



Side-mounted pole-top luminaires · asymmetrical				
	Lamp	Lumen	A	B
9897	1 HME 80 W	4000	420	350
9997	1 HME 80 · 125 W	6800	610	500

Luminaire poles			
Height	Top	Pole	Group
3500-4000	∅ 76	913 · 914	34
4000-5000	∅ 76	914 · 915	34

Unshielded pole-top luminaires
 Mounting heights 2000 - 4000 mm

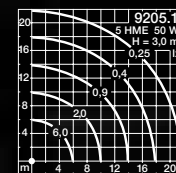
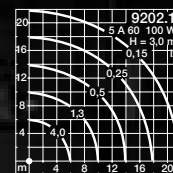
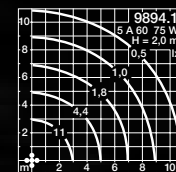
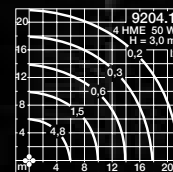
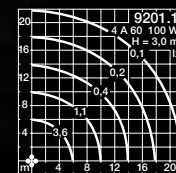
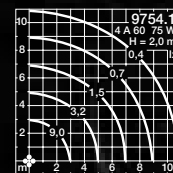
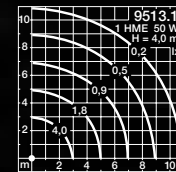
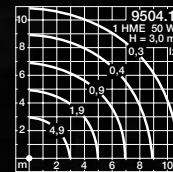
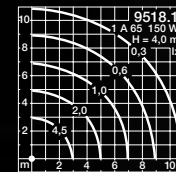
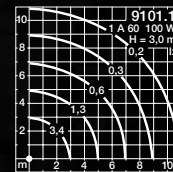
Pole-top luminaires with rotationally symmetrical light distribution. They are available in diverse sizes, light outputs and sphere material. These luminaires are designed to illuminate driveways, forecourts and all areas requiring distinctive and expressive lighting.



Opal glass -1
 White plastic -6



Crystal bubble glass -3
 Pearl plastic -8



Pole-top luminaires for incandescent lamps and discharge lamps

Protection class IP 44

Die cast aluminium, aluminium and stainless steel · Three-ply opal glass

The spheres are also available in other types of glass and plastic.

Please change the fifth digit of the article number when ordering.

-.6 white plastic, -.3 crystal bubble glass, -.8 pearl plastic

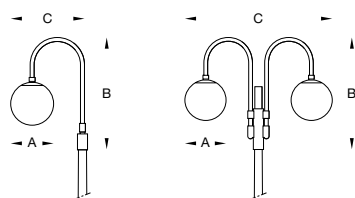
9754 · 9894 only available in -.1, -.3, -.6.

The luminaires for discharge lamps in the materials crystal bubble glass and pearl plastic are equipped with a silver coloured louvred reflector.

In the table we recommend BEGA luminaire poles whose surface quality and colour as well as design and statics match the pole-top luminaires on this double page.

A complete overview and technical data of all BEGA luminaire poles, anchorage units and connection boxes are given on pages 500 - 507.

Colour graphite



Single pole-top luminaires · Opal glass

Lamp	Lumen	A	B	C
9101.1 1 A 60 100 W	1340	350	945	585
9518.1 1 A 65 150 W	2160	450	1080	750
9504.1 1 HME 50 W	2000	350	945	585
9513.1 1 HME 50 W	2000	450	1080	750

Luminaire poles

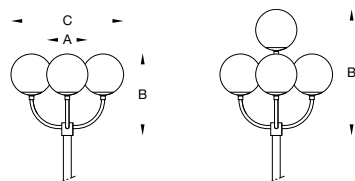
Height	Top	Pole	Group
3000-4000	∅ 60	911 · 724	34
3000-4000	∅ 76	918 · 914	34
3000-4000	∅ 60	911 · 724	34
3000-4000	∅ 76	918 · 914	34

Double pole-top luminaires · Opal glass

Lamp	Lumen	A	B	C
9318.1 2 A 60 100 W	2680	350	960	1240
9103.1 2 A 65 150 W	4320	450	1080	1440
9319.1 2 HME 50 W	4000	350	960	1240
9108.1 2 HME 50 W	4000	450	1080	1440

Luminaire poles

Height	Top	Pole	Group
3000-4000	∅ 60	911 · 724	34
3000-4000	∅ 76	918 · 914	34
3000-4000	∅ 60	911 · 724	34
3000-4000	∅ 76	918 · 914	34



Quadruple pole-top luminaires · Opal glass

Lamp	Lumen	A	B	C
9754.1 4 A 60 75 W	3740	250	570	680
9201.1 4 A 60 100 W	5360	350	725	985
9204.1 4 HME 50 W	8000	350	725	985

Luminaire poles

Height	Top	Pole	Group
2000-2500	∅ 60	740 · 741	32
3000-3500	∅ 100	958 · 959	31
3000-3500	∅ 100	958 · 959	31

Quintuple pole-top luminaires · Opal glass

Lamp	Lumen	A	B	C
9894.1 5 A 60 75 W	4675	250	765	680
9202.1 5 A 60 100 W	6700	350	1080	985
9205.1 5 HME 50 W	10000	350	1080	985

Luminaire poles

Height	Top	Pole	Group
2000-2500	∅ 60	740 · 741	32
3000-3500	∅ 100	958 · 959	31
3000-3500	∅ 100	958 · 959	31



Pole-top luminaires with asymmetrical light distribution
 Mounting heights 3500 - 6000 mm

Luminaires with asymmetrical light distribution, available in diverse sizes and light outputs to illuminate squares, driveways and urban streets.

The optical system allows the luminaires to be rotated infinitely around the vertical axis 360°, and therefore the light distribution to be precisely adjusted onto the illuminated surface.

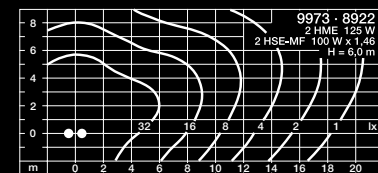
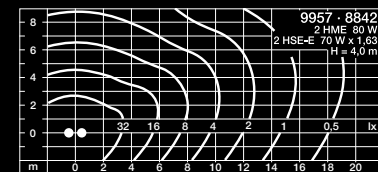
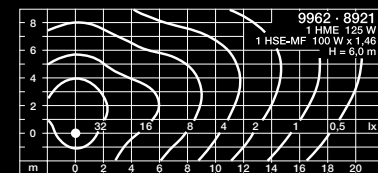
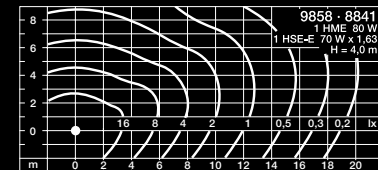
These pole-top luminaires are ready for installation in single or double configuration.

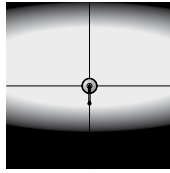
Luminaires of this type can be supplied in triple configuration too.

To special order, these luminaires are also available with other electrical equipment and in Safety class II.



Wall luminaires
 page 234





asymmetrical

Single and **double** pole-top luminaires
with asymmetrical light distribution
for discharge lamps

Protection class IP 44

Die cast aluminium, aluminium and stainless steel

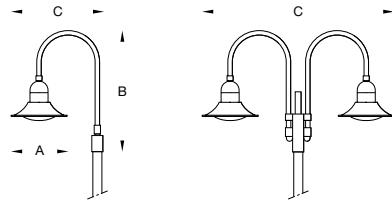
Plastic diffuser with optical texture

Reflector of pure anodized aluminium

In the table we recommend BEGA luminaire poles whose surface quality and colour
as well as design and statics match the pole-top luminaires on this double page.

A complete overview and technical data of all BEGA luminaire poles, anchorage units
and connection boxes are given on pages 500 - 507.

Colour graphite



Single pole-top luminaires

Lamp	Lumen	A	B	C
9858 1 HME 80 W	4000	500	1100	770
8841 1 HSE-E 50·70 W	5600	500	1100	770
8841 1 HIE-CE/S 70 W	5900	500	1100	770
9962 1 HME 80·125 W	6800	675	1250	960
8921 1 HIE-CE/S 100 W	8300	675	1250	960
8921 1 HSE-MF 100 W	10200	675	1250	960

Luminaire poles

Height	Top	Pole	Group	Pole	Group
3500 - 4000	∅ 76	913·914	34	927·928	15
3500 - 4000	∅ 76	913·914	34	927·928	15
3500 - 4000	∅ 76	913·914	34	927·928	15
4500 - 6000	∅ 76	725·915·916	34	928·926	15
4500 - 6000	∅ 76	725·915·916	34	928·926	15
4500 - 6000	∅ 76	725·915·916	34	928·926	15

Double pole-top luminaires

Lamp	Lumen	A	B	C
9957 2 HME 80 W	8000	500	1150	1470
8842 2 HSE-E 50·70 W	11200	500	1150	1470
8842 2 HIE-CE/S 70 W	11800	500	1150	1470
9973 2 HME 80·125 W	13600	675	1280	1850
8922 2 HIE-CE/S 100 W	16600	675	1280	1850
8922 2 HSE-MF 100 W	20400	675	1280	1850

Luminaire poles

Height	Top	Pole	Group	Pole	Group
3500 - 4000	∅ 76	913·914	34	927·928	15
3500 - 4000	∅ 76	913·914	34	927·928	15
3500 - 4000	∅ 76	913·914	34	927·928	15
4500 - 6000	∅ 76	725·915·916	34	928·926	15
4500 - 6000	∅ 76	725·915·916	34	928·926	15
4500 - 6000	∅ 76	725·915·916	34	928·926	15

Pole-top luminaires with **symmetrical** or **asymmetrical** light distribution
Mounting heights 4000 - 6000 mm

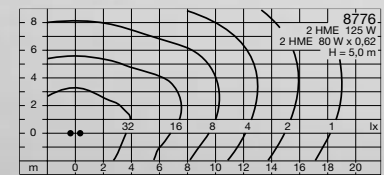
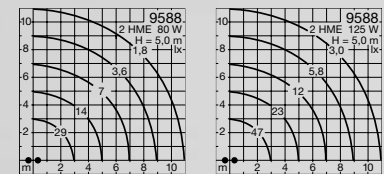
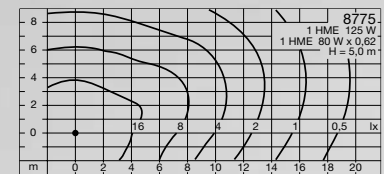
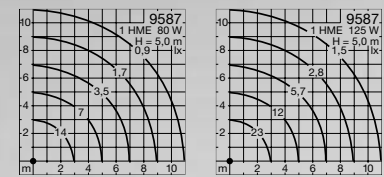
Luminaires with symmetrical or asymmetrical light distribution, designed to illuminate squares, pedestrian zones and urban streets.

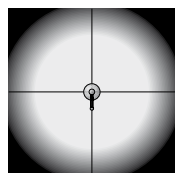
The optical system allows the luminaires to be rotated infinitely around the vertical axis 360°, and therefore the light distribution to be precisely adjusted onto the illuminated surface.

Pole-top luminaires ready for installation in single or double configuration. Luminaires of this type can be supplied in triple configuration too.

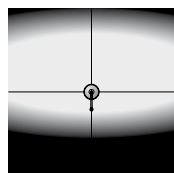
Luminaires 9587 · 9588 are available on request with a white plastic diffuser.

To special order, these luminaires are also available with other electrical equipment and in Safety class II.





symmetrical



asymmetrical



Single and **double** pole-top luminaires for discharge lamps with **symmetrical** or **asymmetrical** light distribution

Protection class IP 44

Die cast aluminium, aluminium and stainless steel

9587 · 9588 Three-ply opal glass

8775 · 8776 Pearl plastic

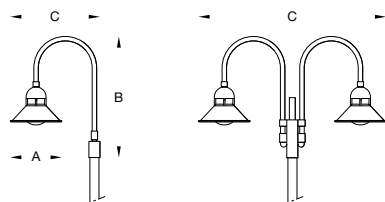
Reflector of pure anodized aluminium

White plastic diffusers can be supplied instead of three-ply opal glass but the luminaires can then only be operated at minimum wattage.

In the table we recommend BEGA luminaire poles whose surface quality and colour as well as design and statics match the pole-top luminaires on this double page.

A complete overview and technical data of all BEGA luminaire poles, anchorage units and connection boxes are given on pages 500 - 507.

Colour graphite



Single pole-top luminaires

Lamp	Lumen		A	B	C
9587 1 HME 80·125 W	6800	symmetrical	550	1250	900
8775 1 HME 80·125 W	6800	asymmetrical	550	1250	900

Luminaire poles

Height	Top	Pole	Group	Pole	Group
4000 - 6000	Ø 76	914 · 915 · 916	34	927 · 928 · 926	15
4000 - 6000	Ø 76	914 · 915 · 916	34	927 · 928 · 926	15

Double pole-top luminaires

Lamp	Lumen		A	B	C
9588 2 HME 80·125 W	13600	symmetrical	550	1300	1720
8776 2 HME 80·125 W	13600	asymmetrical	550	1300	1720

Luminaire poles

Height	Top	Pole	Group	Pole	Group
4000 - 6000	Ø 76	914 · 915 · 916	34	927 · 928 · 926	15
4000 - 6000	Ø 76	914 · 915 · 916	34	927 · 928 · 926	15

Pole-top luminaires with symmetrical light distribution
 Mounting heights 3500 - 6000 mm

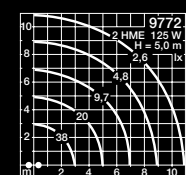
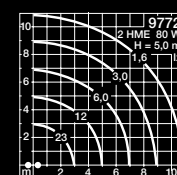
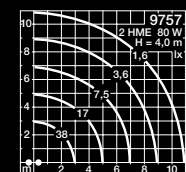
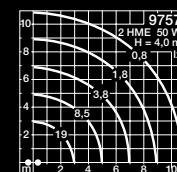
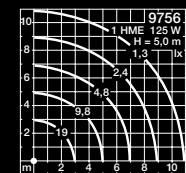
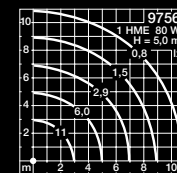
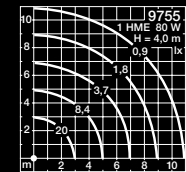
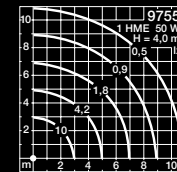
Luminaires with symmetrical light distribution in diverse sizes and light outputs to illuminate squares, driveways and traffic calmed zones. Pole-top luminaires with three-ply opal glass and top reflector. White plastic diffusers can be supplied instead of three-ply opal glass but the luminaires can then only be operated at minimum wattage.

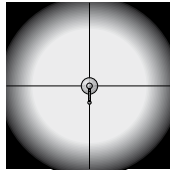
Pole-top luminaires ready for installation in single or double configuration. Luminaires of this type can be supplied in triple configuration too.

To special order, these luminaires are also available with other electrical equipment and in Safety class II.



Wall luminaires
 page 182





symmetrical

Single and **double** pole-top luminaires
with symmetrical light distribution
for discharge lamps

Protection class IP 44

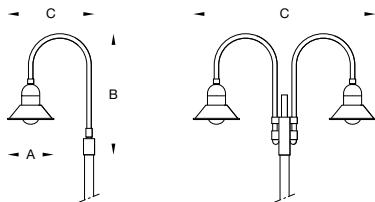
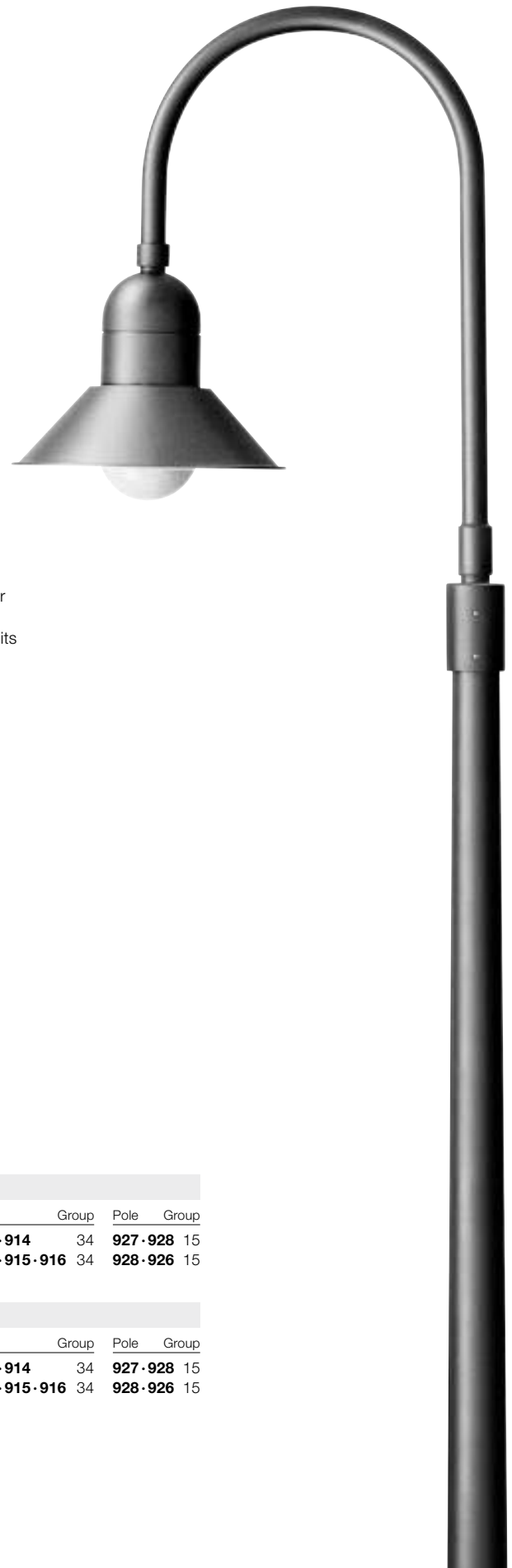
Die cast aluminium, aluminium and stainless steel

Three-ply opal glass

In the table we recommend BEGA luminaire poles whose surface quality and colour as well as design and statics match the pole-top luminaires on this double page.

A complete overview and technical data of all BEGA luminaire poles, anchorage units and connection boxes are given on pages 500 - 507.

Colour graphite



Single pole-top luminaires

	Lamp	Lumen	A	B	C
9755	1 HME 50·80 W	4000	450	1100	745
9756	1 HME 80·125 W	6800	600	1250	920

Luminaire poles

Height	Top	Pole	Group	Pole	Group
3500-4000	∅ 76	913·914	34	927·928	15
4500-6000	∅ 76	725·915·916	34	928·926	15

Double pole-top luminaires

	Lamp	Lumen	A	B	C
9757	2 HME 50·80 W	8000	450	1150	1410
9772	2 HME 80·125 W	13600	600	1300	1770

Luminaire poles

Height	Top	Pole	Group	Pole	Group
3500-4000	∅ 76	913·914	34	927·928	15
4500-6000	∅ 76	725·915·916	34	928·926	15



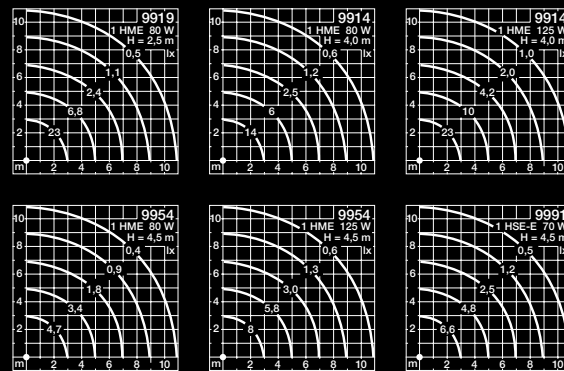
Pole-top luminaires with rotationally symmetrical light distribution Mounting heights 2500 - 5000 mm

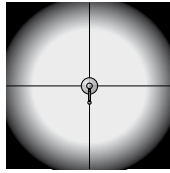
Luminaires with symmetrical light distribution. They are designed to illuminate parks, pedestrian areas and traffic calmed zones.

Luminaires 9954 and 9991 have an additional upper light output. The part of the light which is not directed downwards through the louvred reflectors and top reflector exits through prisms via the upper light output. The top reflector is illuminated from the top and the immediate surroundings e.g. the tops of adjacent trees are illuminated as well.

This makes the shape of the luminaire visible even at night.

To special order, these luminaires are also available with other electrical equipment and in Safety class II.





symmetrical

Pole-top luminaires with symmetrical light distribution shielded or with additional upper light output for discharge lamps

Protection class IP 44

Die cast aluminium, aluminium and stainless steel

Three-ply opal glass

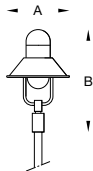
9954 · 9991 Inside white louvred reflectors

Crystal glass with optical texture

In the table we recommend BEGA luminaire poles whose surface quality and colour as well as design and statics match the pole-top luminaires on this double page.

A complete overview and technical data of all BEGA luminaire poles, anchorage units and connection boxes are given on pages 500 - 507.

Colour graphite

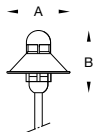


Pole-top luminaires

	Lamp		Lumen	A	B
9919	1 HME	50 · 80 W	4000	450	675
9914	1 HME	80 · 125 W	6800	600	920

Luminaire poles

Height	Top	Pole	Group
2500 - 3000	∅ 60	910 · 911	34
3500 - 4000	∅ 76	913 · 914	34



Pole-top luminaires · with additional light output

	Lamp		Lumen	A	B
9954	1 HME	80 · 125 W	6800	550	570
9991	1 HSE-E	70 W	5600	550	570
9991	1 HIE-CE/S	70 W	5900	550	570

Luminaire poles

Height	Top	Pole	Group
3500 - 5000	∅ 76	913 · 914 · 915	34
3500 - 5000	∅ 76	913 · 914 · 915	34
3500 - 5000	∅ 76	913 · 914 · 915	34

Pole-top luminaires with **symmetrical** or **asymmetrical** light distribution
Mounting heights 4000 - 5000 mm

Luminaires with symmetrical or asymmetrical light distribution to illuminate squares, pedestrian zones and urban streets.

Their optical system allows these luminaires to be rotated infinitely around the vertical axis 360°, and therefore the light distribution to be adjusted precisely onto the illuminated surface.

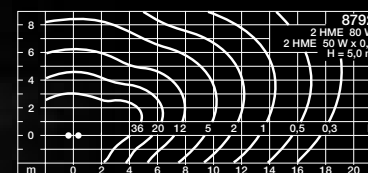
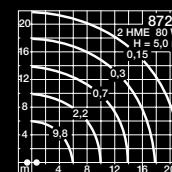
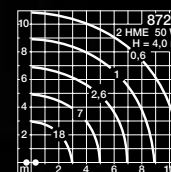
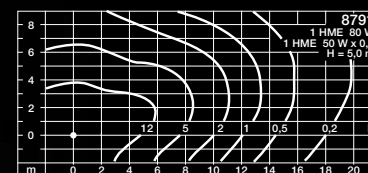
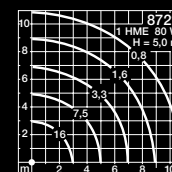
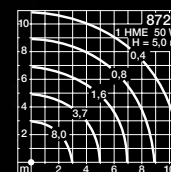
Pole-top luminaires ready for installation in single or double configuration. Luminaires of this type can be supplied in triple configuration too.

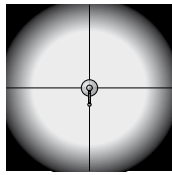
Luminaires 8721 · 8722 are available on request with a white plastic diffuser.

To special order, these luminaires are also available with other electrical equipment and in Safety class II.

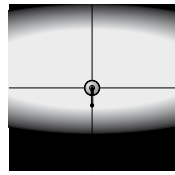


Wall luminaires
page 178

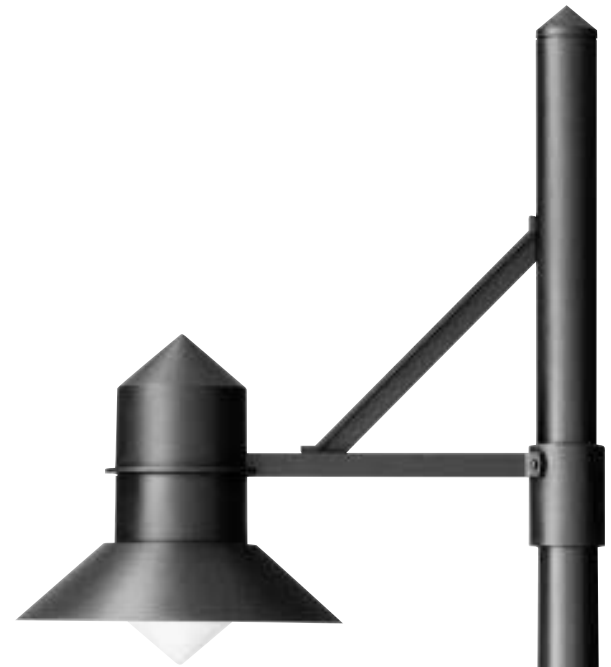




symmetrical



asymmetrical



Single and **double** pole-top luminaires
with **symmetrical** or **asymmetrical** light distribution
for discharge lamps

Protection class IP 44

Die cast aluminium, aluminium and stainless steel

8721 · 8722 Symmetrical light distribution · Opal glass

White plastic diffusers can be supplied instead of three-ply opal glass but
the luminaires can then only be operated at minimum wattage.

8791 · 8792 Asymmetrical light distribution · Clear pearl plastic

Reflector of pure anodized aluminium

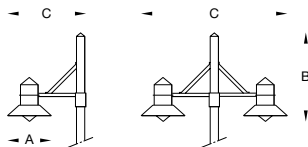
In the table we recommend BEGA luminaire poles whose surface quality and colour
as well as design and statics match the pole-top luminaires on this double page.

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and connection boxes are given on pages 500 - 507.

Colour graphite or silver

graphite – article number

silver – article number + **A**



Single pole-top luminaires

Lamp	Lumen		A	B	C
8721 1 HME 50·80 W	4000	symmetrical	400	800	670
8791 1 HME 50·80 W	4000	asymmetrisch	460	825	700

Luminaire poles

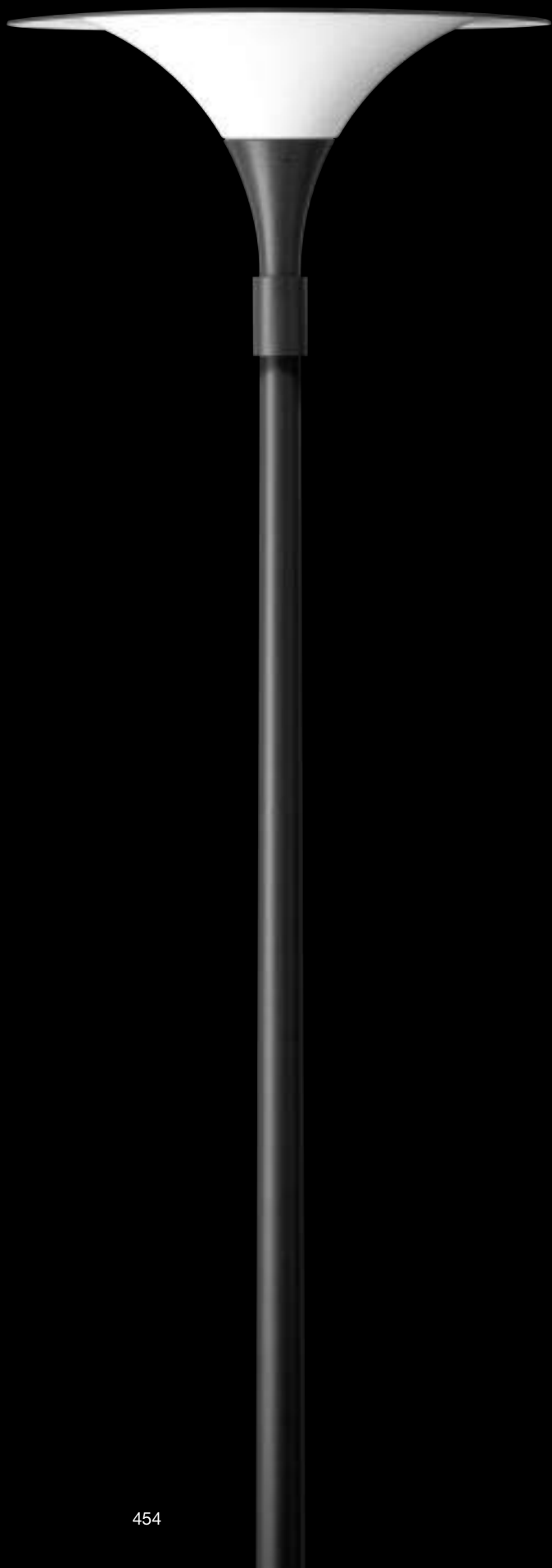
Height	Top	Pole	Group	Pole	Group
4000 - 5000	∅ 76	914 · 915	34	791 · 794	14
4000 - 5000	∅ 76	914 · 915	34	791 · 794	14

Double pole-top luminaires

Lamp	Lumen		A	B	C
8722 2 HME 50·80 W	8000	symmetrical	400	800	1340
8792 2 HME 50·80 W	8000	asymmetrisch	460	825	1400

Luminaire poles

Height	Top	Pole	Group	Pole	Group
4000 - 5000	∅ 76	914 · 915	34	791 · 794	14
4000 - 5000	∅ 76	914 · 915	34	791 · 794	14



Pole-top luminaires with rotationally symmetrical light distribution
Mounting heights 3000 - 5000 mm

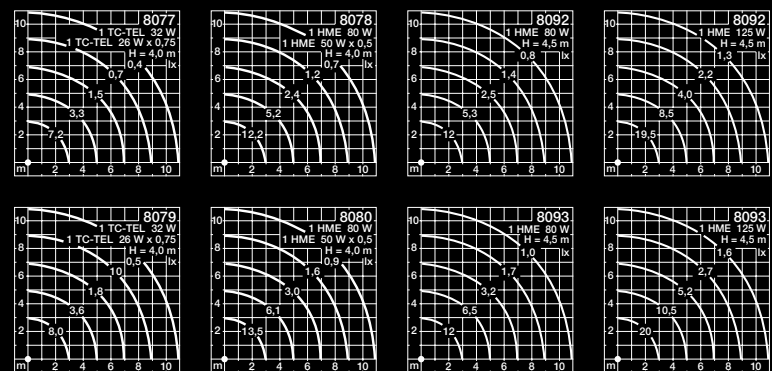
Pole-top luminaires in two sizes for different light outputs and mounting heights.

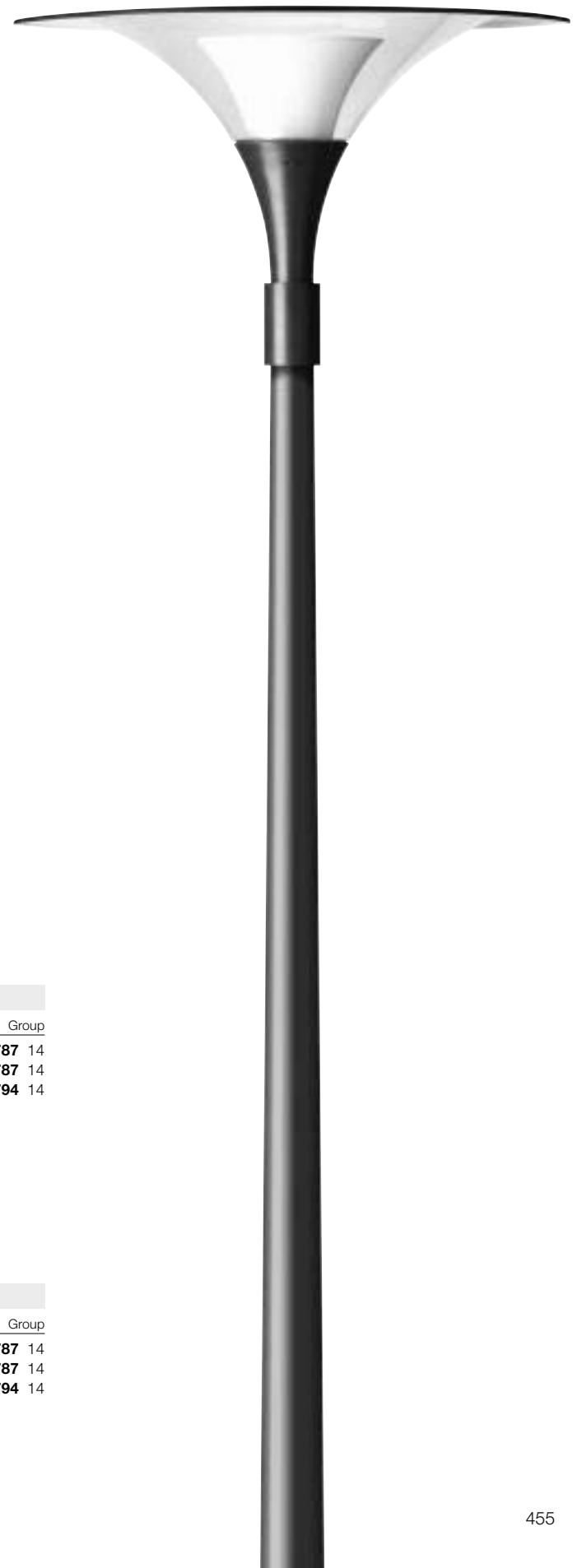
Luminaires with rotationally symmetrical light distribution to illuminate squares, driveways and traffic calmed zones. They are equipped with a white light-diffusing plastic cover or with a clear cover and inside glass diffuser. The diffuser suppresses the glare from the lamp and at the same time directs it under the inside of the top surface.

Luminaires with both wide beam direct light and soft indirect light. These luminaires provide very uniform light and a high level of visual comfort.

The luminaires for fluorescent lamps TC-TEL are equipped with electronic ballasts. 26 · 32 W lamps can be used in these luminaires.

To special order, these luminaires are also available with other electrical equipment and in Safety class II.





Pole-top luminaires
for fluorescent lamps and discharge lamps

Protection class IP 65

Die cast aluminium, aluminium and stainless steel

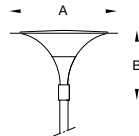
White plastic cover or
clear plastic cover and inside glass diffuser

8077 · 8079 with electronic ballast

In the table we recommend BEGA luminaire poles whose surface quality and colour as well as design and statics match the pole-top luminaires on this double page.

A complete overview and technical data of all BEGA luminaire poles, anchorage units and connection boxes are given on pages 500 - 507.

Colour graphite

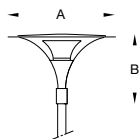


Pole-top luminaires · white plastic cover

Lamp	Lumen	A	B
8077 1 TC-TEL 32 W	2400	750	515
8078 1 HME 50·80 W	4000	750	515
8092 1 HME 80·125 W	6800	1000	660

Luminaire poles

Height	Top	Pole	Group	Pole	Group
3000-4000	∅ 60	911·724	34	986·787	14
3000-4000	∅ 60	911·724	34	986·787	14
4000-5000	∅ 76	914·915	34	791·794	14



Pole-top luminaires · clear plastic cover

Lamp	Lumen	A	B
8079 1 TC-TEL 32 W	2400	750	515
8080 1 HME 50·80 W	4000	750	515
8093 1 HME 80·125 W	6800	1000	660

Luminaire poles

Height	Top	Pole	Group	Pole	Group
3000-4000	∅ 60	911·724	34	986·787	14
3000-4000	∅ 60	911·724	34	986·787	14
4000-5000	∅ 76	914·915	34	791·794	14

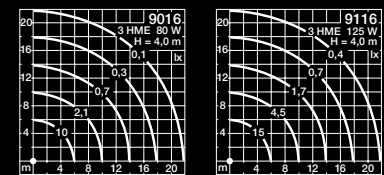
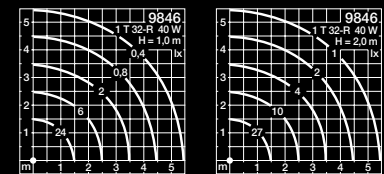
Pole-top luminaires with rotationally symmetrical light distribution
Mounting heights 1000 - 6000 mm

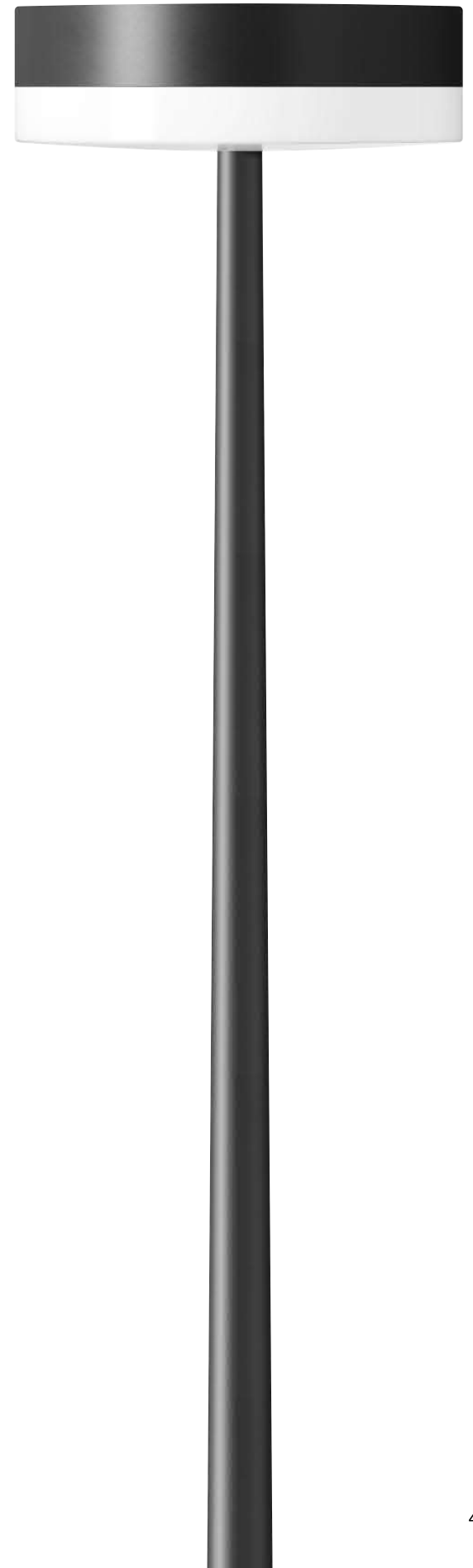
Luminaires with rotationally symmetrical light distribution, available in diverse sizes and light outputs.

Luminaires with mounting heights 1000 to 2000 mm to illuminate gardens and parks in private and public areas.

The luminaires with mounting heights 3000 - 6000 mm are suitable for the illumination of squares, pedestrian zones and urban streets.

To special order, these luminaires are also available with other electrical equipment and in Safety class II.





Pole-top luminaires
for fluorescent lamps and discharge lamps

Protection class IP 44

Die cast aluminium, aluminium and stainless steel

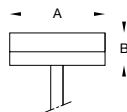
9846 Top made of glass-fibre reinforced plastic

White plastic diffuser

In the table we recommend BEGA luminaire poles whose surface quality and colour as well as design and statics match the pole-top luminaires on this double page.

A complete overview and technical data of all BEGA luminaire poles, anchorage units and connection boxes are given on pages 500 - 507.

Colour graphite



Pole-top luminaires

	Lamp	Lumen	A	B
9846	1 T 32-R 40 W	2800	450	150
9016	3 HME 50-80 W	12 000	600	250
9116	3 HME 125 W	20 400	700	280

Luminaire poles

Height	Top	Pole	Group	Pole	Group
1000 - 2000	∅ 60	997-994	11	941-943	31
3000 - 4000	∅ 60	911-724	34	881-883	72
5000 - 6000	∅ 76	915-916	34	886-834	72

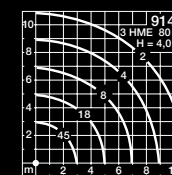
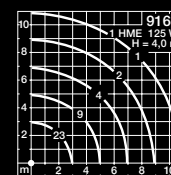
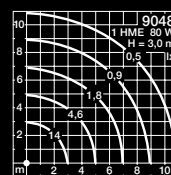
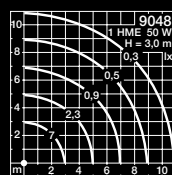
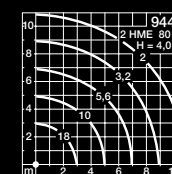
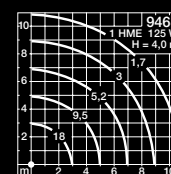
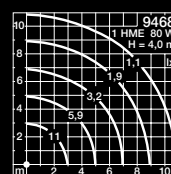
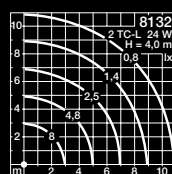


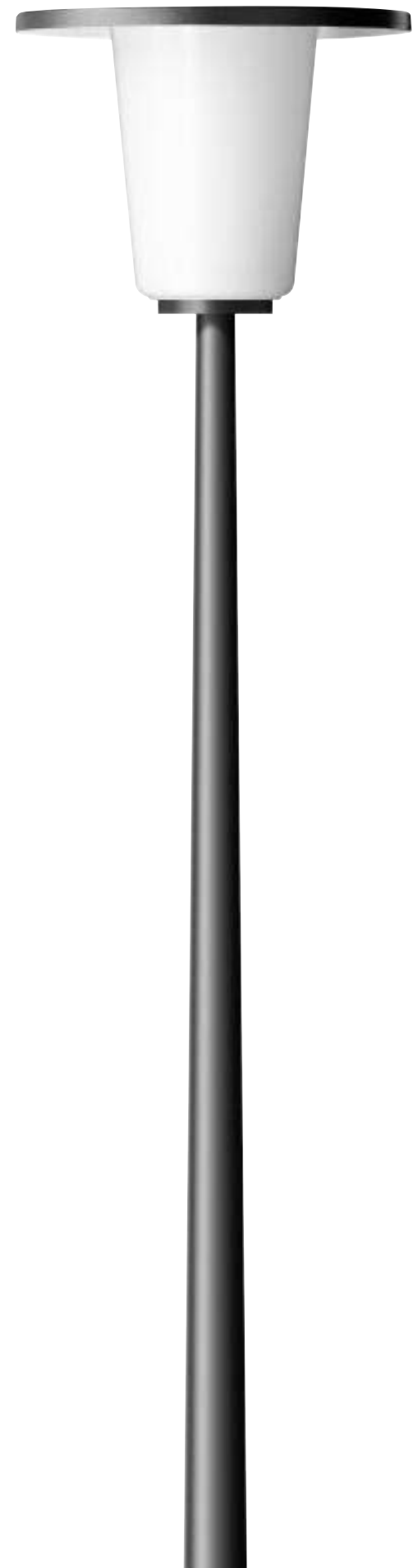
Pole-top luminaires with rotationally symmetrical light distribution Mounting heights 2500 - 4000 mm

Luminaires with rotationally symmetrical light distribution.

They are designed to illuminate car parks, pedestrian zones, urban streets and driveways. Equipped with a white light-diffusing plastic cover, they provide soft and uniform light distribution.

To special order, these luminaires are also available with other electrical equipment and in Safety class II.





Pole-top luminaires
for fluorescent lamps and discharge lamps

Protection class IP 44

Die cast aluminium, aluminium and stainless steel

Top made of glass-fibre reinforced plastic

White plastic cover

In the table we recommend BEGA luminaire poles whose surface quality and colour as well as design and statics match the pole-top luminaires on this double page.

A complete overview and technical data of all BEGA luminaire poles, anchorage units and connection boxes are given on pages 500 - 507.

Colour graphite

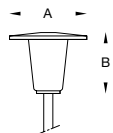


Pole-top luminaires

	Lamp		Lumen	A	B
9048	1 HME 50 · 80 W		4000	500	270
9168	1 HME 125 W		6800	600	320
9148	3 HME 80 W		12000	600	320

Luminaire poles

Height	Top	Pole	Group	Pole	Group
2500-3000	∅ 60	910 · 911	34	985 · 986	14
3000-4000	∅ 60	911 · 724	34	986 · 787	14
3000-4000	∅ 60	911 · 724	34	986 · 787	14



Pole-top luminaires

	Lamp		Lumen	A	B
8132	2 TC-L 24 W		3600	600	520
9468	1 HME 80 · 125 W		6800	600	520
9441	2 HME 80 W		8000	600	520

Luminaire poles

Height	Top	Pole	Group	Pole	Group
3000-4000	∅ 60	911 · 724	34	986 · 787	14
3000-4000	∅ 60	911 · 724	34	986 · 787	14
3000-4000	∅ 60	911 · 724	34	986 · 787	14

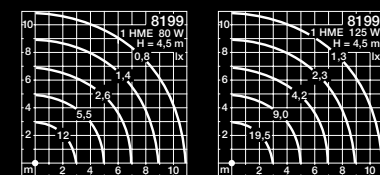
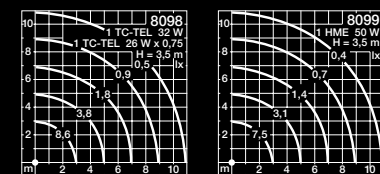
Pole-top luminaires with rotationally symmetrical light distribution
for direct and indirect light
Mounting heights 3000 - 4500 mm

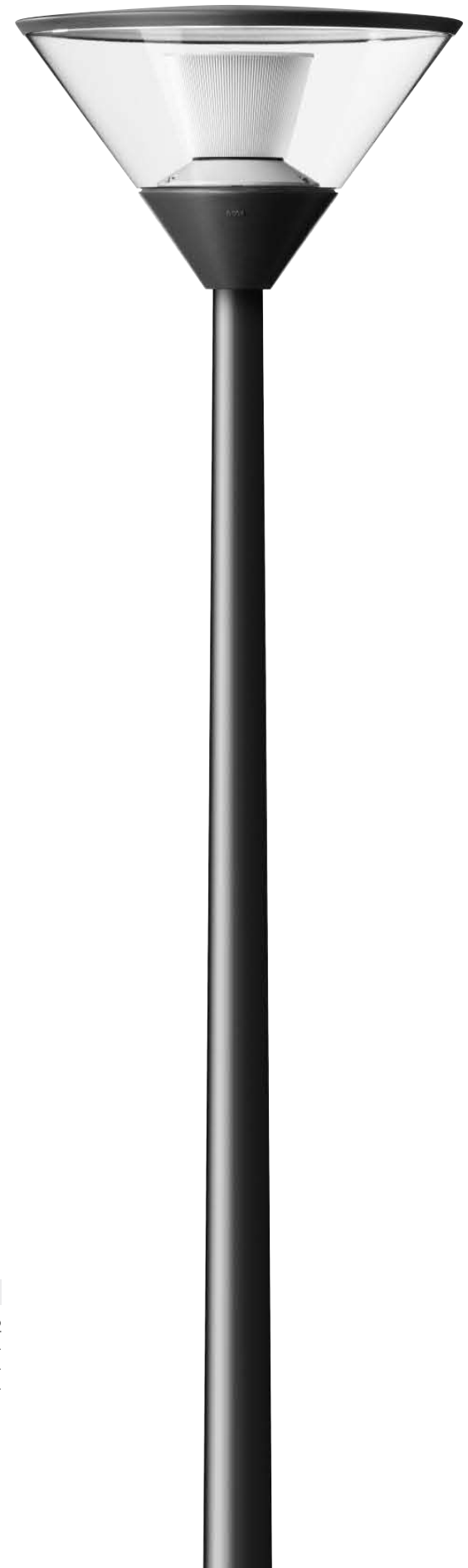
Pole-top luminaires in two sizes for diverse light outputs and mounting heights. Luminaires with rotationally symmetrical light distribution to illuminate squares, driveways and traffic calmed zones.

An inside glass diffuser suppresses glare from the lamp and at the same time directs it under the inside top surface. These luminaires produce both direct wide beam light and indirect soft light. The light is very uniform with a high level of visual comfort.

The luminaires for fluorescent lamps TC-TEL are equipped with electronic ballasts. 26 · 32 W lamps can be used in these luminaires.

To special order, these luminaires are also available with other electrical equipment and in Safety class II.





Pole-top luminaires
for fluorescent lamps and discharge lamps

Protection class IP 65

Die cast aluminium, aluminium and stainless steel

Clear plastic cover

Inside matt glass to suppress glare from the lamp

8098 with electronic ballast

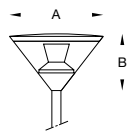
In the table we recommend BEGA luminaire poles whose surface quality and colour as well as design and statics match the pole-top luminaires on this double page.

A complete overview and technical data of all BEGA luminaire poles, anchorage units and connection boxes are given on pages 500 - 507.

Colour graphite or silver

graphite – article number

silver – article number + **A**



Pole-top luminaires

	Lamp		Lumen	A	B
8098	1 TC-TEL	32 W	2400	550	370
8099	1 HME	50 W	2000	550	370
8199	1 HME	80-125 W	6800	710	480

Luminaire poles

Height	Top	Pole	Group	Pole	Group
3000-3500	Ø 60	911-912	34	986-786	14
3000-3500	Ø 60	911-912	34	986-786	14
3500-4500	Ø 76	913-725	34	789-792	14

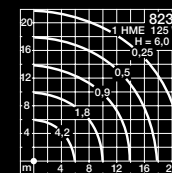
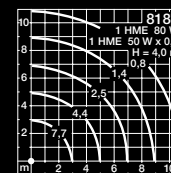
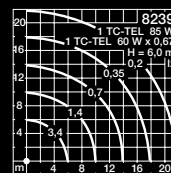
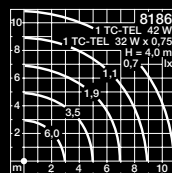


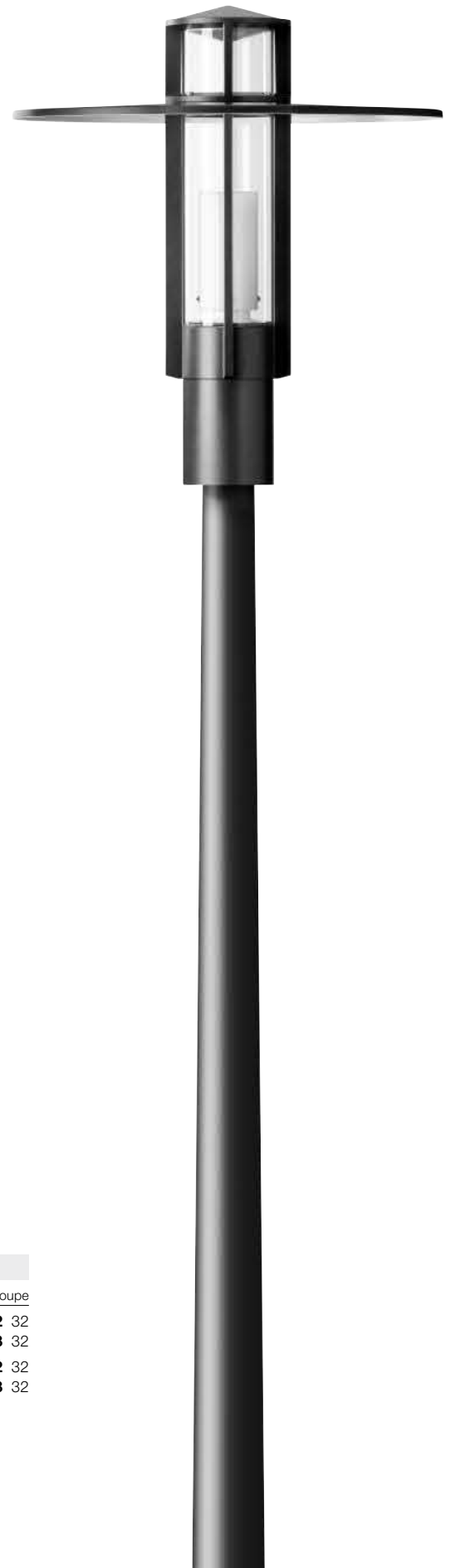
Pole-top luminaires with rotationally symmetrical light distribution
Mounting heights 3500 - 6000 mm

Pole-top luminaires in two sizes for diverse light outputs and mounting heights to illuminate squares, parks, driveways and traffic calmed zones.

Luminaires with rotationally symmetrical light distribution. Part of the light emerges above the top surface and also illuminates the surroundings e.g. treetops. An inside glass diffuser suppresses glare from the lamp and spreads the light softly and uniformly.

The luminaires for fluorescent lamps TC-TEL are equipped with electronic ballasts. Luminaires for a maximum wattage of 42 W can also be operated at 32 W, and luminaires for a maximum wattage of 85 W can be operated at 60 W. To special order, these luminaires are also available with other electrical equipment and in Safety class II.





Pole-top luminaires
for fluorescent lamps and discharge lamps

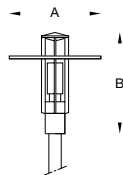
Protection class IP 65

Die cast aluminium, aluminium and stainless steel
Clear plastic cylinder and inside three-ply opal glass

8186 · 8239 with electronic ballast

In the table we recommend BEGA luminaire poles whose surface quality and colour as well as design and statics match the pole-top luminaires on this double page.
A complete overview and technical data of all BEGA luminaire poles, anchorage units and connection boxes are given on pages 500 - 507.

Colour graphite or silver
graphite – article number
silver – article number + **A**



Pole-top luminaires

	Lamp		Lumen	A	B
8186	1 TC-TEL	42 W	3200	650	720
8239	1 TC-TEL	85 W	6000	800	890
8187	1 HME	50 · 80 W	4000	650	720
8238	1 HME	125 W	6800	800	890

Luminaire poles

Height	Top	Pole	Group	Pole	Group
3500 - 4000	∅ 76	913 · 914	34	906 · 742	32
4000 - 6000	∅ 76	914 · 915 · 916	34	737 · 748	32
3500 - 4000	∅ 76	913 · 914	34	906 · 742	32
4000 - 6000	∅ 76	914 · 915 · 916	34	737 · 748	32

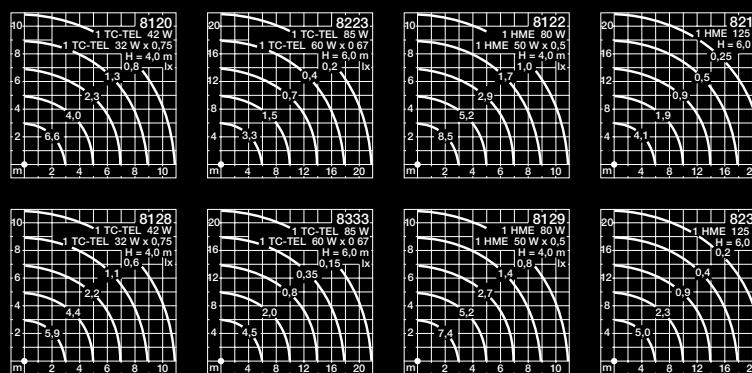


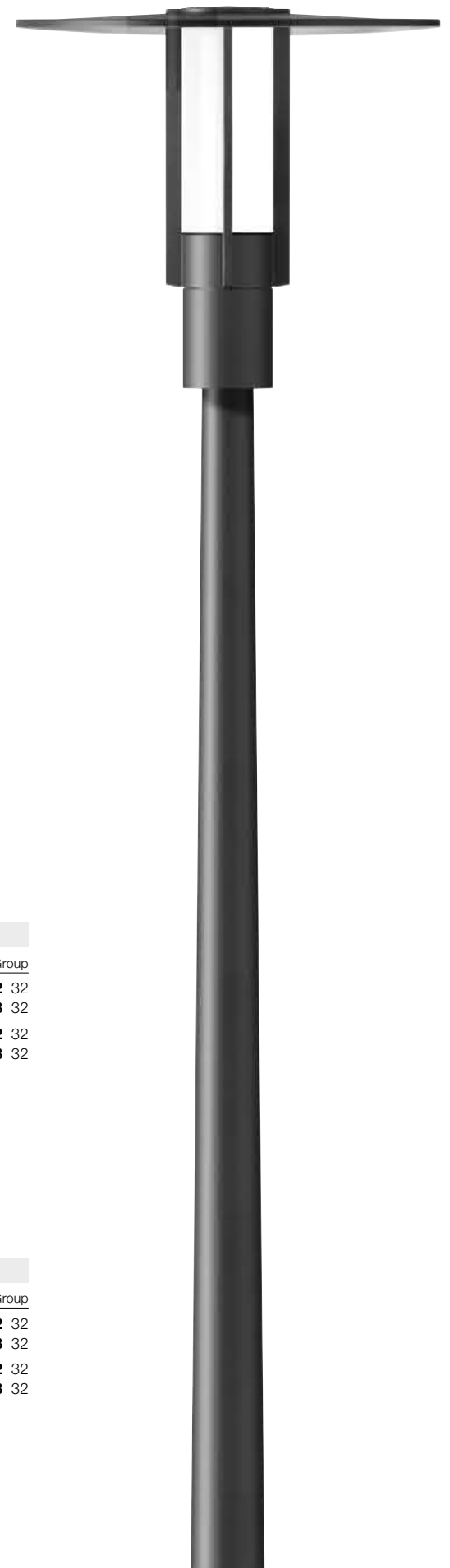
Pole-top luminaires with rotationally symmetrical light distribution
Mounting heights 3500 - 6000 mm

Pole-top luminaires in two sizes for diverse light outputs and mounting heights to illuminate squares, parks, driveways und traffic calmed zones.

Luminaires with rotationally symmetrical light distribution, equipped either with a white light-diffusing plastic cover for soft, pleasantly uniform light or with a clear plastic cover and inside louvred reflector for brilliant directed light.

The luminaires for fluorescent lamps TC-TEL are equipped with electronic ballasts. Luminaires for a maximum wattage of 42 W can also be operated at 32 W, and luminaires for a maximum wattage of 85 W can be operated at 60 W. To special order, these luminaires are also available with other electrical equipment and in Safety class II.





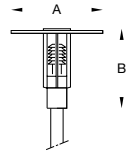
Pole-top luminaires
for fluorescent lamps and discharge lamps
Protection class IP 65

Die cast aluminium, aluminium and stainless steel
Clear plastic cylinder with white louvred reflector or white plastic cylinder

8128 · 8333 · 8120 · 8223 with electronic ballast

In the table we recommend BEGA luminaire poles whose surface quality and colour as well as design and statics match the pole-top luminaires on this double page.
A complete overview and technical data of all BEGA luminaire poles, anchorage units and connection boxes are given on pages 500 - 507.

Colour graphite or silver
graphite – article number
silver – article number + **A**

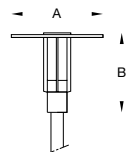


Clear plastic cylinder + louvred reflector

	Lamp	Lumen		A	B
8128	1 TC-TEL	42 W	3200	650	600
8333	1 TC-TEL	85 W	6000	800	740
8129	1 HME	50 · 80 W	4000	650	600
8233	1 HME	125 W	6800	800	740

Luminaire poles

Height	Top	Pole	Group	Pole	Group
3500 - 4000	Ø 76	913 · 914	34	906 · 742	32
4000 - 6000	Ø 76	914 · 915 · 916	34	737 · 748	32
3500 - 4000	Ø 76	913 · 914	34	906 · 742	32
4000 - 6000	Ø 76	914 · 915 · 916	34	737 · 748	32

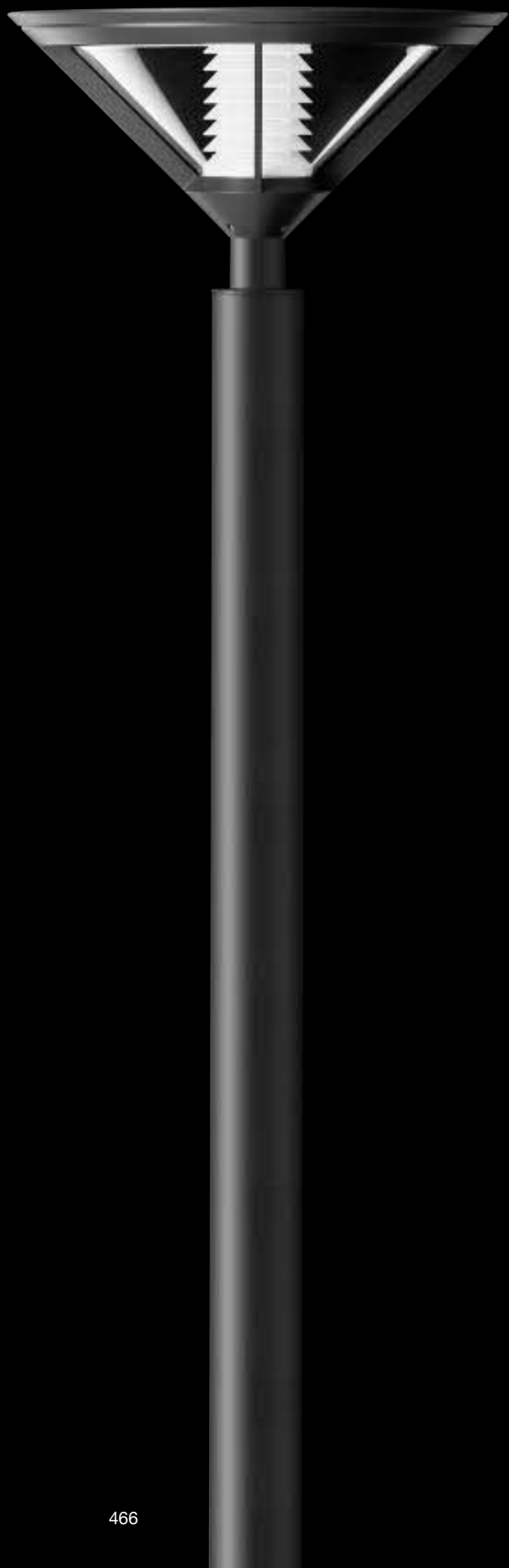


White plastic cylinder

	Lamp	Lumen		A	B
8120	1 TC-TEL	42 W	3200	650	600
8223	1 TC-TEL	85 W	6000	800	740
8122	1 HME	50 · 80 W	4000	650	600
8219	1 HME	125 W	6800	800	740

Luminaire poles

Height	Top	Pole	Group	Pole	Group
3500 - 4000	Ø 76	913 · 914	34	906 · 742	32
4000 - 6000	Ø 76	914 · 915 · 916	34	737 · 748	32
3500 - 4000	Ø 76	913 · 914	34	906 · 742	32
4000 - 6000	Ø 76	914 · 915 · 916	34	737 · 748	32

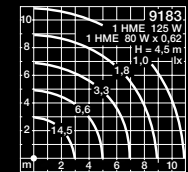
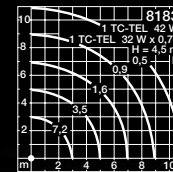
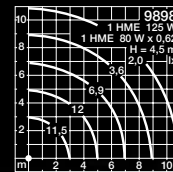
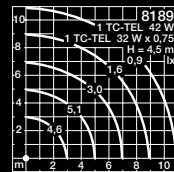


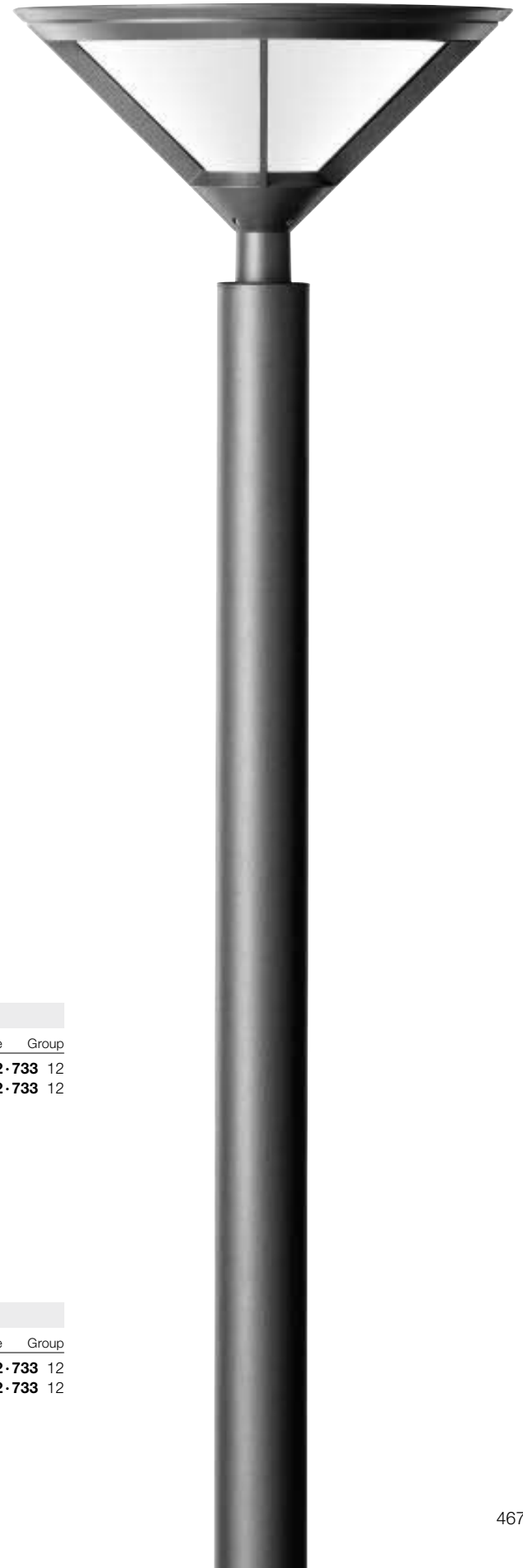
Pole-top luminaires with rotationally symmetrical light distribution
Mounting heights 3500 - 4500 mm

Luminaires with rotationally symmetrical light distribution. They are equipped with a white light-diffusing plastic cover for soft, pleasantly uniform light or with a clear plastic cover and inside louvred reflector for brilliant directed light. These luminaires are designed to illuminate paths, streets, car parks, driveways and traffic calmed zones.

The luminaires for fluorescent lamps TC-TEL are equipped with electronic ballasts. 32 · 42 W lamps can be used in these luminaires.

To special order, these luminaires are also available with other electrical equipment and in Safety class II.





Pole-top luminaires
for fluorescent lamps and discharge lamps

Protection class IP 44

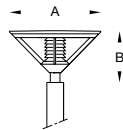
Die cast aluminium, aluminium and stainless steel
Clear plastic cover with white louvred reflector or white plastic cover

8189 · 8183 with electronic ballast

In the table we recommend BEGA luminaire poles whose surface quality and colour as well as design and statics match the pole-top luminaires on this double page.

A complete overview and technical data of all BEGA luminaire poles, anchorage units and connection boxes are given on pages 500 - 507.

Colour graphite

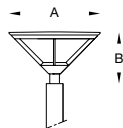


Clear plastic cover + louvred reflector

	Lamp		Lumen	A	B
8189	1 TC-TEL	42 W	3200	710	360
9898	1 HME	80 · 125 W	6800	710	360

Luminaire poles

Height	Top	Pole	Group	Pole	Group
3500 - 4500	Ø 76	906 · 742 · 743	32	732 · 733	12
3500 - 4500	Ø 76	906 · 742 · 743	32	732 · 733	12



White plastic cover

	Lamp		Lumen	A	B
8183	1 TC-TEL	42 W	3200	710	360
9183	1 HME	80 · 125 W	6800	710	360

Luminaire poles

Height	Top	Pole	Group	Pole	Group
3500 - 4500	Ø 76	906 · 742 · 743	32	732 · 733	12
3500 - 4500	Ø 76	906 · 742 · 743	32	732 · 733	12

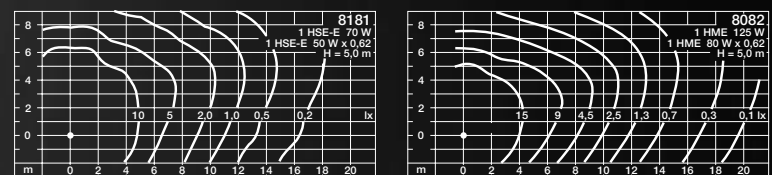
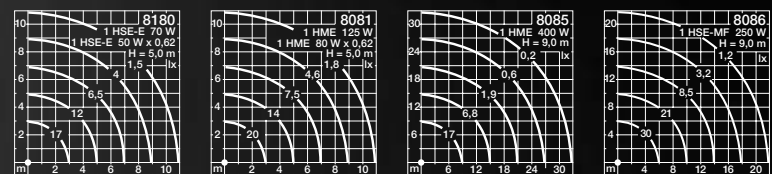
Luminaires with **symmetrical** or **asymmetrical** light distribution
 Mounting heights 4000 - 9000 mm

Pole-top luminaires with symmetrical or asymmetrical light distribution, in different sizes and light outputs to illuminate paths, streets, car parks, driveways and traffic calmed zones.

Luminaires 8081 and 8180 are also available on request with an additional light opening in the top surface.

Apart from street lighting, this produces effective accent lighting above the luminaire as well.

To special order, these luminaires are also available with other electrical equipment and in Safety class II.





Pole-top luminaires with **symmetrical** or **asymmetrical** light distribution
for discharge lamps

Protection class IP 44

Die cast aluminium, aluminium and stainless steel

Safety glass

Reflector of pure anodized aluminium

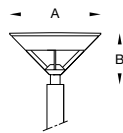
In the table we recommend BEGA luminaire poles whose surface quality and colour
as well as design and statics match the pole-top luminaires on this double page.

A complete overview and technical data of all BEGA luminaire poles, anchorage units
and connection boxes are given on pages 500 - 507.

Colour graphite or silver

graphite – article number

silver – article number + **A**



Pole-top luminaires · **symmetrical**

	Lamp	Lumen	A	B
8180	1 HSE-E 50·70 W	5600	710	360
8180	1 HIE-CE/S 70 W	5900	710	360
8081	1 HME 80·125 W	6800	710	360
8085	1 HME 400 W	24000	1000	525
8086	1 HSE-MF 250 W	31100	1000	525

Luminaire poles

Height	Top	Pole	Group	Pole	Group
4000 - 5000	Ø 76	742·744	32	733	12
4000 - 5000	Ø 76	742·744	32	733	12
4000 - 5000	Ø 76	742·744	32	733	12
8000 - 9000	Ø 76	726	34	837	72
8000 - 9000	Ø 76	726	34	837	72

Pole-top luminaires · **asymmetrical**

	Lamp	Lumen	A	B
8181	1 HSE-E 50·70 W	5600	710	360
8181	1 HIE-CE/S 70 W	5900	710	360
8082	1 HME 80·125 W	6800	710	360

Luminaire poles

Height	Top	Pole	Group	Pole	Group
4000 - 5000	Ø 76	742·744	32	733	12
4000 - 5000	Ø 76	742·744	32	733	12
4000 - 5000	Ø 76	742·744	32	733	12



Pole-top luminaire with rotationally symmetrical light distribution
for indirect and direct light
Mounting heights 3500 - 5000 mm

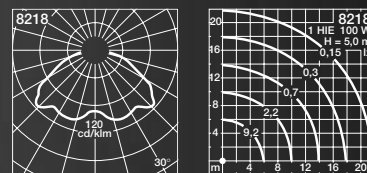
Pole-top luminaire with rotationally symmetrical light distribution to illuminate
squares, driveways and traffic calmed zones.
Luminaires for indirect and direct light.

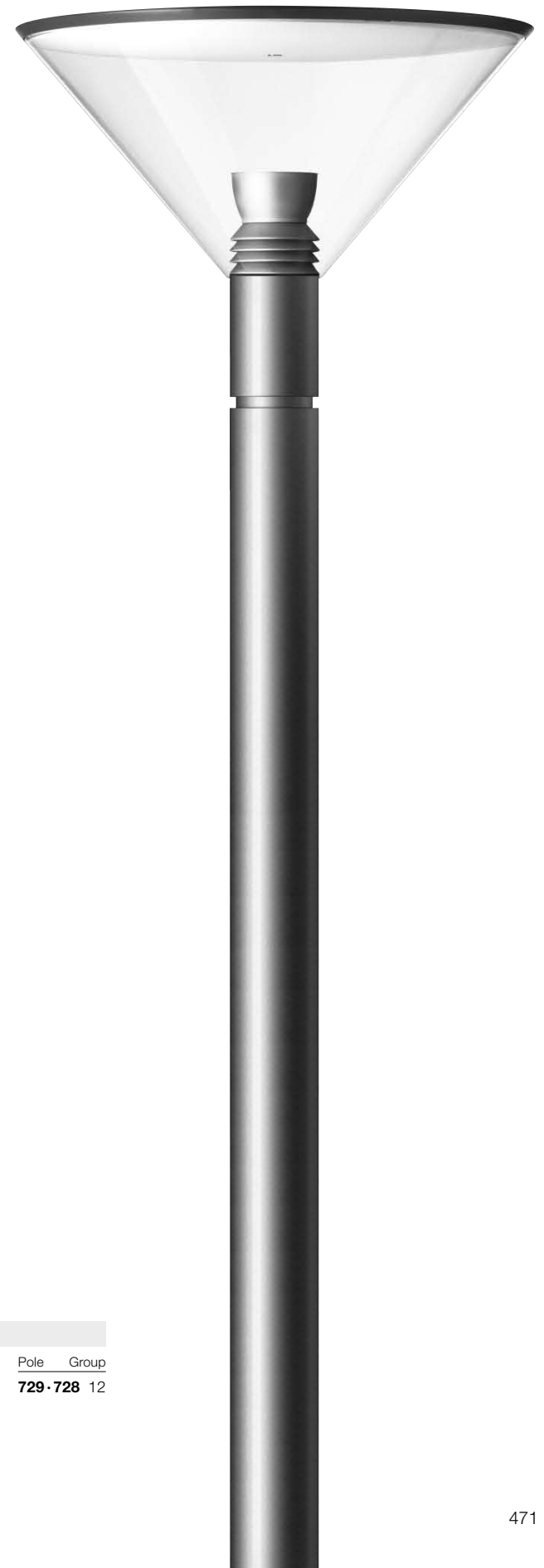
A reflector system directs the main part of the light upwards precisely onto
the top reflector. This reflects the light indirectly onto the illuminated surface.
A small part of the light emerges directly as shielded light.

The effect of these luminaires is fascinating at night.

Effective, very uniform light with a high level of visual comfort.

To special order, these luminaires are also available with other electrical
equipment and in Safety class II.





Pole-top luminaire for discharge lamps

Protection class IP 65

Die cast aluminium, aluminium and stainless steel

Clear plastic cover

Reflector of pure anodized aluminium

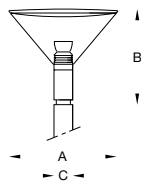
In the table we recommend BEGA luminaire poles whose surface quality and colour as well as design and statics match the pole-top luminaires on this double page.

A complete overview and technical data of all BEGA luminaire poles, anchorage units and connection boxes are given on pages 500 - 507.

Colour graphite or silver

graphite – article number

silver – article number + **A**



Pole-top luminaire

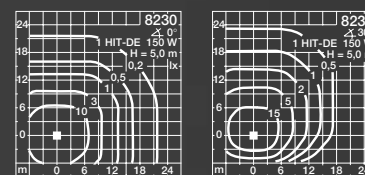
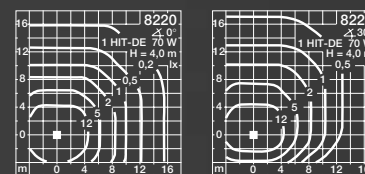
Lamp	Lumen	A	B	C
8218 1 HIE 100 W	8500	800	675	140

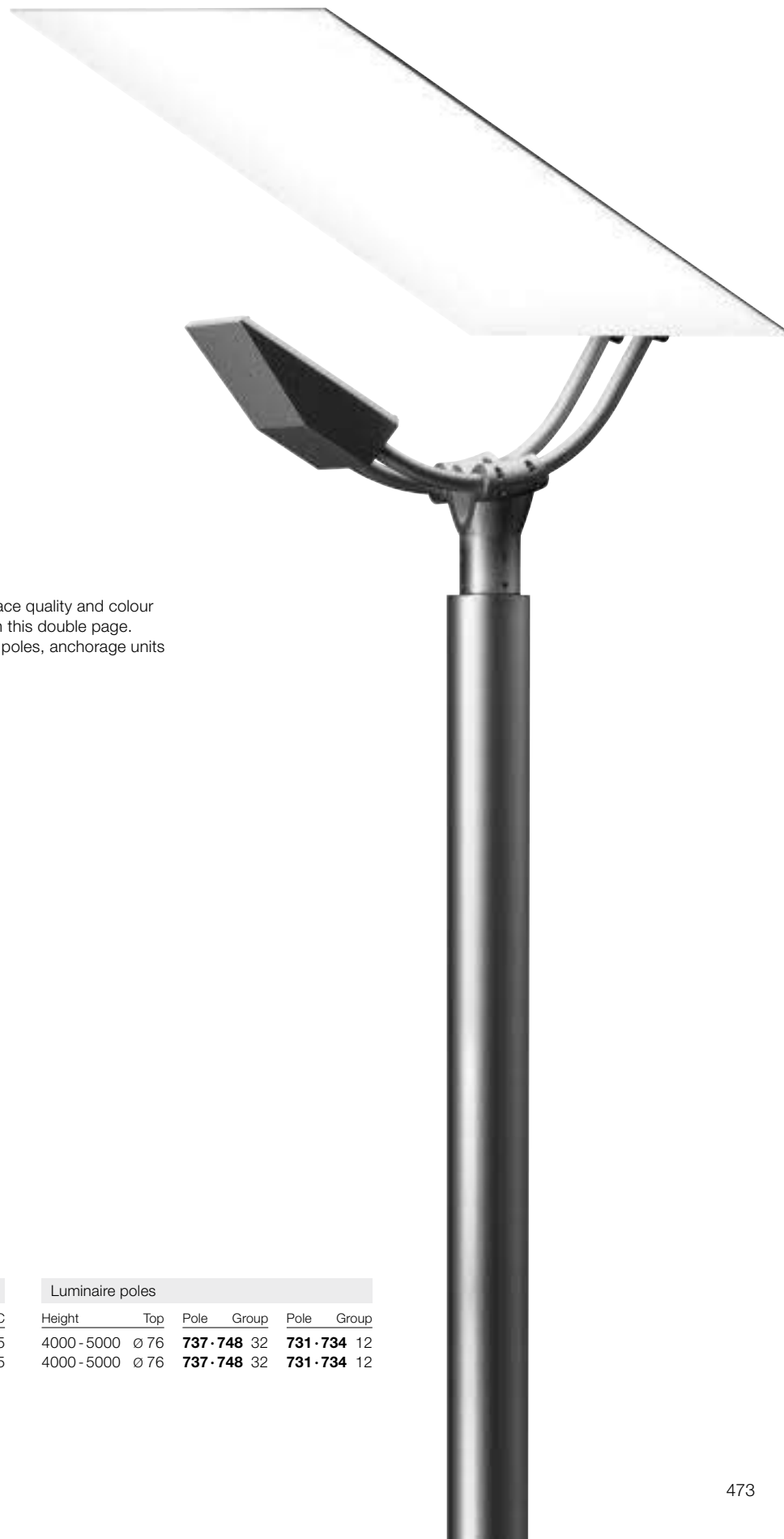
Luminaire poles

Height	Top	Pole	Group	Pole	Group
3500 - 5000	∅ 76	739 · 738 · 727 · 736	32	729 · 728	12

Pole-top luminaires
with **adjustable** light distribution
Mounting heights 4000 - 5000 mm

An adjustable system providing flat, indirect lighting. The light from the high-power floodlight is redirected by a square top reflector, producing particularly soft and uniform light distribution and optimum glare suppression. The floodlight and top reflector are exactly set to one another. The entire system can be infinitely adjusted in the bearings of the pole cap. Symmetrical light distribution is produced when the top reflector is set in a horizontal position, and asymmetrical light distribution when the top reflector is swivelled 0° - 65° . They are ideal where lighting situations require the highest standards of uniformity and no glare. To special order, these luminaires are also available with other electrical equipment and in Safety class II.





Pole-top luminaires with **adjustable** light distribution
for discharge lamps

Protection class IP 65

Die cast aluminium, aluminium and stainless steel

Safety glass

Reflector of pure anodized aluminium

Luminaires can be infinitely swivelled 0°-65°

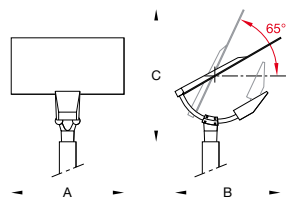
In the table we recommend BEGA luminaire poles whose surface quality and colour
as well as design and statics match the pole-top luminaires on this double page.

A complete overview and technical data of all BEGA luminaire poles, anchorage units
and connection boxes are given on pages 500 - 507.

Colour silver or white

silver – article number

white – article number + **W**



Pole-top luminaires

	Lamp		Lumen	A	B	C
8220	1 HI/HST-DE 70 W	6900	1000	1055	650-1175	
8230	1 HI/HST-DE 150 W	15000	1000	1055	650-1175	

Luminaire poles

Height	Top	Pole	Group	Pole	Group
4000-5000	∅ 76	737 · 748	32	731 · 734	12
4000-5000	∅ 76	737 · 748	32	731 · 734	12

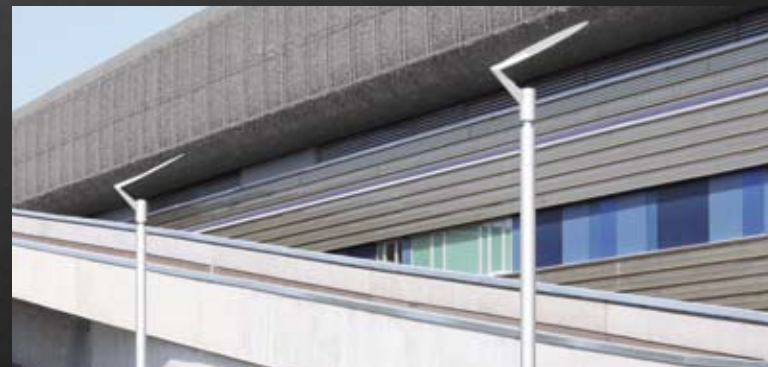
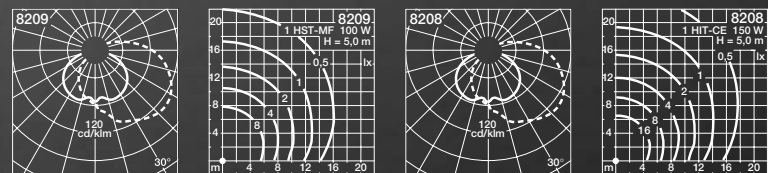
Pole-top luminaires with **asymmetrical** light distribution
Mounting heights 4000 - 5000 mm

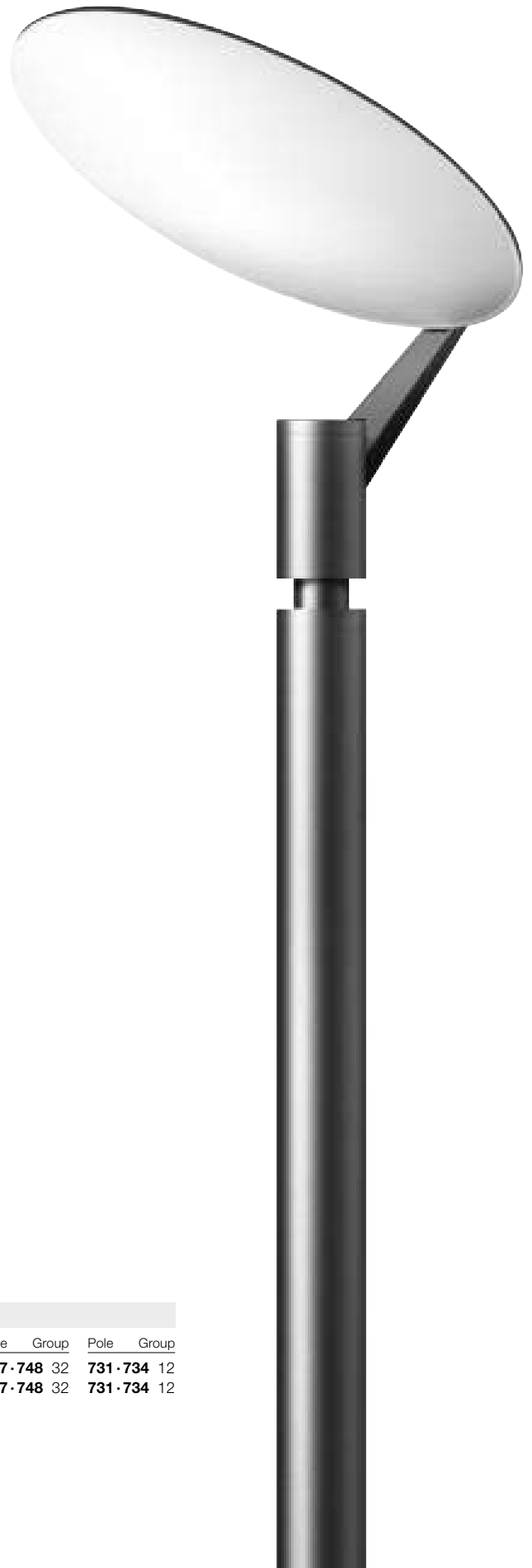
Pole-top luminaires for indirect lighting.

The spherically arched, elliptical top reflector made of die cast aluminium determines the light distribution.

The light from the fitted high-power floodlight is redirected by the top reflector set at 30°.

The light is softly and uniformly diffused when distributed asymmetrically. These luminaires are designed for streets, open spaces and squares where lighting situations require the highest standards of uniformity and no glare. To special order, these luminaires are also available with other electrical equipment and in Safety class II.





Pole-top luminaires with **asymmetrical** light distribution
for discharge lamps

Protection class IP 65

Die cast aluminium, aluminium and stainless steel

Safety glass

Reflector of pure anodized aluminium

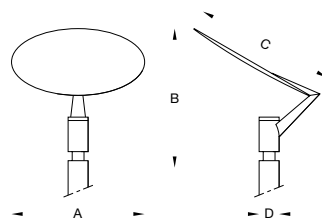
In the table we recommend BEGA luminaire poles whose surface quality and colour
as well as design and statics match the pole-top luminaires on this double page.

A complete overview and technical data of all BEGA luminaire poles, anchorage units
and connection boxes are given on pages 500 - 507.

Colour silver or white

silver – article number

white – article number + **W**



Pole-top luminaires

	Lamp		Lumen	A	B	C	D
8209	1 HST-MF	100 W	10700	1000	1280	1280	170
8208	1 HIT-CE	150 W	15500	1000	1190	1280	170

Luminaire poles

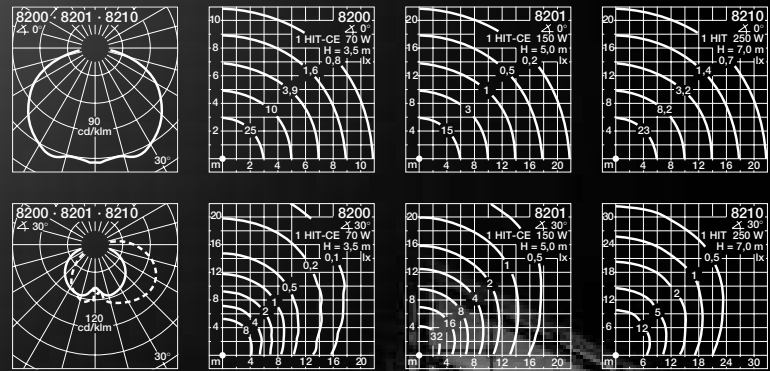
Height	Top	Pole	Group	Pole	Group
4000 - 5000	ø 76	737 · 748	32	731 · 734	12
4000 - 5000	ø 76	737 · 748	32	731 · 734	12

Pole-top luminaires with **adjustable** light distribution Mounting heights 3500 - 7000 mm

Pole-top luminaires for indirect lighting. The light from the fitted high-power floodlight is directed by the top reflector, creating particularly soft and uniform light distribution with optimum glare suppression. The top reflector is adjustable from 0°-30°. This allows the light distribution to be infinitely adjusted from 0° rotationally symmetrical to 30° asymmetrical.

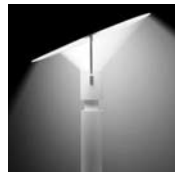
These luminaires are designed for streets, open spaces and squares where lighting situations require the highest standards of uniformity and no glare.

To special order, these luminaires are also available with other electrical equipment and in Safety class II.





symmetrical



asymmetrical

Pole-top luminaires with **adjustable** light distribution
for discharge lamps

Protection class IP 65

Die cast aluminium, aluminium and stainless steel

Safety glass

Top reflector can be infinitely adjusted 0°-30°

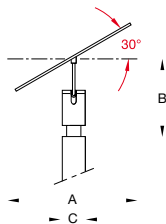
In the table we recommend BEGA luminaire poles whose surface quality and colour
as well as design and statics match the pole-top luminaires on this double page.

A complete overview and technical data of all BEGA luminaire poles, anchorage units
and connection boxes are given on pages 500 - 507.

Colour silver or white

silver – article number

white – article number + **W**

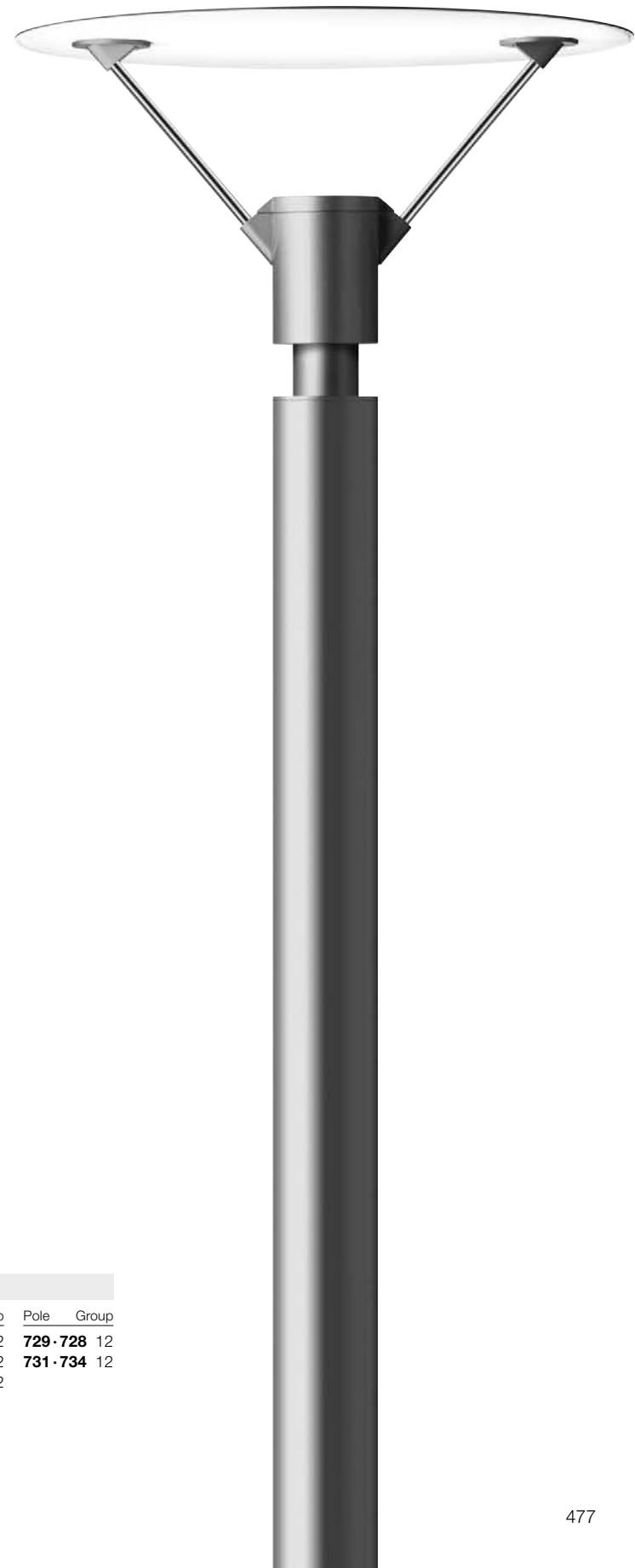


Pole-top luminaires

	Lamp	Lumen	A	B	C
8200	1 HIT-CE 70 W	7000	800	500	140
8201	1 HIT-CE 150 W	15500	1000	575	170
8210	1 HIT 250 W	20000	1250	750	220

Luminaire poles

Height	Top	Pole	Group	Pole	Group
3500-4000	∅ 76	739 · 738	32	729 · 728	12
4000-5000	∅ 76	737 · 748	32	731 · 734	12
6000-7000	∅ 89	749 · 750	32		



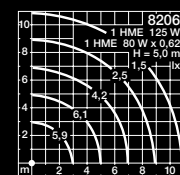
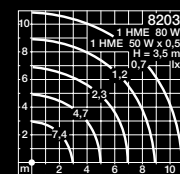
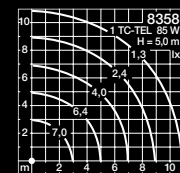
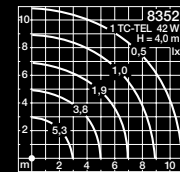
Pole-top luminaires with rotationally symmetrical light distribution
Mounting heights 3500 - 5000 mm

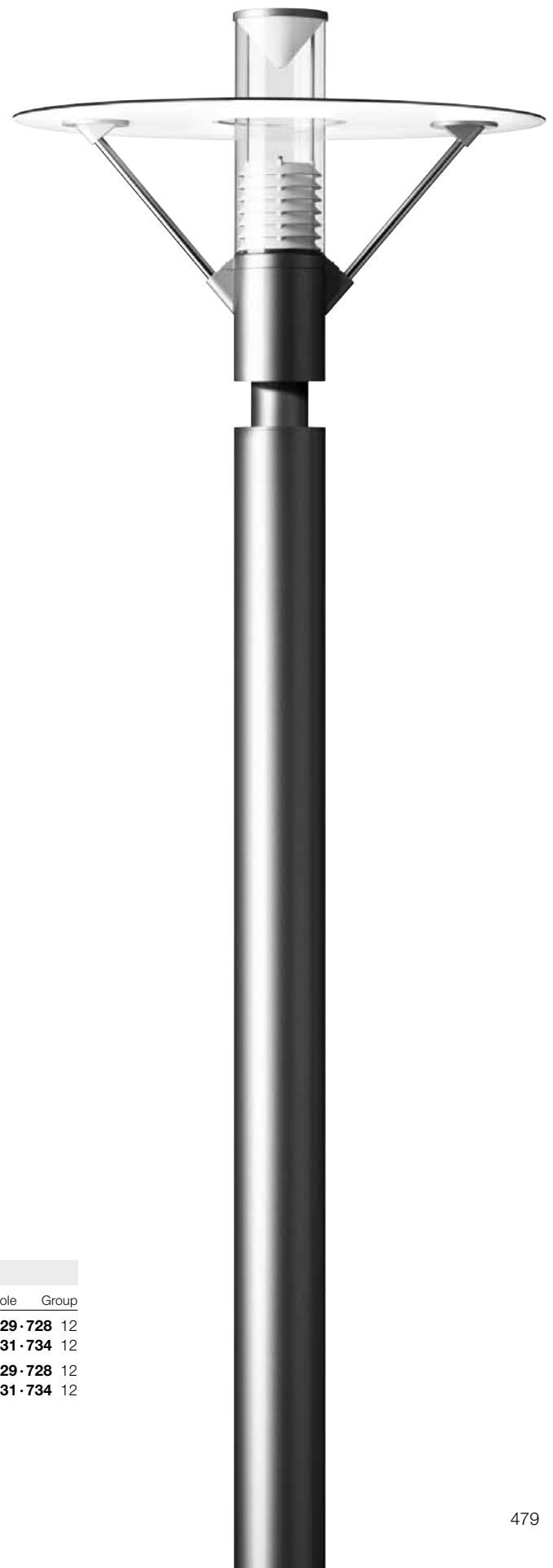
Pole-top luminaires in two sizes for different light outputs and mounting heights to illuminate squares, parks, driveways and traffic calmed zones.

Luminaires with a clear plastic cover and inside louvred reflector for directed light with rotationally symmetrical light distribution.

The luminaires for fluorescent lamps TC-TEL are equipped with electronic ballasts. Luminaires for a maximum wattage of 42 W can also be operated at 32 W, and luminaires for a maximum wattage of 85 W can be operated at 60 W.

To special order, these luminaires are also available with other electrical equipment and in Safety class II.





Pole-top luminaires
for fluorescent lamps and discharge lamps

Protection class IP 65

Die cast aluminium, aluminium and stainless steel

Clear plastic cylinder

White louvred reflector

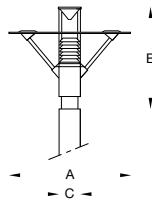
8352 · 8358 with electronic ballast

In the table we recommend BEGA luminaire poles whose surface quality and colour as well as design and statics match the pole-top luminaires on this double page. A complete overview and technical data of all BEGA luminaire poles, anchorage units and connection boxes are given on pages 500 - 507.

Colour silver or white

silver – article number

white – article number + **W**



Pole-top luminaires

	Lamp	Lumen	A	B	C
8352	1 TC-TEL 42 W	3200	800	670	140
8358	1 TC-TEL 85 W	6000	1000	770	170
8203	1 HME 50·80 W	4000	800	670	140
8206	1 HME 80·125 W	6800	1000	770	170

Luminaire poles

Height	Top	Pole	Group	Pole	Group
3500-4000	∅ 76	739 · 738	32	729 · 728	12
4000-5000	∅ 76	737 · 748	32	731 · 734	12
3500-4000	∅ 76	739 · 738	32	729 · 728	12
4000-5000	∅ 76	737 · 748	32	731 · 734	12



Side-mounted pole-top luminaires with directed light and rotationally symmetrical light distribution
Mounting heights 3000 - 8000 mm

Side-mounted pole-top luminaires in three sizes for different light outputs and mounting heights to illuminate squares, driveways, pedestrian areas and car parks.

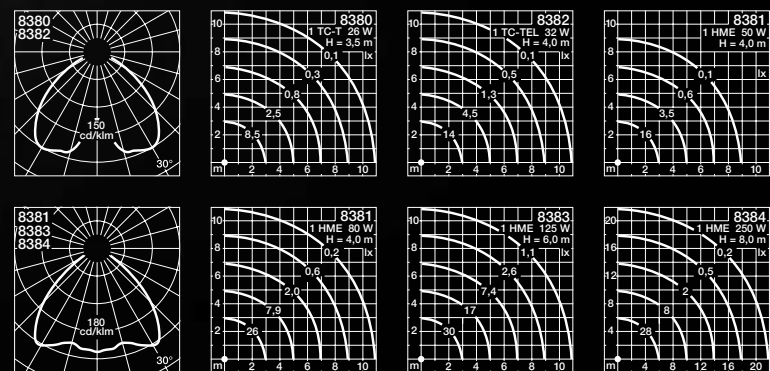
Luminaires with rotationally symmetrical, broad spread light distribution.

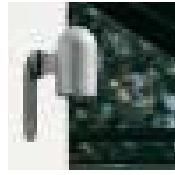
The slope angle of the luminaires can be infinitely adjusted up to 12°, and therefore directed to meet the requirements of the illuminated surface.

Side-mounted pole-top luminaires in this series can be mounted on a pole in single, double or triple configuration. When ordering the luminaires, please state the luminaire configuration. The poles will then be delivered ready for installation with the required mounting holes.

The luminaires for fluorescent lamps TC-TEL are equipped with electronic ballasts. 26·32 W lamps can be used in these luminaires.

To special order, these luminaires are also available with other electrical equipment and in Safety class II.





Wall luminaires
page 208



single, double or
triple configuration



Side-mounted pole-top luminaires
for fluorescent lamps and discharge lamps

Protection class IP 65

Die cast aluminium, aluminium and stainless steel

Safety glass

Reflector of pure anodized aluminium

Adjustable slope angle 0° to 12°

8382 with electronic ballast

For lateral screw connection to a pole · Maximum of 3 luminaires on one level.

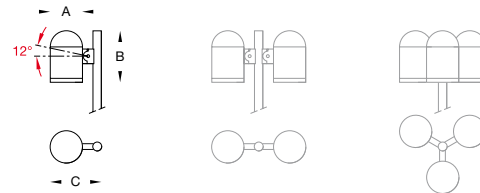
In the table, we recommend BEGA luminaire poles whose surface finish, colour, design and static features match the side-mounted pole-top luminaires on this double page.

A complete overview including technical data of all BEGA luminaire poles, anchorage units and connection boxes is given on pages 500 - 507.

Colour graphite or silver

graphite – article number

silver – article number + **A**



Side-mounted pole-top luminaires					Luminaire poles							
	Lamp		Lumen	A	B	C	Height	Top	Pole	Group	Pole	Group
8380	1 TC-T	26 W	1800	190	320	290	3000 - 3500	Ø76	918-913	34	788-789	14
8382	1 TC-TEL	32 W	2400	220	350	320	3500 - 4000	Ø76	913-914	34	789-791	14
8381	1 HME	50-80 W	4000	190	320	290	3500 - 4000	Ø76	913-914	34	789-791	14
8383	1 HME	125 W	6800	220	350	320	4000 - 6000	Ø76	914-915-916	34	791-794	14
8384	1 HME	250 W	14000	300	470	430	6000 - 8000	Ø76	916-917-726	34	835-836	72

Pole-top luminaires with **symmetrical** or **asymmetrical** light distribution
 Mounting heights 4000 - 6000 mm

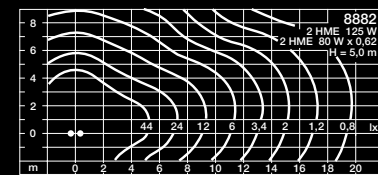
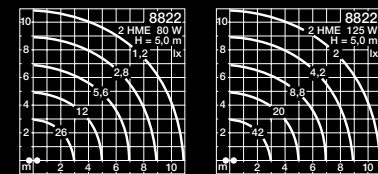
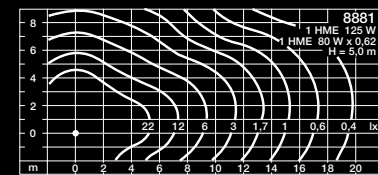
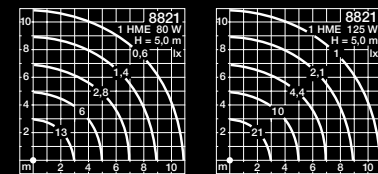
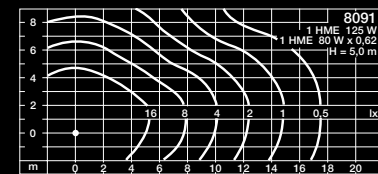
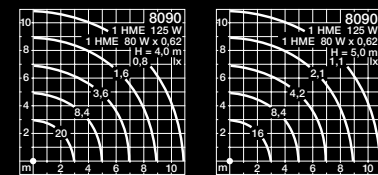
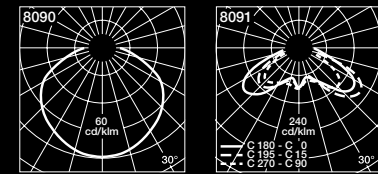
A group of luminaires to illuminate squares, driveways, urban and suburban streets either as:

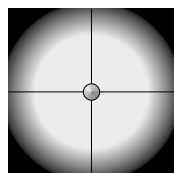
- pole-top luminaires for central installation on a pole or as
 - outrigger luminaire in single and double configuration as pole-top luminaires ready for installation
- This type of luminaire is also available in triple and quadruple configuration.

Symmetrical light distribution for soft, uniform light or asymmetrical light distribution for flat beam light. The optical system of the luminaires with asymmetrical light distribution can be adjusted after installation, allowing the light distribution to be adapted to the location.

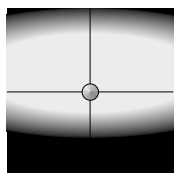
These luminaires with a high vertical illuminance provide uniform lighting and a high level of visual comfort.

To special order, these luminaires are also available with other electrical equipment and in Safety class II.

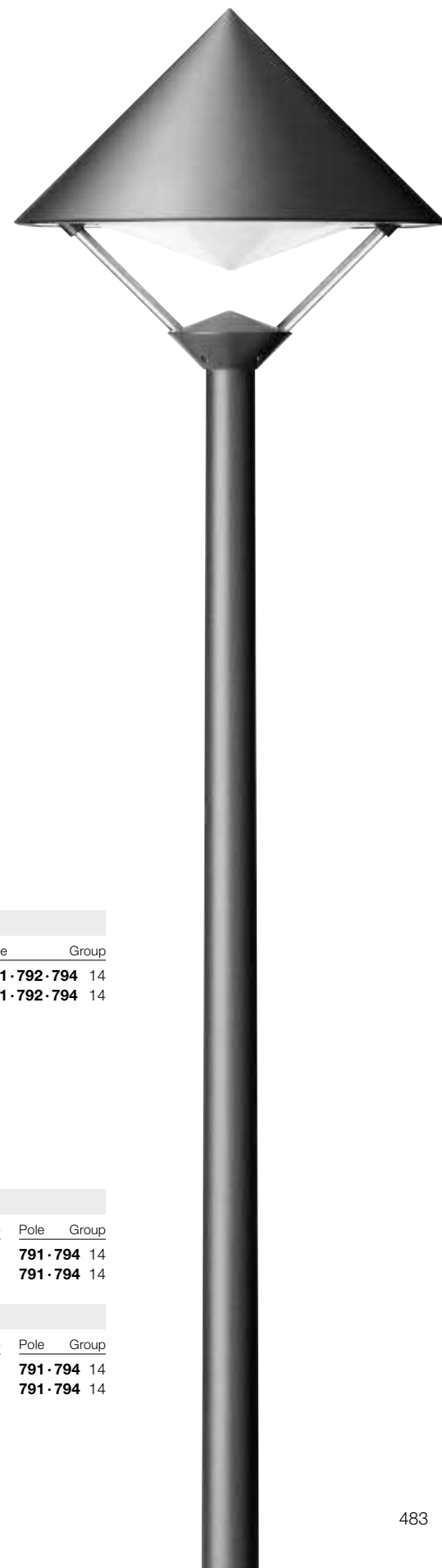




symmetrical



asymmetrical



Pole-top luminaires or **single** and **double** pole-top luminaires with outrigger arms with **symmetrical** and **asymmetrical** light distribution for discharge lamps

Protection class IP 44

Die cast aluminium, aluminium and stainless steel

8090 · 8821 · 8822 White plastic diffuser

8091 · 8881 · 8882 Clear plastic diffuser with optical texture

Reflector of pure anodized aluminium

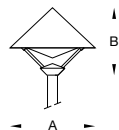
In the table, we recommend BEGA luminaire poles whose surface finish, colour, design and static features match the pole-top luminaires on this double page.

A complete overview including technical data of all BEGA luminaire poles, anchorage units and connection boxes is given on pages 500 - 507.

Colour graphite or silver

graphite – article number

silver – article number + **A**

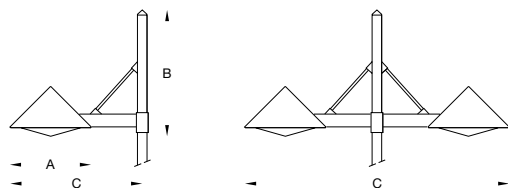


Pole-top luminaires

	Lamp	Lumen		A	B
8090	1 HME 80 · 125 W	6800	symmetrical	650	540
8091	1 HME 80 · 125 W	6800	asymmetrical	650	540

Luminaire poles

Height	Top	Pole	Group	Pole	Group
4000 - 5000	∅76	914 · 915	34	791 · 792 · 794	14
4000 - 5000	∅76	914 · 915	34	791 · 792 · 794	14



Single pole-top luminaires with outrigger arm

	Lamp	Lumen		A	B	C
8821	1 HME 80 · 125 W	6800	symmetrical	650	1100	1050
8881	1 HME 80 · 125 W	6800	asymmetrical	650	1100	1050

Luminaire poles

Height	Top	Pole	Group	Pole	Group
4000 - 6000	∅76	914 · 915 · 916	34	791 · 794	14
4000 - 6000	∅76	914 · 915 · 916	34	791 · 794	14

Double pole-top luminaires with outrigger arm

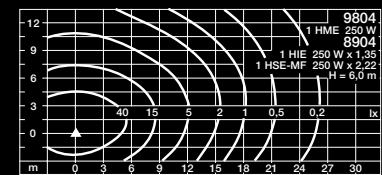
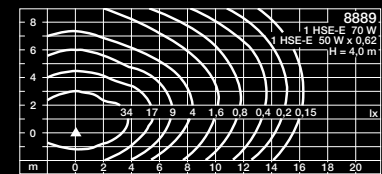
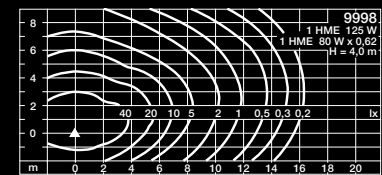
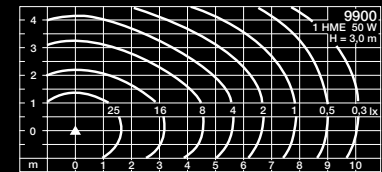
	Lamp	Lumen		A	B	C
8822	2 HME 80 · 125 W	13 600	symmetrical	650	1100	2100
8882	2 HME 80 · 125 W	13 600	asymmetrical	650	1100	2100

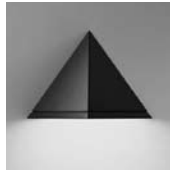
Luminaire poles

Height	Top	Pole	Group	Pole	Group
4000 - 6000	∅76	914 · 915 · 916	34	791 · 794	14
4000 - 6000	∅76	914 · 915 · 916	34	791 · 794	14

Pole-top luminaires with asymmetrical light distribution
 Mounting heights 3000 - 9000 mm

Luminaires with asymmetrical, flat beam light distribution, available in three sizes for different light outputs. They are designed to illuminate streets, squares, driveways and pedestrian areas. Pole-top luminaires ready for installation in single or double configuration. To special order, these luminaires are also available with other electrical equipment and in Safety class II.





Wall luminaires
page 194



Single and **double** pole-top luminaires with asymmetrical light distribution
for discharge lamps

Protection class IP 44

Die cast aluminium, aluminium and stainless steel

Safety glass with optical texture

Reflector of pure anodized aluminium

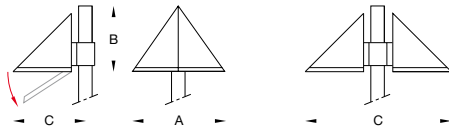
In the table, we recommend BEGA luminaire poles whose surface finish, colour,
design and static features match the pole-top luminaires on this double page.

A complete overview including technical data of all BEGA luminaire poles,
anchorage units and connection boxes is given on pages 500 - 507.

Colour graphite or silver

graphite – article number

silver – article number + **A**



Single pole-top luminaires

	Lamp		Lumen	A	B	C
9900	1 HME	50 W	2000	500	410	450
9998	1 HME	80 · 125 W	6800	620	495	550
8889	1 HSE-E	50 · 70 W	5600	620	495	550
8889	1 HIE-CE/S	70 W	5900	620	495	550
9804	1 HME	250 W	14 000	740	630	650
8904	1 HIE · HSE-MF	250 W	31 100	740	630	650

Luminaire poles

Height	Top	Pole	Group	Pole	Group
3000 - 3500	∅100	958 · 959	31		
3500 - 4500	∅120	965 · 974 · 989	31		
3500 - 4500	∅120	965 · 974 · 989	31		
3500 - 4500	∅120	965 · 974 · 989	31		
6000 - 9000	∅ 76	916 · 917 · 726	34	837	72
6000 - 9000	∅ 76	916 · 917 · 726	34	837	72

Double pole-top luminaires

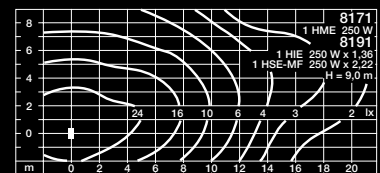
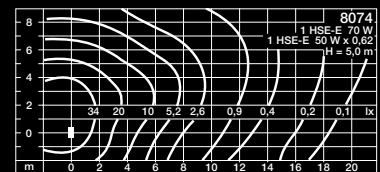
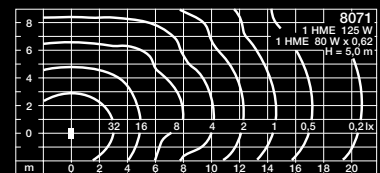
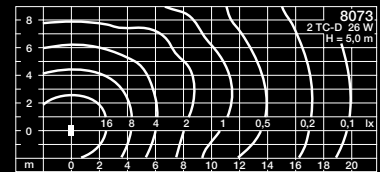
	Lamp		Lumen	A	B	C
9906	2 HME	50 W	4000	500	410	900
9999	2 HME	80 · 125 W	13 600	620	495	1100
8890	2 HSE-E	50 · 70 W	11 200	620	495	1100
8890	2 HIE-CE/S	70 W	11 800	620	495	1100
9849	2 HME	250 W	28 000	740	630	1300
8949	2 HIE · HSE-MF	250 W	62 200	740	630	1300

Luminaire poles

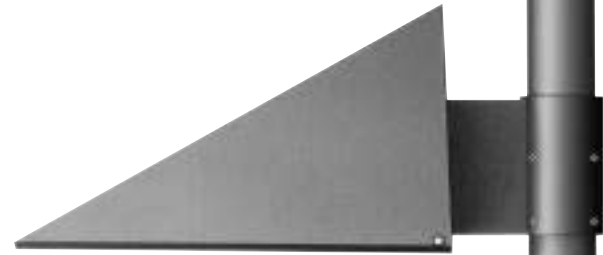
Height	Top	Pole	Group	Pole	Group
3000 - 3500	∅100	958 · 959	31		
3500 - 4500	∅120	965 · 974 · 989	31		
3500 - 4500	∅120	965 · 974 · 989	31		
3500 - 4500	∅120	965 · 974 · 989	31		
6000 - 9000	∅ 76	916 · 917 · 726	34	837	72
6000 - 9000	∅ 76	916 · 917 · 726	34	837	72

Pole-top luminaires with asymmetrical light distribution
 Mounting heights 3000 - 9000 mm

Luminaires with asymmetrical, flat beam light distribution, available in two sizes for different light outputs. They are designed to illuminate streets, squares, driveways and pedestrian areas. Pole-top luminaires ready for installation in single or double configuration. To special order, these luminaires are also available with other electrical equipment and in Safety class II.



Wall luminaires
 page 228



Single and **double** pole-top luminaires
with asymmetrical light distribution
for fluorescent lamps and discharge lamps

Protection class IP 44

Die cast aluminium, aluminium and stainless steel · Safety glass

Reflector of pure anodized aluminium

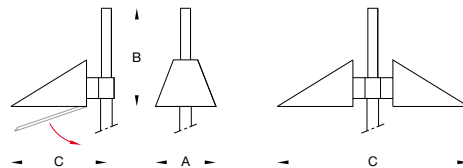
In the table, we recommend BEGA luminaire poles whose surface finish, colour, design and static features match the pole-top luminaires on this double page.

A complete overview including technical data of all BEGA luminaire poles, anchorage units and connection boxes is given on pages 500 - 507.

Colour graphite or silver

graphite – article number

silver – article number + **A**



Single pole-top luminaires

Lamp	Lumen	A	B	C
8073 2 TC-D 26 W	3600	350	600	600
8071 1 HME 80 · 125 W	6800	350	600	600
8074 1 HSE-E 50 · 70 W	5600	350	600	600
8074 1 HIE-CE/S 70 W	5900	350	600	600
8171 1 HME 250 W	14 000	450	750	730
8191 1 HIE · HSE-MF 250 W	31 100	450	750	730

Luminaire poles

Height	Top	Pole	Group	Pole	Group
3000 - 6000	∅76	918 · 914 · 915 · 916	34	788 · 791 · 794	14
3000 - 6000	∅76	918 · 914 · 915 · 916	34	788 · 791 · 794	14
3000 - 6000	∅76	918 · 914 · 915 · 916	34	788 · 791 · 794	14
3000 - 6000	∅76	918 · 914 · 915 · 916	34	788 · 791 · 794	14
7000 - 9000	∅76	917 · 726	34	835 · 836 · 837	72
7000 - 9000	∅76	917 · 726	34	835 · 836 · 837	72

Double pole-top luminaires

Lamp	Lumen	A	B	C
8075 4 TC-D 26 W	7200	350	600	1200
8072 2 HME 80 · 125 W	13 600	350	600	1200
8076 2 HSE-E 50 · 70 W	11 200	350	600	1200
8076 2 HIE-CE/S 70 W	11 800	350	600	1200
8172 2 HME 250 W	28 000	450	750	1460
8192 2 HIE · HSE-MF 250 W	62 200	450	750	1460

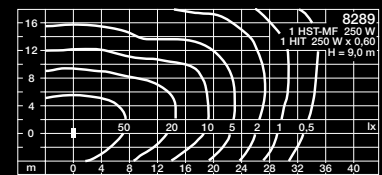
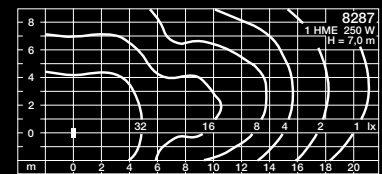
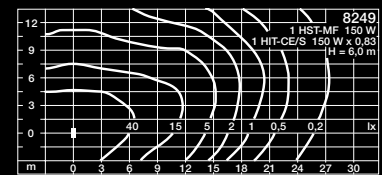
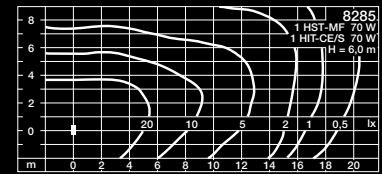
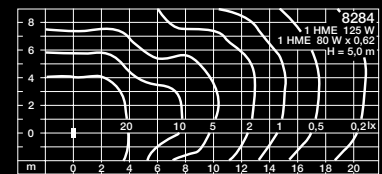
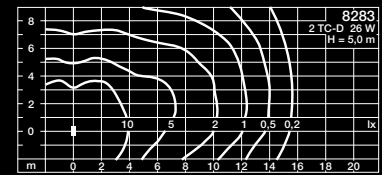
Luminaire poles

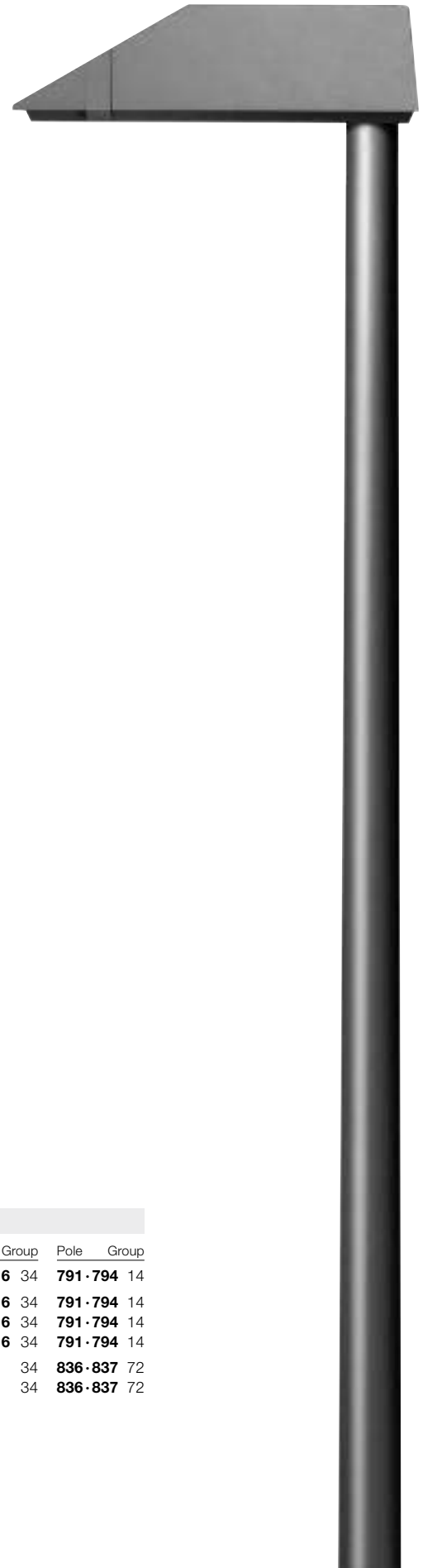
Height	Top	Pole	Group	Pole	Group
3000 - 6000	∅76	918 · 914 · 915 · 916	34	788 · 791 · 794	14
3000 - 6000	∅76	918 · 914 · 915 · 916	34	788 · 791 · 794	14
3000 - 6000	∅76	918 · 914 · 915 · 916	34	788 · 791 · 794	14
3000 - 6000	∅76	918 · 914 · 915 · 916	34	788 · 791 · 794	14
7000 - 9000	∅76	917 · 726	34	835 · 836 · 837	72
7000 - 9000	∅76	917 · 726	34	835 · 836 · 837	72

Pole-top luminaires with asymmetrical light distribution
 Mounting heights 4000 - 9000 mm

Luminaires with asymmetrical, flat beam light distribution, available in two sizes for different light outputs. They are designed to illuminate streets, squares, driveways and pedestrian areas.

To special order, these luminaires are also available with other electrical equipment and in Safety class II.





Pole-top luminaires
for fluorescent lamps and discharge lamps

Protection class IP 65

Die cast aluminium, aluminium and stainless steel

Safety glass

Reflector of pure anodized aluminium

Luminaires open without tools for maintenance and relamping.

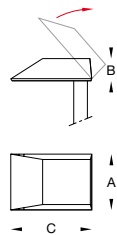
In the table, we recommend BEGA luminaire poles whose surface finish, colour, design and static features match the pole-top luminaires on this double page.

A complete overview including technical data of all BEGA luminaire poles, anchorage units and connection boxes is given on pages 500 - 507.

Colour graphite or silver

graphite – article number

silver – article number + **A**



Pole-top luminaires

	Lamp		Lumen	A	B	C
8283	2 TC-D	26 W	3600	330	145	490
8284	1 HME	80 · 125 W	6800	330	145	490
8285	1 HIT-CE/S · HST-MF	70 W	7000	330	145	490
8249	1 HIT-CE/S · HST-MF	150 W	17 500	330	145	490
8287	1 HME	250 W	14 000	410	165	600
8289	1 HIT · HST-MF	250 W	33 200	410	165	600

Luminaire poles

Height	Top	Pole	Group	Pole	Group
4000 - 6000	Ø 76	914 · 915 · 916	34	791 · 794	14
4000 - 6000	Ø 76	914 · 915 · 916	34	791 · 794	14
4000 - 6000	Ø 76	914 · 915 · 916	34	791 · 794	14
4000 - 6000	Ø 76	914 · 915 · 916	34	791 · 794	14
7000 - 9000	Ø 76	917 · 726	34	836 · 837	72
7000 - 9000	Ø 76	917 · 726	34	836 · 837	72



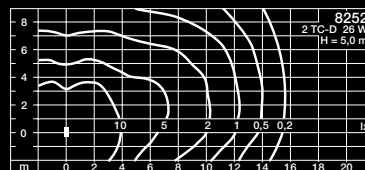
Pole-top luminaires with asymmetrical light distribution Mounting heights 4000 - 9000 mm

Luminaires with asymmetrical, flat beam light distribution, available in two sizes for different light outputs to illuminate streets, squares, driveways and pedestrian areas.

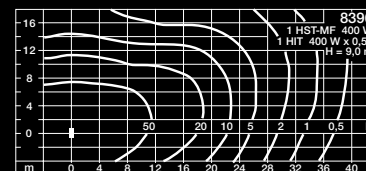
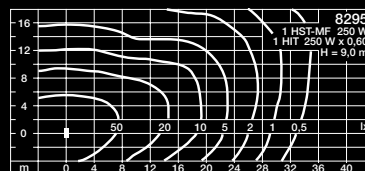
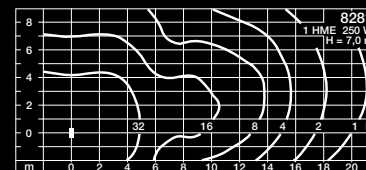
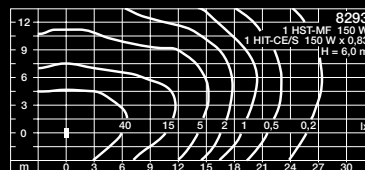
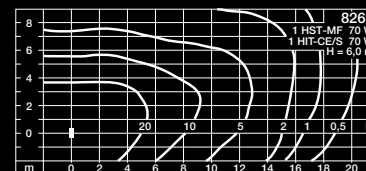
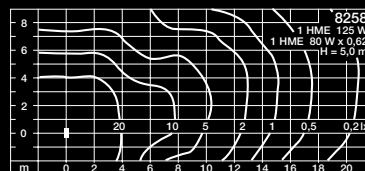
The slope angle of the luminaires can be adjusted to 0° or 15° and therefore to the illuminated surface.

Pole-top luminaires ready for installation in single or double configuration.

To special order, these luminaires are also available with other electrical equipment and in Safety class II.



Wall luminaires
page 228





Single and **double** pole-top luminaires with asymmetrical light distribution
for fluorescent lamps and discharge lamps

Protection class IP 65

Die cast aluminium, aluminium and stainless steel

Safety glass

Reflector of pure anodized aluminium

Adjustable slope angle 0° or 15°

Luminaires open without tools for maintenance and relamping.

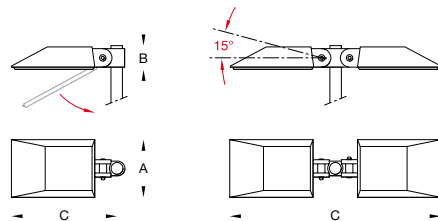
In the table, we recommend BEGA luminaire poles whose surface finish, colour, design and static features match the pole-top luminaires on this double page.

A complete overview including technical data of all BEGA luminaire poles, anchorage units and connection boxes is given on pages 500 - 507.

Colour graphite or silver

graphite – article number

silver – article number + **A**



Single pole-top luminaires

	Lamp		Lumen	A	B	C
8252	2 TC-D	26 W	3600	330	140	630
8258	1 HME	80 · 125 W	6800	330	140	630
8269	1 HIT-CE/S · HST-MF	70 W	7000	330	140	630
8293	1 HIT-CE/S · HST-MF	150 W	17500	330	140	630
8281	1 HME	250 W	14000	410	165	760
8295	1 HIT · HST-MF	250 W	33200	410	165	760
8396	1 HIT · HST-MF	400 W	56500	410	165	760

Luminaire poles

Height	Top	Pole	Group	Pole	Group
4000 - 6000	Ø76	914 · 915 · 916	34	791 · 794	14
4000 - 6000	Ø76	914 · 915 · 916	34	791 · 794	14
4000 - 6000	Ø76	914 · 915 · 916	34	791 · 794	14
4000 - 6000	Ø76	914 · 915 · 916	34	791 · 794	14
7000 - 9000	Ø76	917 · 726	34	836 · 837	72
7000 - 9000	Ø76	917 · 726	34	836 · 837	72
7000 - 9000	Ø76	917 · 726	34	836 · 837	72

Double pole-top luminaires

	Lamp		Lumen	A	B	C
8297	4 TC-D	26 W	7200	330	140	1260
8298	2 HME	80 · 125 W	13600	330	140	1260
8299	2 HIT-CE/S · HST-MF	70 W	14000	330	140	1260
8294	2 HIT-CE/S · HST-MF	150 W	35000	330	140	1260
8282	2 HME	250 W	28000	410	165	1510
8296	2 HIT · HST-MF	250 W	66400	410	165	1510
8399	2 HIT · HST-MF	400 W	113000	410	165	1510

Luminaire poles

Height	Top	Pole	Group	Pole	Group
4000 - 6000	Ø76	914 · 915 · 916	34	791 · 794	14
4000 - 6000	Ø76	914 · 915 · 916	34	791 · 794	14
4000 - 6000	Ø76	914 · 915 · 916	34	791 · 794	14
4000 - 6000	Ø76	914 · 915 · 916	34	791 · 794	14
7000 - 9000	Ø76	917 · 726	34	836 · 837	72
7000 - 9000	Ø76	917 · 726	34	836 · 837	72
7000 - 9000	Ø76	917 · 726	34	836 · 837	72



Outrigger luminaires with asymmetrical light distribution Mounting heights 5000 - 9000 mm

New outrigger system with infinitely adjustable mounting heights.

The mounting height can be adjusted from the horizontal position by ± 1500 mm.

The light distribution can be directed precisely onto the illuminated surface.

Luminaires with spherical reflectors and asymmetrical, flat beam light distribution.

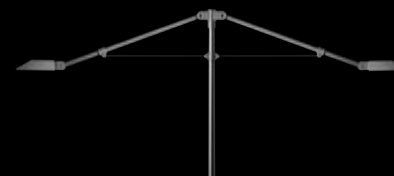
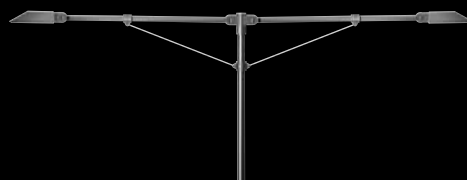
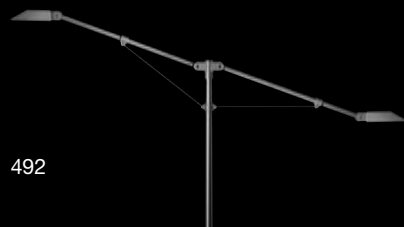
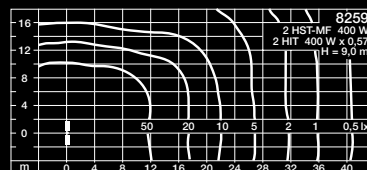
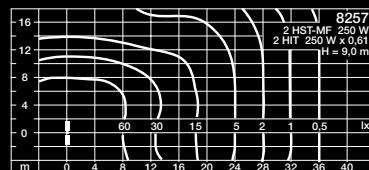
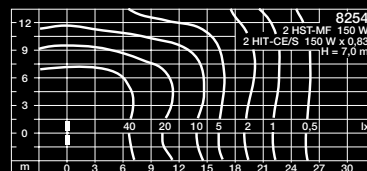
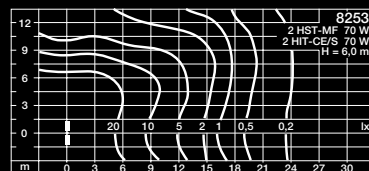
They are designed to illuminate streets, squares and driveways.

Pole-top luminaires ready for installation in single or double configuration.

We also supply these luminaires on request with the light distribution of the pole-top luminaires on page 498.

All technical data are given in the instructions for use for these luminaires.

To special order, these luminaires are also available with other electrical equipment and in Safety class II.





Single and double outrigger luminaires with asymmetrical light distribution for discharge lamps

Protection class IP 65

Die cast aluminium, aluminium and stainless steel · Safety glass
Reflector of pure anodized aluminium

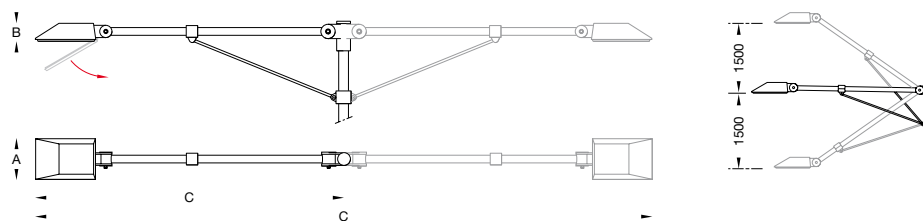
Adjustable slope angle

Luminaires open without tools for maintenance and relamping.

In the table, we recommend BEGA luminaire poles whose surface finish, colour, design and static features match the pole-top luminaires on this double page.

A complete overview including technical data of all BEGA luminaire poles, anchorage units and connection boxes is given on pages 500 - 507.

Colour graphite or silver
graphite – article number
silver – article number + **A**



Single outrigger luminaires

	Lamp		Lumen	A	B	C
8052	1 HIT-CE/S · HST-MF	70 W	7000	330	145	2500
8053	1 HIT-CE/S · HST-MF	150 W	17 500	330	145	2500
8152	1 HIT · HST-MF	250 W	33 200	410	165	2600
8153	1 HIT · HST-MF	400 W	56 500	410	165	2600

Luminaire poles

Height	Top	Pole	Group
5000-7000	∅76	886 · 834 · 835	72
5000-7000	∅76	886 · 834 · 835	72
7000-9000	∅76	835 · 836 · 837	72
7000-9000	∅76	835 · 836 · 837	72

Double outrigger luminaires

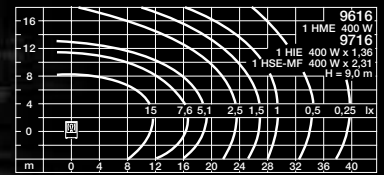
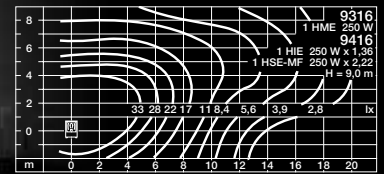
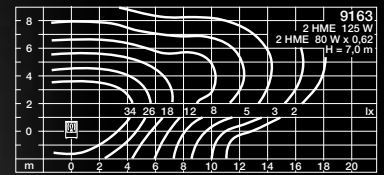
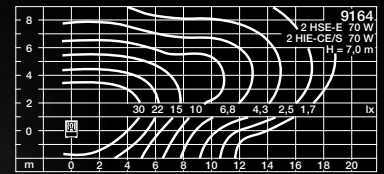
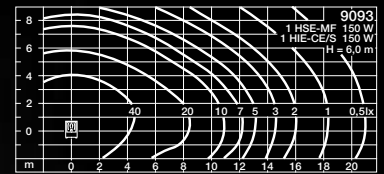
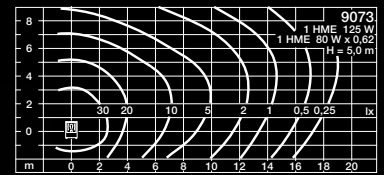
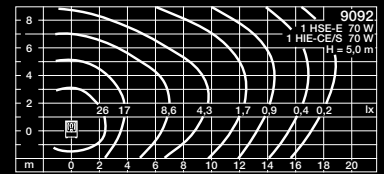
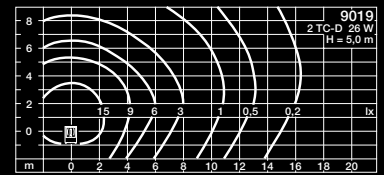
	Lamp		Lumen	A	B	C
8253	2 HIT-CE/S · HST-MF	70 W	14 000	330	145	5000
8254	2 HIT-CE/S · HST-MF	150 W	35 000	330	145	5000
8257	2 HIT · HST-MF	250 W	66 400	410	165	5200
8259	2 HIT · HST-MF	400 W	113 000	410	165	5200

Luminaire poles

Height	Top	Pole	Group
5000-7000	∅76	886 · 834 · 835	72
5000-7000	∅76	886 · 834 · 835	72
7000-9000	∅76	835 · 836 · 837	72
7000-9000	∅76	835 · 836 · 837	72

Pole-top luminaires with asymmetrical light distribution
Mounting heights 4000 - 9000 mm

Luminaires with asymmetrical, flat beam light distribution, available in two sizes for different light outputs to illuminate large surfaces, streets, squares and pedestrian areas.
We supply pole tops for the installation of 2 or 3 pole-top luminaires on poles.
If you wish to install the pole-top luminaires on this double page on walls, wood poles or other building structures, we supply wall arms with different slope angles.
Wall arms and pole tops are shown in the tables.
To special order, these luminaires are also available with other electrical equipment and in Safety class II.





Pole-top luminaires with asymmetrical light distribution
for fluorescent lamps and discharge lamps

Protection class IP 44

Die cast aluminium and stainless steel

Safety glass

9019 Clear plastic diffuser with optical texture

Reflector of pure anodized aluminium

Luminaires open without tools for maintenance and relamping.

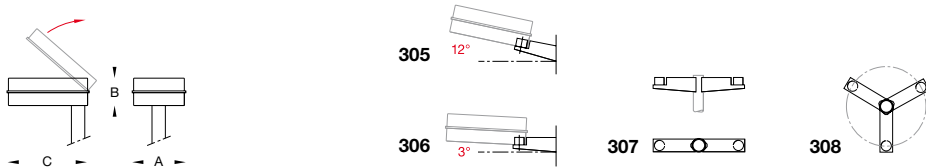
We supply the following as accessories for these pole-top luminaires

- pole tops for the installation of 2 or 3 of the luminaires on this double page on a luminaire pole
- wall arms with slope angle 12° or 3° for the installation of the luminaires on surfaces, corners of buildings or other building structures

In the table, we recommend BEGA luminaire poles whose surface finish, colour, design and static features match the pole-top luminaires on this double page.

A complete overview including technical data of all BEGA luminaire poles, anchorage units and connection boxes is given on pages 500 - 507.

Colour graphite



Pole-top luminaires

Lamp	Lumen	A	B	C
9019 2 TC-D	26 W 3600	310	155	400
9092 1 HIE-CE/S·HSE-E	70 W 5900	310	155	400
9073 1 HME	80·125 W 6800	310	155	400
9093 1 HIE-CE/S·HSE-MF	150 W 17000	310	155	400
9164 2 HIE-CE/S·HSE-E	70 W 11800	360	190	610
9163 2 HME	80·125 W 13600	360	190	610
9316 1 HME	250 W 14000	360	190	610
9416 1 HIE·HSE-MF	250 W 31100	360	190	610
9616 1 HME	400 W 24000	360	190	610
9716 1 HIE·HSE-MF	400 W 55500	360	190	610

Wall arms

- 305** Wall arm slope angle 12°
306 Wall arm slope angle 3°

Luminaire poles

Height	Top	Pole	Group	Pole	Group
4000-6000	Ø76	914·915·916	34	791·794	14
4000-6000	Ø76	914·915·916	34	791·794	14
4000-6000	Ø76	914·915·916	34	791·794	14
5000-7000	Ø76	915·916·917	34	794	14
5000-7000	Ø76	915·916·917	34	794	14
5000-7000	Ø76	915·916·917	34	794	14
5000-7000	Ø76	915·916·917	34	794	14
7000-9000	Ø76	917·726	34	836·837	72
7000-9000	Ø76	917·726	34	836·837	72

Pole tops · Ø76

- 307** Pole top for 2 luminaires
308 Pole top for 3 luminaires

Pole-top luminaires with asymmetrical light distribution Mounting heights 4000 - 9000 mm

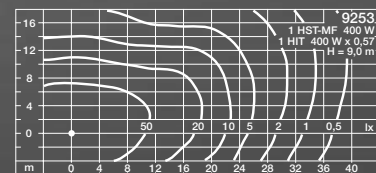
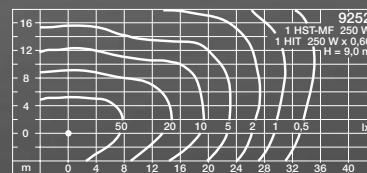
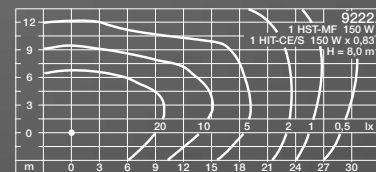
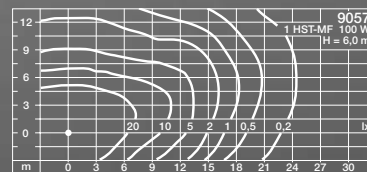
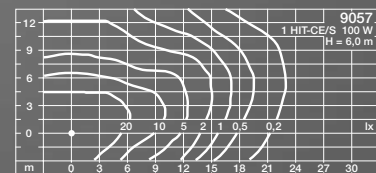
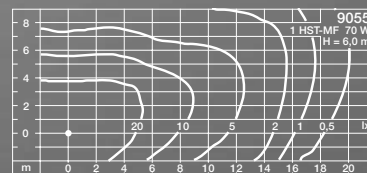
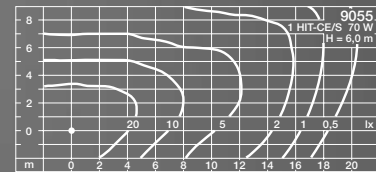
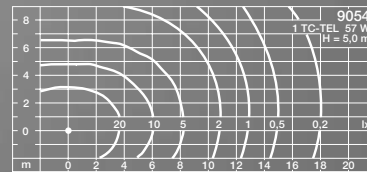
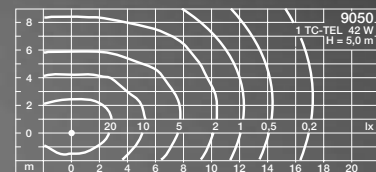
The asymmetrical, flat beam light distribution of these luminaires is ideal for illuminating streets according to DIN EN 13201.

The slope angle of the luminaires is adjustable to 0° or 15° and can be directed onto the illuminated surface.

These pole-top luminaires ready for installation are available in two sizes for single and double configuration.

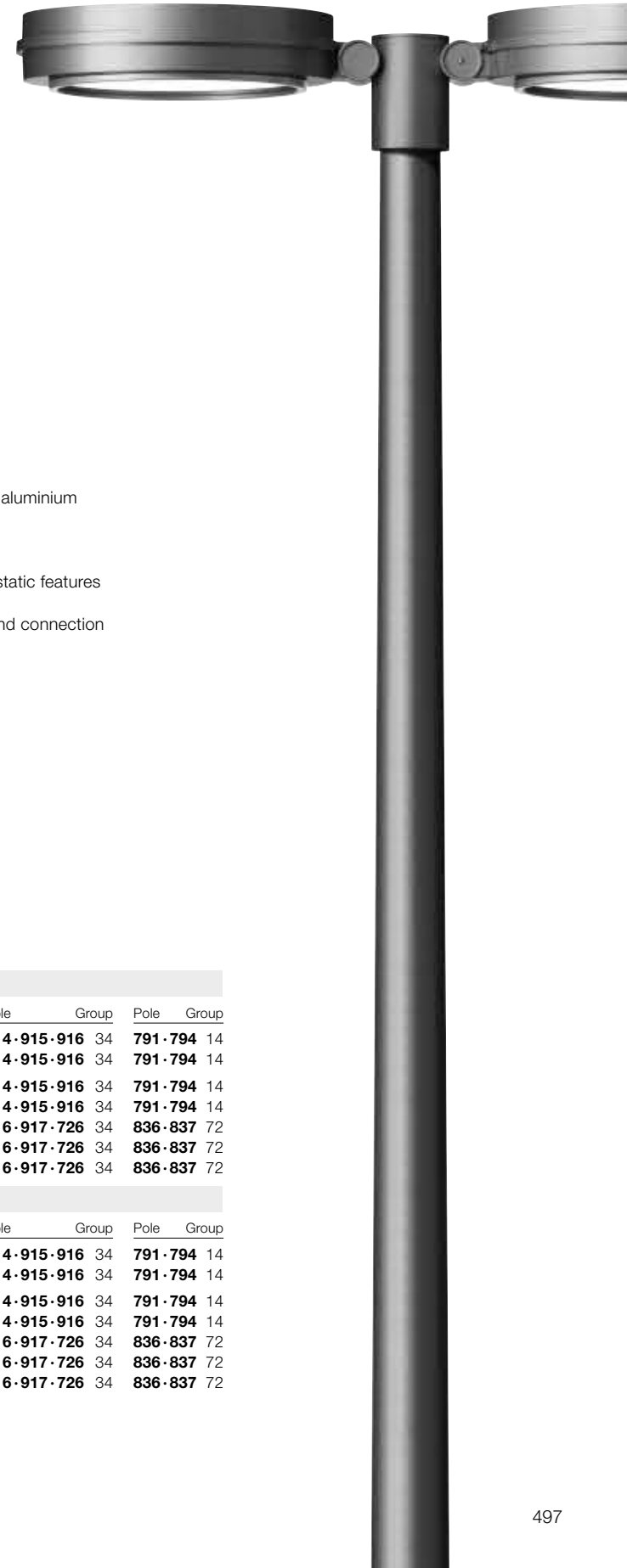
The luminaires for fluorescent lamps TC-TEL are equipped with electronic ballasts. 26 · 32 · 42 W lamps can be used in luminaires 9050 and 9122.

To special order, these luminaires are also available with other electrical equipment and in Safety class II.





Wall luminaires
page 230



Single and **double** pole-top luminaires with asymmetrical light distribution
for fluorescent lamps and discharge lamps

Protection class IP 65

Aluminium, die cast aluminium and stainless steel · Safety glass · Reflector of pure anodized aluminium

Adjustable slope angle 0° or 15° · 9050 · 9054 · 9122 · 9127 with electronic ballast

On request, these luminaires can also be supplied for relamping without tools.

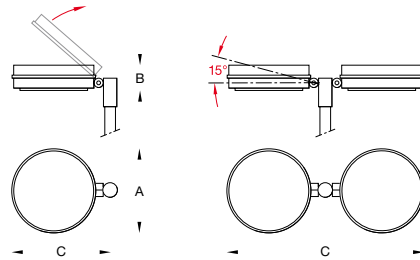
In the table, we recommend BEGA luminaire poles whose surface finish, colour, design and static features match the pole-top luminaires on this double page.

A complete overview including technical data of all BEGA luminaire poles, anchorage units and connection boxes is given on pages 500-507.

Colour graphite or silver

graphite – article number

silver – article number + A



Single pole-top luminaires

Lamp	Lumen	A	B	C
9050 1 TC-TEL	42 W 3200	420	100	510
9054 1 TC-TEL	57 W 4300	420	100	510
9055 1 HIT-CE/S · HST-MF	50-70 W 7000	420	100	510
9057 1 HIT-CE/S · HST-MF	100 W 10700	420	100	510
9222 1 HIT-CE/S · HST-MF	150 W 17500	620	130	710
9252 1 HIT · HST-MF	250 W 33200	620	130	710
9253 1 HIT · HST-MF	400 W 56500	620	130	710

Double pole-top luminaires

Lamp	Lumen	A	B	C
9122 2 TC-TEL	42 W 6400	420	100	1020
9127 2 TC-TEL	57 W 8600	420	100	1020
9141 2 HIT-CE/S · HST-MF	50-70 W 14000	420	100	1020
9155 2 HIT-CE/S · HST-MF	100 W 21400	420	100	1020
9191 2 HIT-CE/S · HST-MF	150 W 35000	620	130	1420
9192 2 HIT · HST-MF	250 W 66400	620	130	1420
9193 2 HIT · HST-MF	400 W 113000	620	130	1420

Luminaire poles

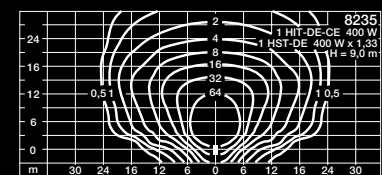
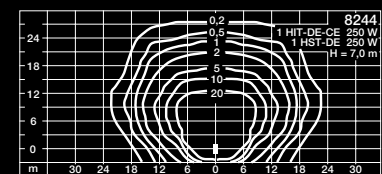
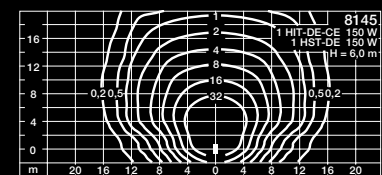
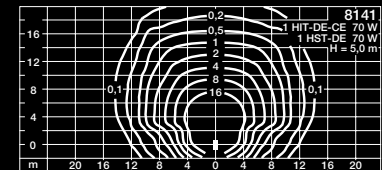
Height	Top	Pole	Group	Pole	Group
4000-6000	Ø76	914·915·916	34	791·794	14
4000-6000	Ø76	914·915·916	34	791·794	14
4000-6000	Ø76	914·915·916	34	791·794	14
4000-6000	Ø76	914·915·916	34	791·794	14
6000-9000	Ø76	916·917·726	34	836·837	72
6000-9000	Ø76	916·917·726	34	836·837	72
6000-9000	Ø76	916·917·726	34	836·837	72

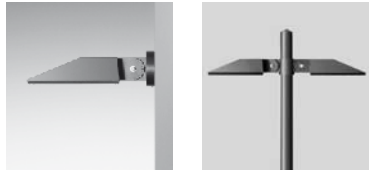
Luminaire poles

Height	Top	Pole	Group	Pole	Group
4000-6000	Ø76	914·915·916	34	791·794	14
4000-6000	Ø76	914·915·916	34	791·794	14
4000-6000	Ø76	914·915·916	34	791·794	14
4000-6000	Ø76	914·915·916	34	791·794	14
6000-9000	Ø76	916·917·726	34	836·837	72
6000-9000	Ø76	916·917·726	34	836·837	72
6000-9000	Ø76	916·917·726	34	836·837	72

Surface washers as pole-top luminaires
Mounting heights 4000 - 9000 mm

The asymmetrical light distribution of these surface washers is particularly suitable for in-depth illumination of surfaces and squares.
The slope angle of the surface washers can be adjusted. The light distribution can be directed precisely onto the illuminated surface.
Pole-top luminaires ready for installation in three sizes in single and double configuration. On request, we supply luminaires of this design in quadruple configuration.
To special order, these luminaires are also available with other electrical equipment and in Safety class II.





Wall luminaires
page 224



Single and **double** pole-top luminaires with asymmetrical light distribution
for discharge lamps

Protection class IP 65

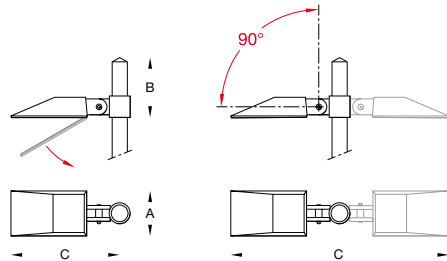
Die cast aluminium, aluminium and stainless steel · Safety glass
Reflector of pure anodized aluminium

Adjustable slope angle 0° to 90°

In the table, we recommend BEGA luminaire poles whose surface finish, colour,
design and static features match the pole-top luminaires on this double page.

A complete overview including technical data of all BEGA luminaire poles,
anchorage units and connection boxes is given on pages 500 - 507.

Colour graphite or silver
graphite – article number
silver – article number + **A**



Single pole-top luminaires

	Lamp	Lumen	A	B	C
8141	1 HI/HST-DE 70 W	6900	225	290	500
8145	1 HI/HST-DE 150 W	15 000	225	290	500
8244	1 HI/HST-DE 250 W	25 500	315	290	600
8235	1 HI/HST-DE 400 W	48 000	420	420	800

Luminaire poles

Height	Top	Pole	Group	Pole	Group
4000 - 5000	Ø76	914·915	34	791·794	14
5000 - 6000	Ø76	915·916	34	794	14
6000 - 7000	Ø76	916·917	34	834·835	72
7000 - 9000	Ø76	917·726	34	836·837	72

Double pole-top luminaires

	Lamp	Lumen	A	B	C
8142	2 HI/HST-DE 70 W	13 800	225	290	1000
8146	2 HI/HST-DE 150 W	30 000	225	290	1000
8246	2 HI/HST-DE 250 W	51 000	315	290	1200
8236	2 HI/HST-DE 400 W	96 000	420	420	1600

Luminaire poles

Height	Top	Pole	Group	Pole	Group
4000 - 5000	Ø76	914·915	34	791·794	14
5000 - 6000	Ø76	915·916	34	794	14
6000 - 7000	Ø76	916·917	34	834·835	72
7000 - 9000	Ø76	917·726	34	836·837	72

Aluminium luminaire poles with base plate · DIN EN 40

Painted surface finish

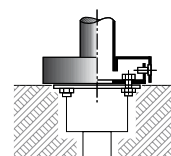
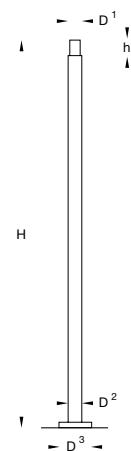
Luminaire poles with base plate for installation on an anchorage unit or foundation.
Corrosion-resistant poles made of aluminium and die cast aluminium with static strength according to DIN EN 40.

The luminaire poles are pretreated, powder coated and supplied with a high-quality enamel finish. They are equipped with a die cast aluminium door, C-clamp and sliding nuts to accommodate a connection box and earth conductor connection. Matching connection boxes and anchorage units are given in the table.

Technical data, page 507.

We supply luminaire poles in the same colour and surface finish as the ordered luminaires.
Poles in RAL and DB colours are supplied at the catalogue price.

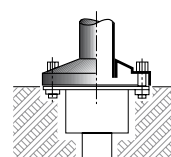
Aluminium luminaire poles with base plate · Painted										
Illustration	Pole	Height	D ¹	h	D ²	D ³	System	kg	Connection box	Anch. unit
Group 11	790	1000	48	-	48	165	1	1.8	without door	895
	997	1000	60	-	60	165	1	4.0	without door	895
	793	1500	60	-	60	165	1	5.5	without door	895
	992	1700	48	-	48	165	1	3.0	without door	895
	994	2000	60	-	60	165	1	7.0	without door	895
Group 12	907	2000	60	90	82	220	1	10.0	A	896
	908	2000	60	100	100	220	1	11.0	A	896
	722	2500	60	90	82	220	1	12.0	A	896
	930	3000	60	120	120	300	1	18.0	B · C · D	897
	732	3500	76	130	135	340	2	22.0	B · C · D	899
	729	3500	76	80	135	340	2	22.0	B · C · D	899
	733	4000	76	130	135	340	2	25.0	B · C · D	899
	728	4000	76	80	135	340	2	25.0	B · C · D	899
	731	4000	76	100	170	360	2	49.0	B · C · D	899
Group 13	734	5000	76	100	170	360	2	56.0	B · C · D	899
	937	2500	60	-	100	220	1	11.0	A	896
	944	3000	76	-	120	300	1	15.0	B · C · D	897
	746	3500	76	-	120	300	1	16.5	B · C · D	897
Group 14	747	4000	76	-	135	340	2	18.0	B · C · D	899
	985	2500	60	-	115	300	1	12.0	A · B · C	897
	986	3000	60	-	115	300	1	14.0	A · B · C	897
	788	3000	76	-	135	340	2	15.0	B · C · D	899
	786	3500	60	-	135	340	2	16.0	B · C · D	899
	789	3500	76	-	135	340	2	16.0	B · C · D	899
	787	4000	60	-	135	340	2	17.0	B · C · D	899
	791	4000	76	-	135	340	2	17.0	B · C · D	899
	792	4500	76	-	135	340	2	19.0	B · C · D	899
	794	5000	76	-	135	340	2	21.0	B · C · D	899
Group 15	927	3700	76	-	135	400	1	26.0	B · C · D	898
	928	4200	76	-	135	400	1	27.5	B · C · D	898
	926	5000	76	-	135	400	1	30.0	B · C · D	898



System 1

A bottom plate is bolted to an anchorage unit or foundation.

The luminaire pole with base plate is placed on the bottom plate and connected by lateral stainless steel bolts.



System 2

The luminaire pole with its base plate is bolted **directly** to the foundation or anchorage unit.

When mounted on a foundation, the fixing bolts must be provided by the customer.



Group 11

Group 12

Group 13

Group 14

Group 15

Aluminium luminaire poles with anchorage section · DIN EN 40

Painted surface finish

Luminaire poles with anchorage section. Corrosion-resistant poles made of aluminium with static strength according to DIN EN 40.

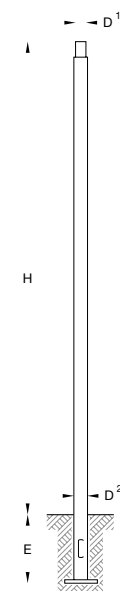
The luminaire poles are pretreated, powder coated and supplied with a high-quality enamel finish. They are equipped with a die cast aluminium door, C-clamp and sliding nuts to accommodate a connection box and earth conductor connection. Matching connection boxes are given in the table.

Technical data, page 507.

We supply luminaire poles in the same colour and surface finish as the ordered luminaires. Poles in RAL and DB colours are supplied at the catalogue price.

Aluminium luminaire poles with anchorage section · Painted								
Illustration	Pole	Height	D ¹	h	D ²	E	kg	Connection box
Group 31	934	600	48	-	48	400	1.5	without door
	941	1000	60	-	60	400	3.0	without door
	938	1700	48	-	48	400	3.0	without door
	943	2000	60	-	60	500	6.0	without door
	945	2000	82	-	82	500	7.0	A
	954	2500	82	-	82	500	8.0	A
	958	3000	100	-	100	500	12.0	A
	957	3000	120	-	120	500	15.0	B · C · D
	959	3500	100	-	100	600	15.0	A
	965	3500	120	-	120	600	18.0	B · C · D
	960	4000	100	-	100	600	16.0	A
	974	4000	120	-	120	600	20.0	B · C · D
	989	4500	120	-	120	800	22.0	B · C · D
	Group 32	740	2000	60	90	82	500	7.0
741		2500	60	90	82	500	9.0	A
909		3000	82	120	100	500	13.0	A
906		3500	76	130	135	800	20.0	B · C · D
739		3500	76	80	135	800	20.0	B · C · D
742		4000	76	130	135	800	23.0	B · C · D
738		4000	76	80	135	800	23.0	B · C · D
737		4000	76	100	170	800	33.0	B · C · D
743		4500	76	130	135	800	27.0	B · C · D
736		4500	76	80	135	800	27.0	B · C · D
744		5000	76	130	135	800	31.0	B · C · D
727		5000	76	80	135	800	31.0	B · C · D
748		5000	76	100	170	1000	38.0	B · C · D
749		6000	89	120	220	1000	65.0	B · C · D
750		7000	89	120	220	1000	75.0	B · C · D

Aluminium luminaire poles with anchorage section · Painted								
Illustration	Pole	Height	D ¹	D ²	E	kg	Connection box	
Group 33	951	3000	76	120	500	12.0	B · C · D	
	956	3500	76	120	600	15.0	B · C · D	
	969	4000	76	135	800	17.0	B · C · D	
	996	4500	76	150	800	25.0	B · C · D	
	977	5000	76	160	1000	30.0	B · C · D	
	Group 34	910	2500	60	115	500	9.0	A · B · C
911		3000	60	115	500	10.0	A · B · C	
918		3000	76	135	600	11.0	B · C · D	
912		3500	60	115	600	12.0	A · B · C	
913		3500	76	135	600	13.0	B · C · D	
724		4000	60	135	600	14.0	B · C · D	
914		4000	76	135	600	15.0	B · C · D	
725		4500	76	135	800	18.0	B · C · D	
915		5000	76	135	800	19.0	B · C · D	
916		6000	76	145	1000	27.0	B · C · D	
917		7000	76	145	1200	34.0	B · C · D	
726		8000	76	145	1200	56.0	B · C · D	



Aluminium swan-neck poles with anchorage section · Painted								
Illustration	Pole	Height	D ¹	D ²	E	kg	Connection box	
Group 51	990	4300	G ½	120	800	19.0	B · C · D	for 1 luminaire
	991	4300	G ½	120	800	23.0	B · C · D	for 2 luminaires
	993	4300	G ½	135	800	30.0	B · C · D	for 3 luminaires



Group 31



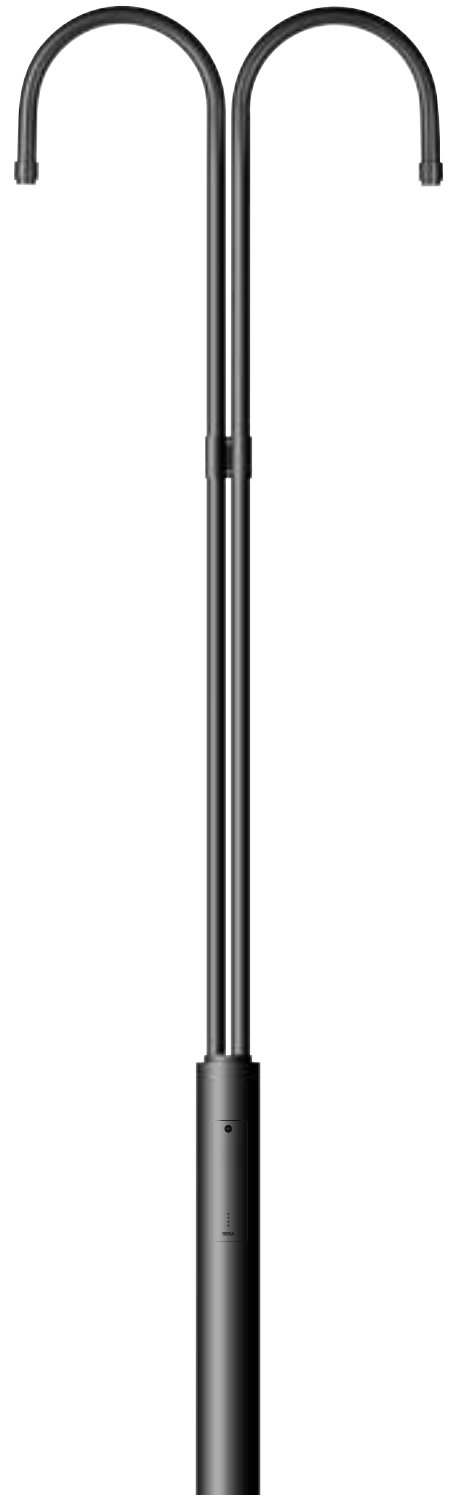
Group 32



Group 33



Group 34



Group 51

Steel luminaire poles with anchorage section · DIN EN 40 Galvanized · Painted surface finish

Galvanized, seamless steel luminaire poles with static strengths according to DIN EN 40.

The poles in Group 72 are pretreated, powder coated and supplied with a high-quality enamel finish. They are equipped with a die cast aluminium door, C-clamp and sliding nuts to accommodate a connection box and earth conductor connection. Matching connection boxes are given in the table.

Technical data, page 507.

We supply luminaire poles in Group 72 in the same colour and surface finish as the ordered luminaires. Poles in RAL and DB colours are supplied at the catalogue price.

Luminaire poles made of galvanized steel are also supplied on request in heights 12 000 · 14 000 · 16 000 · 18 000 mm.

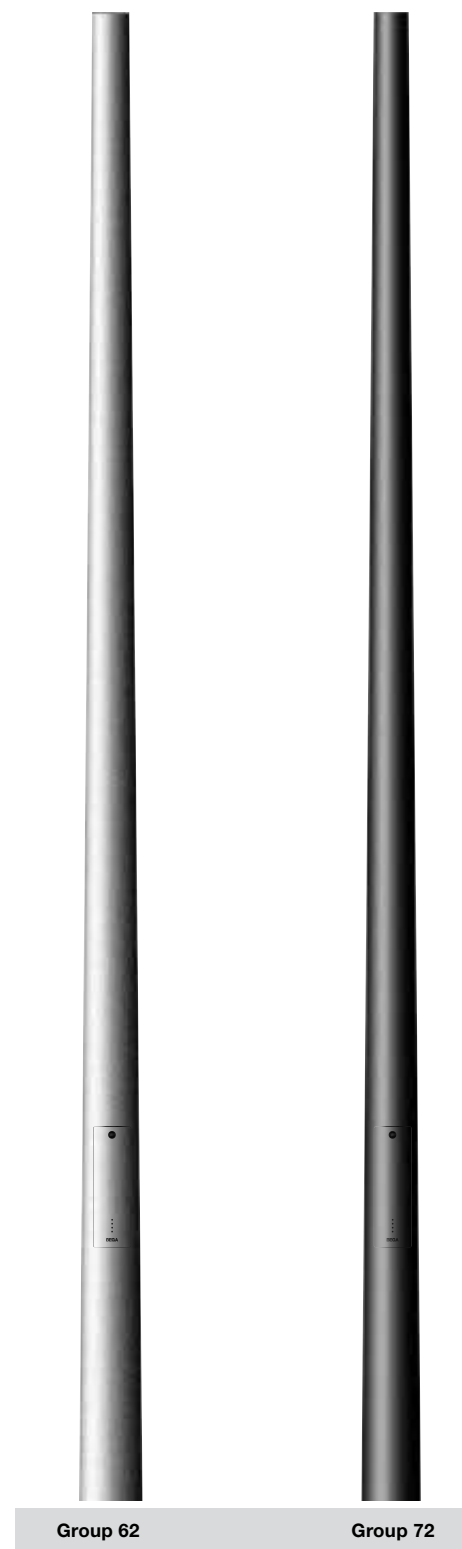
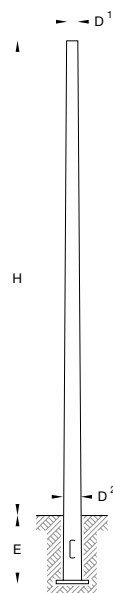
On request we also produce special pole constructions.

Steel poles with anchorage section · Galvanized

Illustration	Pole	Height	D ¹	D ²	E	kg	Connection box
Group 62	800	2500	60	115	800	25.0	A · B · C
	801	3000	60	115	800	28.0	A · B · C
	811	3000	76	115	800	31.0	A · B · C
	802	3500	60	115	800	35.0	A · B · C
	815	3500	76	115	800	36.0	A · B · C
	803	4000	60	115	800 <td 38.0	A · B · C	
	804	4000	76	135	800	42.0	B · C · D
	817	4500	76	135	800	46.0	B · C · D
	805	5000	76	135	800	52.0	B · C · D
	806	6000	76	140	1000	68.0	B · C · D
	807	7000	76	160	1200	96.0	B · C · D
	808	8000	76	170	1200	119.0	B · C · D
	809	9000	76	195	1500	151.0	B · C · D
810	10 000	89	195	1500	189.0	B · C · D	

Steel poles with anchorage section · Galvanized and painted

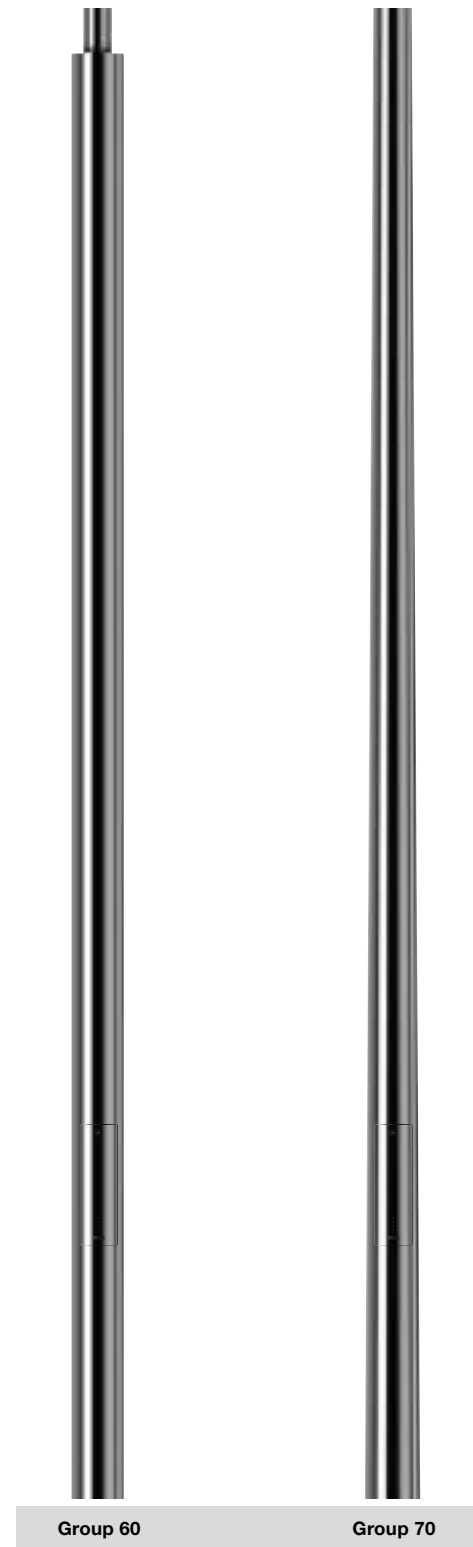
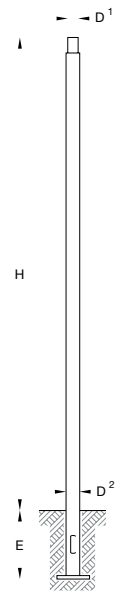
Illustration	Pole	Height	D ¹	D ²	E	kg	Connection box
Group 72	880	2500	60	115	800	25.0	A · B · C
	881	3000	60	115	800	28.0	A · B · C
	888	3000	76	115	800	31.0	A · B · C
	882	3500	60	115	800	35.0	A · B · C
	885	3500	76	115	800	36.0	A · B · C
	883	4000	60	115	800	38.0	A · B · C
	884	4000	76	135	800	42.0	B · C · D
	887	4500	76	135	800	46.0	B · C · D
	886	5000	76	135	800	52.0	B · C · D
	834	6000	76	140	1000	68.0	B · C · D
	835	7000	76	160	1200	96.0	B · C · D
	836	8000	76	170	1200	119.0	B · C · D
	837	9000	76	195	1500	151.0	B · C · D
838	10 000	89	195	1500	189.0	B · C · D	



STAINLESS STEEL luminaire poles **with anchorage section** · DIN EN 40
cylindrical or tapered

Luminaire poles made of stainless steel with anchorage section.
Corrosion-resistant poles made of stainless steel with static strengths according to DIN EN 40.
The luminaire poles are equipped with door, C-clamp and sliding bolts to accommodate a connection box and PE connection.
Matching connection boxes are given in the table.
For technical data, see page 507.
To special order, we also supply these poles with a base plate.
Other dimensions and heights are available on request.

Stainless steel poles with anchorage section								
Illustration	Pole	Height	D ¹	h	D ²	E	kg	Connection box
Group 60	822	1000	60	-	60	400	5,0	without door
	824	2000	60	-	60	500	9,0	without door
	823	2000	60	100	85	500	11,0	A
	825	3000	60	110	105	500	20,0	A · B
	826	3500	60	110	105	600	24,0	A · B
Group 70	872	3000	60	-	115	800	29,0	A · B · C
	874	3500	60	-	115	800	34,0	A · B · C
	875	3500	76	-	115	800	35,0	A · B · C
	876	4000	60	-	115	800	37,0	A · B · C
	877	4000	76	-	135	800	43,0	B · C · D





160



161 · 162



163



164 · 165

Installation housings with

- sockets or
- switches

for installation in BEGA luminaire poles or garden luminaires and bollards with

- diameter ≥ 82 mm oder
- cross-section $\geq 80 \times 80$ mm

Protection class IP 44

Installation housings made of die cast aluminium and stainless steel

Cover made of glass-fibre reinforced plastic · Colour graphite

Installation in luminaire poles is prepared at the factory but must be carried out by the customer due to the risk of damage during transportation.

Installation in garden luminaires and bollards is carried out at the factory.

We supply installation housings in the same colour as the ordered luminaires or poles either in graphite, white or silver.

graphite – article number

white – article number + **W**

silver – article number + **A**

The illustrations show the installation housings when open.



160	Install. housing with safety socket outlet	G	16 A · 250 V~
166	Install. housing with safety socket outlet	B/F	16 A · 250 V~
167	Install. housing with safety socket outlet	GB	13 A · 250 V~
168	Install. housing with safety socket outlet	US	20 A · 125 V~
161	Installation housing with ON/OFF switch	ON/OFF	10 A · 250 V~
162	Installation housing with NOC push switch	NOC	10 A · 250 V~
163	Installation housing with control switch	ON/OFF	10 A · 250 V~
164	Installation housing with key-operated switch	ON/OFF	10 A · 250 V~
165	Installation housing with key-operated switch pushbutton		10 A · 250 V~
180	Key cylinder for 164 + 165		3 keys assorted



Anchorage units

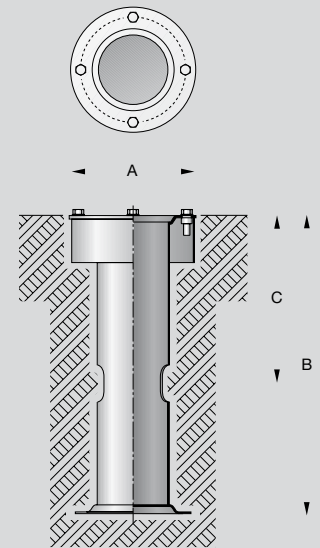
for fixing luminaires and luminaire poles with a base plate in the ground.
 The welded construction made of galvanized steel comprises a bottom plate, tube and flange plate with threaded bushes made of stainless steel.
 Stainless steel bolts are also supplied with the anchorage unit to connect the luminaires or luminaire poles to the anchorage unit.
 Information on matching anchorage units is given in the table for the respective luminaires or poles.

		Bolts	A	B	C
894	Anchorage	3 x 120° M 6	95	400	330
895	Anchorage	3 x 120° M 8	130	400	330
896	Anchorage	3 x 120° M 8	165	500	350
897	Anchorage	4 x 90° M 10	230	600	450
898	Anchorage	4 x 90° M 12	310	800	450
899	Anchorage	4 x 90° M 16	340	800	450

Connection boxes

for installation in bollards or luminaire poles.
 Housings are made of impact-resistant plastic.
 The connection boxes meet the requirements of DIN 43 628/VDE 0660 · Part 505.
 Information on the matching type of anchorage unit is given in the table for the respective luminaire or pole

Type		Pole Ø/D2	Fuses	Inputs	Outputs	Prot. class	A	B
A	623	≥ 60mm	1 Fine 6.3 A	2 · 3x2.5 [□]	1 · 3x1.5 [□]	IP 55	45	160
	632	≥ 82mm	1 Neozed 16 A	2 · 5x 6 [□]	1 · 3x1.5 [□]	IP 55	55	160
B	629	≥ 110mm	2 Neozed 16 A	3 · 5x10 [□]	2 · 3x1.5 [□]	IP 54	65	240
C	644	≥ 110mm	2 Neozed 16 A	2 · 5x16 [□]	2 · 3x2.5 [□]	IP 44	70	230
D	647	≥ 120mm	3 Neozed 16 A	3 · 5x16 [□]	2 · 5x2.5 [□]	IP 54	80	255
	650	≥ 120mm	6 Fine 10 A	2 · 5x 4 [□]	6 · 3x1.5 [□]	IP 54	80	255



Accessories for BEGA floodlights with G ½ mounting bush

Accessories for portable or permanent operation of BEGA floodlights with G ½ · DIN ISO 228 mounting bush.

The floodlights on pages 258 - 265 and 274 - 281 of this catalogue can be bolted to the accessories shown on this double page to meet the requirements of diverse applications.

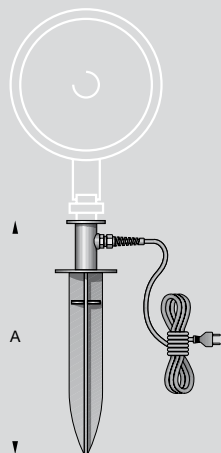
We supply accessories in the same colour as the ordered luminaires or poles, either in graphite, white or silver.

graphite – article number

white – article number + **W**

silver – article number + **A**

Earth spike 204 · Colour graphite

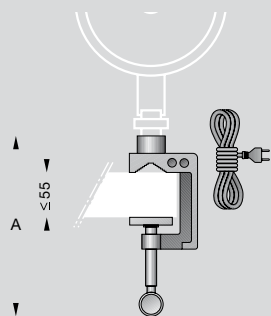


Earth spike

Glass-fibre reinforced plastic · Colour graphite
5 m connecting cable with safety plug

A

204 Earth spike with G ½ mounting bush 390

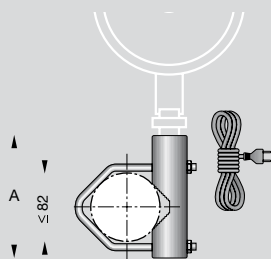


Screw clamp

Die cast aluminium and glass-fibre reinforced plastic
5 m connecting cable with safety plug

A

283 Screw clamp with G ½ mounting bush 200

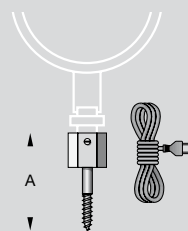


Tube clamp

Die cast aluminium and stainless steel
5 m connecting cable with safety plug

A

280 Tube clamp with G ½ mounting bush 140



Wood screw

Stainless steel
5 m connecting cable with safety plug

A

252 Wood screw with G ½ mounting bush 80

Mounting box · Rectangular

for installation of a floodlight on pillars, walls or under ceilings
 Protection class IP 65
 Die cast aluminium and stainless steel
 2 cable entries
 3x2.5[□] connecting terminal

		A	B	C
245	Mounting box with G ½ mounting bush	60	125	55

Mounting boxes · Round

for installation of a floodlight on pillars, walls or under ceilings
 Protection class IP 65
 Die cast aluminium and stainless steel
 2 cable entries
 3x2.5[□] connecting terminal

		A	B
217	Mounting box with G ½ mounting bush	∅ 110	45
294	Mounting box with G ½ mounting bush	∅ 130	50
284	Mounting box with G ½ mounting bush	∅ 150	55

Mounting box for foundation or anchorage unit

for installation of a floodlight on a foundation or anchorage unit 894
 Protection class IP 65
 Die cast aluminium and stainless steel
 2 cable entries for connecting cable ∅9-15 mm
 3x4[□] connecting terminal
 Anchorage units are accessories and must be ordered separately.
 Technical data of anchorage units, page 507

		A	B
221	Mounting box with G ½ mounting bush	∅ 130	80
894	Anchorage unit for mounting box 221		

Pole caps for luminaire poles

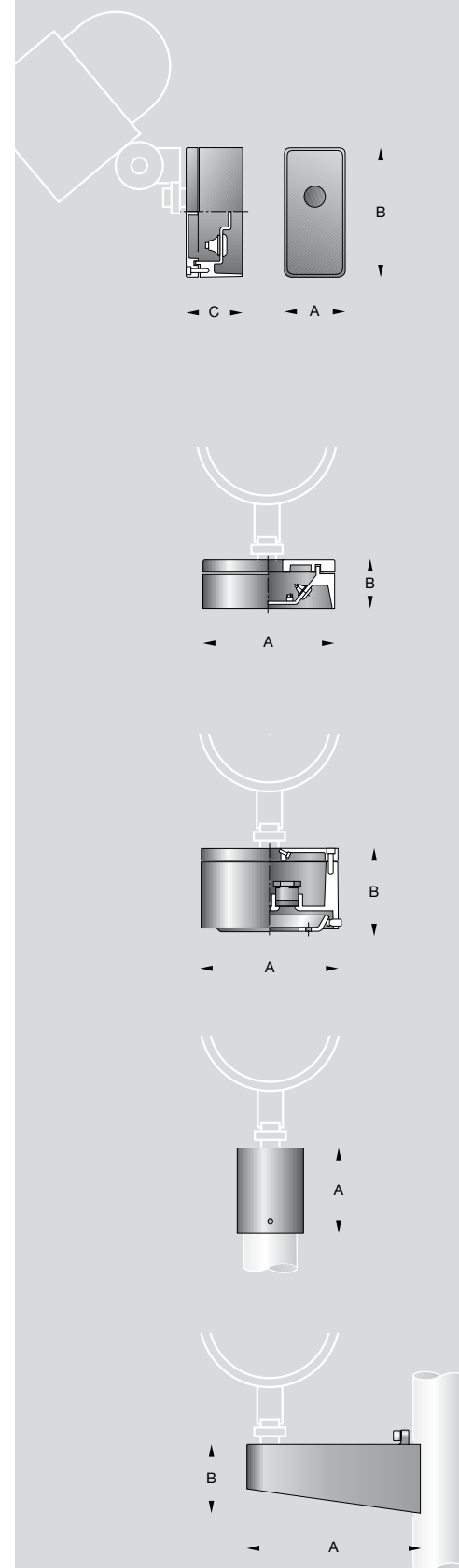
for installation of a floodlight on a luminaire pole
 Die cast aluminium and stainless steel

		Pole top	A
214	Pole cap with G ½ mounting bush	∅48	60
248	Pole cap with G ½ mounting bush	∅60	90
249	Pole cap with G ½ mounting bush	∅76	105
229	Pole cap with G ½ mounting bush	∅82	110

Outrigger arm

for installation of a floodlight on a luminaire pole ∅ ≥ 60 mm or walls
 Die cast aluminium, aluminium and stainless steel
 3x2.5[□] connecting terminal

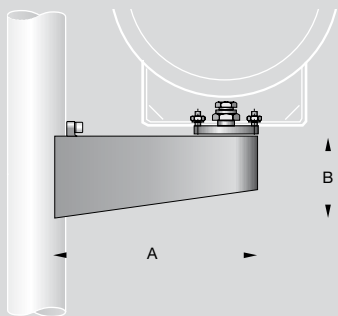
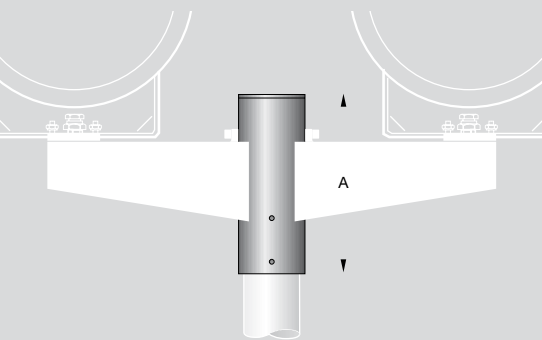
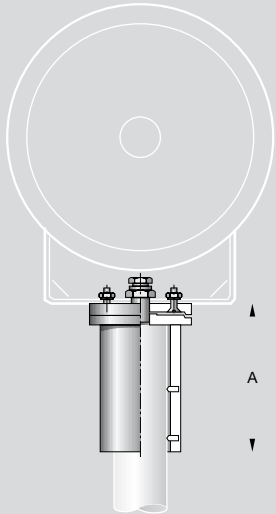
		A	B
379	Outrigger arm with G ½ mounting bush	190	80



Accessories for BEGA power floodlights with
 bracket with 1 central hole $\varnothing 22$ mm
 and 2 holes $\varnothing 9$ mm · Spacing 80 mm

Accessories for permanent operation of BEGA power floodlights.
 The floodlights on pages 266 - 271 and 282 - 285 of this catalogue
 can be bolted to the accessories shown on this double page to
 meet the requirements of diverse applications.

We supply the accessories in the same colour as the ordered
 luminaires or poles, either in graphite or silver.
 graphite – article number
 silver – article number + **A**



Pole caps

for installation of a floodlight on a luminaire pole

Die cast aluminium and stainless steel

1 cable entry

		Pole top	Insert depth	A
341	Pole cap	$\varnothing 60$	150	175
342	Pole cap	$\varnothing 76$	150	175
343	Pole cap	$\varnothing 89$	150	175

Pole caps

for installation of 1 or 2 outrigger arms 391 · 498 on a luminaire pole

Protection class IP 44

Die cast aluminium, aluminium and stainless steel

3x2.5[□] connecting terminals

		Pole top	Insert depth	A
386	Pole cap for 1 or 2 outrigger arms	$\varnothing 60$	120	320
387	Pole cap for 1 or 2 outrigger arms	$\varnothing 76$	120	340
388	Pole cap for 1 or 2 outrigger arms	$\varnothing 89$	120	340

Outrigger arms with or without discharge unit

for installation of a floodlight on a luminaire pole $\varnothing \geq 76$ mm,
 pole caps 386 · 387 · 388 or walls

Protection class IP 44

Die cast aluminium, aluminium and stainless steel

Anschlußklemmen 3x2.5[□]

1 Leitungsverschraubung

			A	B
391	Outrigger arm without discharge unit		280	165
498	Outrigger arm w/disch. unit for HST 600 W		280	165

Mounting box

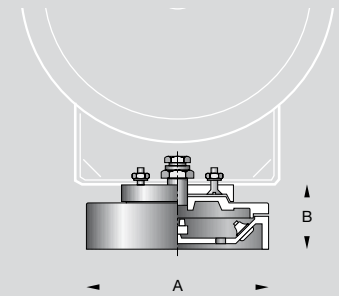
for installation of a floodlight on pillars, walls, foundations or under ceilings

Protection class IP 55

Die cast aluminium and stainless steel

2 cable entries · 5 x 4[□] connecting terminals

	A	B
348 Mounting box	∅ 180	80



Mounting base for accommodation of a branch box

for installation of a floodlight on pillars, walls, foundations or anchorage unit 895

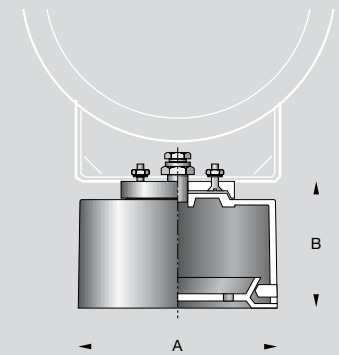
Die cast aluminium and stainless steel

Galvanized steel mounting plate

Anchorage units are accessories and must be ordered separately.

Technical data of anchorage units, page 507

	A	B
208 Mounting base	∅ 200	120
895 Anchorage unit for mounting base 208		



Mounting box for foundation or anchorage unit

for installation of a floodlight on a foundation or anchorage units 895 or 896

Protection class IP 65

Die cast aluminium and stainless steel

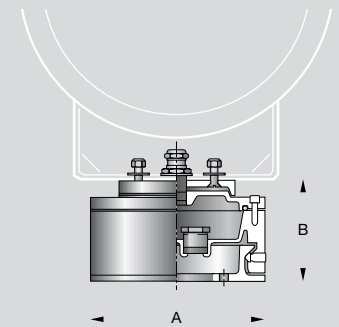
2 cable entries for connecting cable ∅9-15 mm

3 x 4[□] connecting terminal

Anchorage units are accessories and must be ordered separately.

Technical data of anchorage units, page 507

	A	B
225 Mounting box	∅ 180	110
895 Anchorage unit for mounting box 225		
896 Anchorage unit for mounting box 225		



Control gear boxes with discharge units

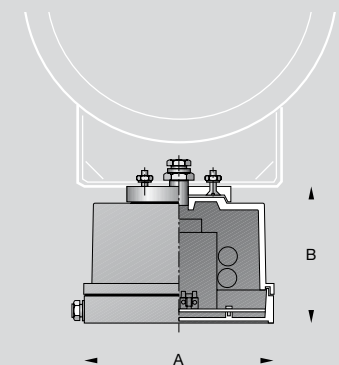
for floodlights with discharge lamps

Protection class IP 54

Die cast aluminium and stainless steel

2 cable entries · 4[□] connecting terminals

			A	B
414 Contr. gear box for HI/HS	250 W	240 x 180	150	
212 Contr. gear box for HST	600 W	240 x 180	160	
207 Contr. gear box for HIT	1000 W	360 x 260	210	
202 Contr. gear box for HIT	400 V · 2000 W	360 x 260	210	





Multiple pole tops

for multiple configuration of floodlights on the BEGA steel poles given on page 504.

Multiple pole tops ready for installation for 2, 3, 4 or 6 floodlights.

Sextuple pole top 766 is however only suitable for floodlights up to Ø350 mm on a standard pole. A reinforced steel pole is required for floodlights of Ø460 mm, and this is available to special order.

Shields cannot be used for static reasons.

Matching connection boxes are given on page 507.

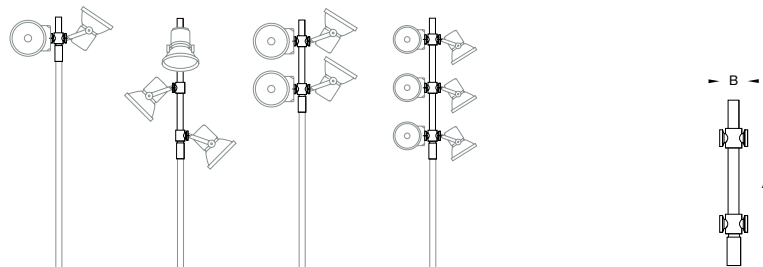
All important technical data are given in the instructions for use for these multiple pole tops.

Die cast aluminium, aluminium and stainless steel

Colour graphite or silver

graphite – article number

silver – article number + **A**



		Pole top	Insert depth	A	B
762	Pole top for 2 floodlights	Ø 76	150	565	195
763	Pole top for 3 floodlights	Ø 76	150	1765	195
764	Pole top for 4 floodlights	Ø 76	150	1165	195
766	Pole top for 6 floodlights	Ø 76	150	1765	195

Cross beams

for multiple configuration of the floodlights on pages 266 - 271.

Cross beams can be mounted on walls, support structures and under ceilings. When installed on the ground, they can either be mounted on a foundation or anchorage unit. Matching anchorage units are given in the table. Anchorage units are accessories and must be ordered separately.

For technical data of anchorage units, see page 507

The individual fasteners of the floodlights can be rotated in steps of 90°. They are supplied with a connection box made of die cast aluminium.

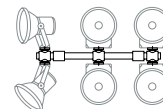
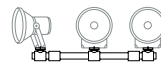
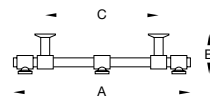
All important technical data are given in the instructions for use for these cross beams.

Die cast aluminium, aluminium and stainless steel

Colour graphite or silver

graphite – article number

silver – article number + **A**



		A	B	C
761	Cross beam for 3 floodlights	1510	300	960
765	Cross beam for 6 floodlights	1510	300	960
896	Anchorage unit for 761 · 765			

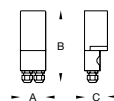


Power supply unit for LED luminaires 24 V DC

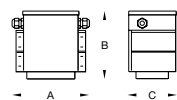
Safety transformer according to DIN EN 61558/VDE 0570 Part 2-6
230 V ~ 50-60 Hz / 24 V DC

Encapsulated in cast resin · Safety class II □ · Protection class IP 65

BEGA power supply units are also suitable for the operation of several LED luminaires.
In this case, the maximum wattage of the power supply unit must not be exceeded.



		Wattage	A	B	C
465	PSU for LED luminaires 24 V DC	0 - 20 W	55	215	50



		Wattage	A	B	C
169	PSU for LED luminaires 24 V DC	0 - 150 W	180	175	110

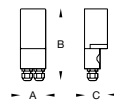
Transformer for swimming pool luminaires and underwater floodlights 12 V

Safety transformer according to EN 61558/VDE 0570 Part 2-6

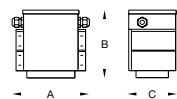
Encapsulated in cast resin · Safety class II □ · Protection class IP 65

When selecting a transformer, the connected load must not exceed the wattage specified in VA. The connected load is derived from the type, number of luminaires, and power loss.

Transformers should only be operated outside the water.



		Wattage	A	B	C
427	Transformer 230/11.5 V · 50 VA		55	155	50
478	Transformer 230/11.5 V · 105 VA		55	215	50



		Wattage	Secondary	A	B	C
479	Transformer 230/11.5 V · 200 VA		2 x 100 VA	135	125	90
484	Transformer 230/11.5 V · 300 VA		1 x 300 VA	135	140	90
488	Transformer 230/11.5 V · 400 VA		2 x 200 VA	180	155	110
497	Transformer 230/11.5 V · 600 VA		2 x 300 VA	180	175	110

Junction box for installation in floors or walls

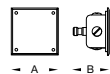
Protection class IP 67 · Safety class III ⚡

Stainless steel · steel grade no. 1.4301 · Electropolished

4 cable glands

1 hose connector for soft PVC safety hose $\varnothing 28 \times 3,5$ mm

After installation, the junction box must be sealed with sealing compound!



		A	B
223	Junction box	120 x 120	95

Colour light control for freely programmable sequences

Freely programmable sequencer for DALI electronic ballasts and DALI control units. Using easy-to-operate PC software, over 200 individual scenes, as well as fade down, fade up and dwell times can be programmed through an USB interface.

Sequencer for installation in switching cabinets with USB cable and software. Outputs for a maximum of 25 control units or electronic ballasts.

243 Colour light control for freely programmable sequences

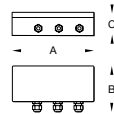
Colour light control with fixed sequence

Colour change sequencer for DALI electronic ballasts and DALI control units with fixed sequence and cross-fading as infinite loop

Protection class IP 65

with control input 1...10V · 0.1 mA or potentiometer 100 K Ω linear for changing the execution speed of the sequence.

Outputs for a maximum of 4 control units or electronic ballasts.



A B C

244 Colour light control with fixed sequence

240 135 70

DALI control unit for RGB swimming pool luminaires

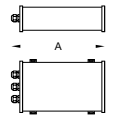
DALI control unit without power supply unit for RGB swimming pool luminaires

Protection class IP 65 · Safety class III ⚡

For a maximum of 4 swimming pool luminaires 8934 or 8943.

To operate, power supply unit 169 is also required, and colour light control 243 or 244 for colour mix.

Control units and power supply unit may only be operated outside the water.



A B C

184 DALI control unit for RGB swimming pool luminaires

310 215 65

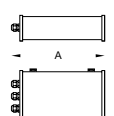
Controllable power supply unit for LED luminaires RGB 24V DC

DALI control unit with power supply unit 230V~ 0/50/60Hz for LED luminaires RGB 24V DC. Protection class I Ⓢ

For a maximum of 15 luminaires 3291/8897 or 6 luminaires 3292/8898.

To mix colours, colour light control 243 or 244 is also required.

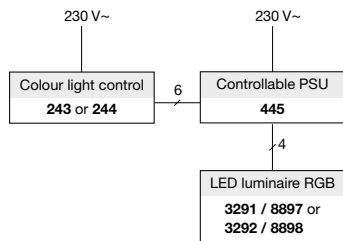
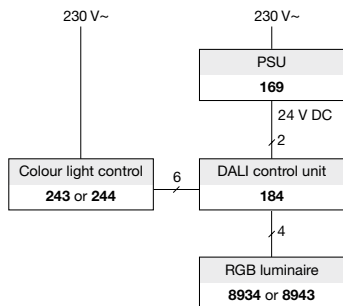
Please note: Controllable power supply unit 445 is not suitable to operate RGB swimming pool luminaires

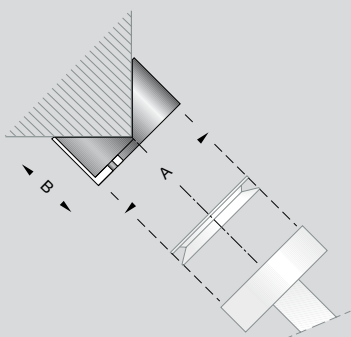


A B C

445 Controllable power supply unit for LED luminaires RGB 24V DC

310 215 65





Corner blocks

for corner-mounting luminaires on buildings. Corresponding indications are given on the relevant pages of the catalogue.

Die cast aluminium and stainless steel

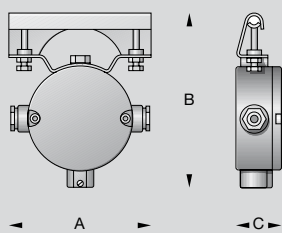
Colour graphite, white or silver

graphite – article number

white – article number + **W**

silver – article number + **A**

		A	B
408	Corner block	∅ 90	50
409	Corner block	∅ 110	60
410	Corner block	∅ 130	70
412	Corner block	∅ 150	80
413	Corner block	∅ 170	95



Cable hanger

for side-mounted lum. with G ½ · DIN ISO 228 mounting bush

Protection class IP 54

Die cast aluminium and stainless steel

2 cable entries 4 x 2.5[□] connecting terminals

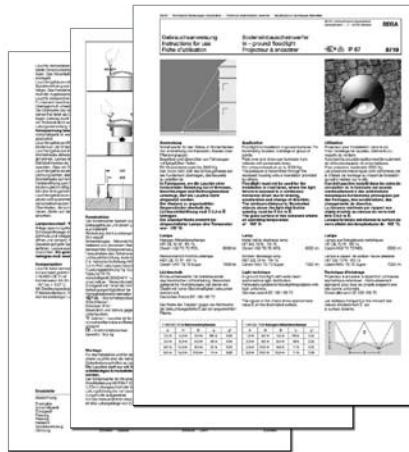
Suitable for cords with ∅ 5 - 12 mm

Adjustable up to ± 10° off level

Colour graphite

		A	B	C
477	Cable hanger	160	180	50

Technical information



www.bega.com

The technical data of the products in this catalogue are subject to alterations due to new developments and technical progress.

Instructions for use are available for all the luminaires and accessories.

They include lighting data, important references and installation dimensions as well as all technical information on each product.

Instructions for use are supplied in each package.

The BEGA web site www.bega.com gives you information on:

- all BEGA luminaires and accessories
- instructions for use in PDF format
- tender texts

Calculation programs

- DIALux for outdoor lighting, street lighting and indoor lighting
- Luminaire data for DIALux
- Luminaire data in EULUMDAT and IES format

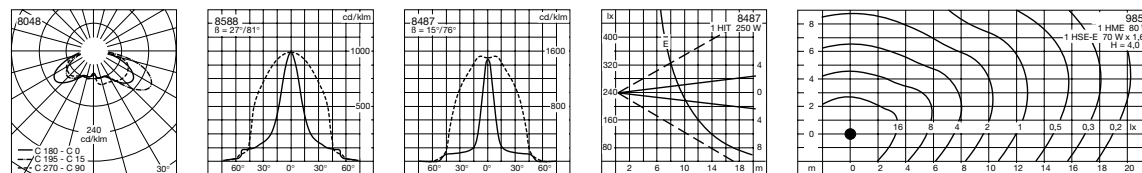
Solving lighting tasks requires good planning work.

The BEGA catalogue contains a great deal of important information e.g. on light distribution curves, floodlight and isolux diagrams.

We explain the basic know-how required on this page.

Technical luminaire data and calculation programs are also available on our web site at www.bega.com.

The BEGA lighting technology department will design lighting systems to your specifications. Our suggestions fulfil the required purpose and also consider requirements of design.



Light distribution curves

indicate the direction and intensity with which a luminaire emits light.

The luminous intensity in candela (cd) for a given wattage is derived by multiplying the value in cd/klm read from the diagram by the total luminous flux in kilumen (klm) of the lamps used in the luminaire. Light distribution is mostly represented in polar coordinates - top left -.

Lighting diagrams

for floodlights - top right - show the dimensions of the surface defined by the two half beam angles - top left - and the average illuminance on that surface. The following can be read off in relation to the distance from the floodlight to - surface - horizontal axis:

- height - solid line -
C 0 - C 180 $\beta = 15^\circ$ and
width - broken line -
C 270 - C 90 $\beta = 76^\circ$
of the limited surface to the
vertical axis on the right.
- average illuminance - parabola - in lx
on the vertical axis on the left.

Isolux diagrams

- example given above - indicate the distribution of illuminance on a visible surface. Points with the same illuminance are joined by curves - isolux lines.

The luminaire is located perpendicular to the plane showing a mounting height (h) above the coordinate data.

Depending on the type of luminaire, the mounting height (h) or the corresponding pole height (H) is given.

The light source spacing is approximately twice the distance of the isolux line which belongs to the half value representing the required minimum illuminance.

For floodlights, we quote light distribution in Cartesian coordinates - top right -.

The half beam angles in the diagrams are also indicated by

C 0 - C 180 - solid line $\beta = 27^\circ$ and
C 90 - C 270 - broken line $\beta = 81^\circ$.

The luminous intensity values are entered on the vertical axis and the light emission angles horizontally.

The polar diagrams indicate to which C-planes the curves relate.

Example: At a distance of 16 m, the half beam angles of floodlight 8487 define a surface of 4 m in height and 18 m in width. Average illuminance on this surface is 80 lx. Uniform illumination is achieved when the distances between the floodlights correspond to the width defined by the half beam angles. When illuminating a façade from the ground upwards, only about 1/3 of the given illuminance is achieved.

Example: In the isolux diagram shown here, the 0.5 lx line is lateral at a distance of 14-16 m from the coordinate origin.

If a footpath is to be illuminated - $E_{min} \leq 1 \text{ lx}$ -, light source spacing of approx. 28 m must be selected.

The isolux lines of luminaires with rotationally symmetrical light distribution are concentric circles.

Lighting technology · Guidelines

Our lighting information and light planning is based, apart from our own experience, on the following reference works:

- Handbook of Lighting
- Road Research Group Directives for the Illumination of Pedestrian Areas
- EN 13201 - street lighting
- DIN 67528 - car parks
- EN 12464-1, -2 - illumination of workplaces (multi-storey car parks)
- EN 12193 - sports facilities
- EN 1838 - emergency lighting

Pedestrian areas

Recommendations by the Road Research Group

New urban planning concepts for pedestrian areas and residential courtyards focus on human factors.

Public areas should promote communication and e.g. allow events to be staged. The selection and arrangement of the right luminaires are fundamental design features of such areas. Luminaires should be adequately shielded and illuminate adjacent façades with 1-4 lx, facilitating orientation and increasing safety.

Sports facilities · EN 12193

The lighting of sports grounds, sports halls and swimming pools should provide optimum conditions for sportsmen and women, spectators and judges. Colour rendering is recommended according to level 3-4 for training and 1-2 for competitions. For sports halls, we recommend twin-lamp luminaires with the possibility of reversing switching for training and competitions.

Additional requirements apply to facilities which are suitable for TV recording.

Fac. for vehicles · EN 12464 · DIN 67528

Illumination of parking spaces DIN 67528

Standard values	E_n^*	E_n	g_1	E_{zh}
Entrance/Exit	15 lx	7 lx	-	1 lx
Movement areas	15 lx	7 lx	0.2	1 lx
Parking areas	15 lx	7 lx	0.2	1 lx

E_n^* = for areas with high traffic density

Suppression of the luminance

Angle of beam	γ	Lum.intensity I_{max}
90°		50 cd/Klm
80°		100 cd/Klm

Exterior areas	$\bar{E} \cdot lx$	g_2	E_{min}	Class III	$\bar{E} \cdot lx$	E_{min}/E_{av}	Lighting of car park buildings EN 12464
Pedestrian zones	5	0.08	-	Football grounds	75	0.50	Standard values
Pedestrian bridges	-	0.10	-	Indoor/Outdoor pools	200	0.50	by day
Squares	10	0.10	-	Outdoor ice hockey	200	0.50	Entrance/Exit
Level footpaths	-	-	$\geq 1 lx$	Indoor ice hockey	300	0.70	by night
Footpaths with steps	-	-	$\geq 5 lx$	Riding arenas	100	0.50	Entrance/Exit
Outside steps	15	0.30	-	Indoor riding arenas	200	0.50	Roads
Interior areas				Class II			Parking areas
Arcades, passageways	15	0.10	-	Gymnasiums, sports halls	500	0.70	Switches
Shopping malls	50	0.10	-	Tennis halls	500	0.70	
Subways	60	0.33	-	Swimming, water polo	300	0.70	
Underground stations	120	0.30	-	Indoor ice hockey	500	0.70	
Inside steps	120	0.30	-	Indoor riding arenas	300	0.60	



Electrical safety

The luminaires in this catalogue are designed and built on the basis of the EN 60598/VDE 0711 international regulations. The majority of the luminaires bear corresponding test symbols on the type plate, packaging and instructions for use. The remaining luminaires have been prepared for testing but the test and approval procedure has not yet been completed.

Due to the long period of validity of this catalogue, we are unable to specify here the current status of symbol approval. However, we can provide information on the status of symbol approval at any time.

Special orders are supplied in accordance with the relevant specifications.

All luminaires are subject to constant in-process monitoring and quality control.

Safety symbols



The ENEC symbol (European Norms Electrical Certification) is a European test and certification symbol for luminaires and electrical components in luminaires. The number 10 with or without the VDE symbol signifies that the test/certification symbol was awarded by the VDE Institute for Testing and Certification.



Luminaires with this symbol can be fixed to normal flame-inhibiting materials (EN 60598/VDE 0711).



Luminaires bearing this symbol are suitable for business premises where dust or fibrous material present a fire hazard due to their limited surface temperatures (VDE 0710 Part 5).



Luminaires with this symbol can be installed in or on normal flame-inhibiting surfaces where thermal insulation material may cover the luminaire.



Luminaires bearing this symbol must not be in direct contact with insulating material.



Luminaires bearing the ball symbol are suitable for use in sports facilities. They fulfil the test requirements of VDE 0710 Part 13.

ta

Luminaires with this symbol are designed in accordance with EN 60598/VDE 0711 for an ambient temperature of t_a 25°C (inside and outside). Luminaires with t_a 15°C on the type plate are only suitable for use outside.

CE

The CE symbol is affixed at the manufacturer's responsibility and is not a safety symbol. The manufacturer uses it to document conformity with European Union directives.

Protection classes · Safety classes

The information we provide on a luminaire's stability in withstanding the penetration of dust, solid bodies and water is according to EN 60598/VDE 0711.

The respective degree of protection IP (International Protection) is printed on the luminaire as a number system according to IEC 529.

Please see the table on this page for allocation of the degree of protection according to EN 60598.

Protection classes

1st digit: foreign body protection



IP 1X	protection against penetration of foreign bodies \geq 50 mm
IP 2X	protection against penetration of foreign bodies \geq 12 mm
IP 3X	protection against penetration of foreign bodies \geq 2.5 mm
IP 4X	protection against penetration of foreign bodies \geq 1 mm
IP 5X	protection against harmful dust deposits
IP 6X	protection against dust entry

2nd digit: water protection



IP X1	protection against drops of water falling vertically
IP X2	protection against drops of water from angles up to 15°
IP X3	protection against showers up to 60°
IP X4	protection against splash water
IP X5	protection against water jets
IP X6	protection against heavy downpours
IP X7	protection against temporary immersion
IP X8	protection against permanent submersion

Safety classes



Safety class I designates luminaires with a protective earth conductor. Under fault conditions, the power supply is cut by an overload.



Safety class II designates luminaires that, apart from functional insulation, have an additional protective insulation. Under fault conditions, no dangerous voltage can reach metal parts which can be touched. Many luminaires are available in Safety class I and also in Safety class II. Please inquire accordingly.



Safety class III designates luminaires operating on extra-low safety voltage. They can only be connected to safety transformers in accordance with EN 61558/VDE 0570, EN 61347/VDE 712 or VDE 0100 Part 410.

The transformer must be approved for this type of installation.

Lamp table


















Lamps are subject to constant technical development and improvement. Therefore we expressly advise you to consult the latest technical data sheets issued by the lamp manufacturers. This applies in particular to data relating to the burning position, operating current and starting characteristics of the lamps. The contents of this lamp table were provided by the lamp manufacturers. We assume no liability for its completeness and validity.

Symbol	LBS	Wattage P(W)	Lampholder	Lumen Φ (lm) Lum. intensity I (cd)	Osram	Philips	GE	
General service lamps								
	A 60	40 W	E 27	415 lm	CLAS A FR 40	354686	21671	
	A 60	60 W	E 27	710 lm	CLAS A FR 60	354716	21673	
	A 60	75 W	E 27	935 lm	CLAS A FR 75	354747	21675	
	A 60	100 W	E 27	1340 lm	CLAS A FR 100	354778	21677	
	A 65	150 W	E 27	2160 lm	CLAS A FR 150	090492	22568	
Drop lamps								
	D 45	25 W	E 14	200 lm	CLAS P FR 25	011947	19787	
	D 45	40 W	E 14	400 lm	CLAS P FR 40	011978	19789	
	D 45	60 W	E 14	660 lm	CLAS P FR 60	067579	19793	
Candle lamps								
	C 35	40 W	E 14	400 lm	CLAS B FR 40	011336	91323	
Pear-shaped lamps - Tubular lamps								
	CO 26	15 W	E 14	110 lm	SPC T 26/57 FR 15	058393	92047	
	CO 26	25 W	E 14	190 lm	SPC T 26/57 FR 25	042477	92048	
Reflector lamps								
	PAR 38 · 12°	120 W	E 27	9300 cd	PAR 38/SP	380715	91576	
	PAR 38 · 30°	120 W	E 27	3100 cd	PAR 38/FL	380616	91573	
	PAR 56 · 9°/15°	300 W	GX 16d	40000 cd	—	159571	—	
	PAR 56 · 11°/25°	300 W	GX 16d	22000 cd	—	159618	—	
	PAR 56 · 16°/40°	300 W	GX 16d	9000 cd	—	159656	—	
Tungsten halogen lamps								
	QT 18 *	40 W	B 15d	460 lm	64467/AM	—	—	
	QT 18 *	60 W	B 15d	790 lm	64481/AM	—	—	
	QT 18 **	60 W	B 15d	790 lm	64469/AM	—	—	
	QT 18 **	75 W	B 15d	1050 lm	64473/AM	179630	—	
	QT 18 **	100 W	B 15d	1470 lm	64475/AM	179654	—	
	QT 18 **	150 W	B 15d	2400 lm	64471/AM	179616	—	
	QT 18 ***	250 W	B 15d	4210 lm	64479/AM	—	—	
	QT 14	25 W	G 9	230 lm	66625/AM	429544	—	
	QT 14	40 W	G 9	460 lm	66640/AM	429605	22507	
	QT 14	60 W	G 9	790 lm	66660/AM	429667	10817	
	QT 14	75 W	G 9	1050 lm	66675/AM	—	10820	
	QT 26	40 W	E 14	460 lm	64861 T/TIM	—	—	
	QT 26	60 W	E 14	790 lm	64862 T/TIM	—	—	
	QT 32	60 W	E 27	790 lm	64472/IM	506634	—	
	QT 32	75 W	E 27	1050 lm	64474/IM	—	—	
	QT 32	100 W	E 27	1470 lm	64476/IM	506689	—	
	QT 32	150 W	E 27	2400 lm	64478/IM	506719	—	
	QT 32	250 W	E 27	4210 lm	64480/IM	—	—	
	QT-DE 12	60 W	R7s	840 lm	64688	494726	—	
	QT-DE 12	100 W	R7s	1600 lm	64690	058331	91427	
	QT-DE 12	150 W	R7s	2500 lm	64695	058348	91428	
	QT-DE 12	300 W	R7s	5300 lm	64701	494382	91436	
	QT-DE 12	500 W	R7s	9500 lm	64702	494399	29165	
	QT-DE 12	1000 W	R7s	22000 lm	64740	494344	29180	
Low voltage tungsten halogen lamps								
	QT 9-ax	5 W	G 4	60 lm	64405 S	409690	42959	
	QT 9-tr	10 W	G 4	130 lm	64415 F	—	—	
	QT 9-ax	10 W	G 4	130 lm	64415 S	409706	35705	
	QT 9-ax	20 W	G 4	320 lm	64425 S	—	35710	
	QT 12-ax	35 W	GY 6,35	600 lm	64432 S	—	35699	
	QT 12-ax	50 W	GY 6,35	910 lm	64440 S	—	35700	
	QT 12-ax	75 W	GY 6,35	1450 lm	64450 S	—	35701	
	QT 12-ax	75 W	GY 6,35	1450 lm	64450 S	—	35701	
Low voltage reflector lamps								
	QR-CBC 51 · 10°	20 W	GU 5.3	5000 cd	46860 SP	424549	20858	
	QR-CBC 51 · 38°	20 W	GU 5.3	780 cd	46860 WFL	424846	20857	
	QR-CBC 51 · 10°	35 W	GU 5.3	9100 cd	46865 SP	424907	20864	
	QR-CBC 51 · 38°	35 W	GU 5.3	1500 cd	46865 WFL	425041	20859	
	PAR 36 · 26°/37°	25 W	Cabel	500 cd	—	—	25 PAR 36 WFL 12V	
	PAR 36 · 28°/37°	50 W	Cabel	1300 cd	—	—	50 PAR 36 WFL 12V	
	PAR 56 · 10°/35°	300 W	Cabel	6000 lm	—	159694	300 PAR 56 WFL 12V	
Fluorescent lamps								
	T 16	14 W	G 5	1200 lm	Lumilux T5 HE FH 14 W	Master TL5 HE 14 W	F 14 W/T5	
	T 16	21 W	G 5	1900 lm	Lumilux T5 HE FH 21 W	Master TL5 HE 21 W	F 21 W/T5	
	T 16	28 W	G 5	2600 lm	Lumilux T5 HE FH 28 W	Master TL5 HE 28 W	F 28 W/T5	
	T 16	35 W	G 5	3300 lm	Lumilux T5 HE FH 35 W	Master TL5 HE 35 W	F 35 W/T5	
	T 16	24 W	G 5	1750 lm	Lumilux T5 HO FQ 24 W	Master TL5 HO 24 W	F 24 W/T5	
	T 16	39 W	G 5	3100 lm	Lumilux T5 HO FQ 39 W	Master TL5 HO 39 W	F 39 W/T5	
	T 16	54 W	G 5	4450 lm	Lumilux T5 HO FQ 54 W	Master TL5 HO 54 W	F 54 W/T5	
	T 16	80 W	G 5	6150 lm	Lumilux T5 HO FQ 80 W	Master TL5 HO 80 W	F 80 W/T5	
	T 26	18 W	G 13	1350 lm	Lumilux T8 L 18 W	Master TL-D 18 W	F 18 W/T8	
	T 26	36 W	G 13	3350 lm	Lumilux T8 L 36 W	Master TL-D 36 W	F 36 W/T8	
	T 26	58 W	G 13	5200 lm	Lumilux T8 L 58 W	Master TL-D 58 W	F 58 W/T8	
	Circular fluorescent lamps							
		T 32-R	40 W	G 10q	2800 lm	L 40/... C	TL-E 40 W/...	FC 16 T9/...

* = lamp length 67 mm

** = lamp length 86 mm

*** = lamp length 98 mm

Symbol	LBS	Wattage P(W)	Lampholder	Lumen Φ (lm) Lum. intensity I (cd)	Osram	Philips	GE
Compact fluorescent lamps							
	TC-F	18 W	2G10	1100 lm	Dulux F 18 W	—	—
	TC-S	5 W	G 23	250 lm	Dulux S 5 W	PL-S 5 W	F5BX/...
	TC-S	7 W	G 23	400 lm	Dulux S 7 W	PL-S 7 W	F7BX/...
	TC-S	9 W	G 23	600 lm	Dulux S 9 W	PL-S 9 W	F9BX/...
	TC-S	11 W	G 23	900 lm	Dulux S 11 W	PL-S 11 W	F11BX/...
	TC-D	10 W	G 24 d-1	600 lm	Dulux D 10 W	PL-C 10 W	F10DBX/...
	TC-D	13 W	G 24 d-1	900 lm	Dulux D 13 W	PL-C 13 W	F13DBX/...
	TC-D	18 W	G 24 d-2	1200 lm	Dulux D 18 W	PL-C 18 W	F18DBX/...
	TC-D	26 W	G 24 d-3	1800 lm	Dulux D 26 W	PL-C 26 W	F26DBX/...
	TC-T	13 W	GX 24 d-1	900 lm	Dulux T 13 W	PL-T 13 W	F13TBX/...
	TC-T	18 W	GX 24 d-2	1200 lm	Dulux T 18 W	PL-T 18 W	F18TBX/...
	TC-T	26 W	GX 24 d-3	1800 lm	Dulux T 26 W	PL-T 26 W	F26TBX/...
	TC-TEL	13 W	GX 24 q-1	850 lm	Dulux T/E 13 W	PL-T 13 W/4p	F13TBX/... 4p
	TC-TEL	18 W	GX 24 q-2	1150 lm	Dulux T/E 18 W	PL-T TOP 18 W/4p	F18TBX/... 4p
	TC-TEL	26 W	GX 24 q-3	1750 lm	Dulux T/E 26 W/IN	PL-T TOP 26 W/4p	F26TBX/... 4p
	TC-TEL	32 W	GX 24 q-3	2400 lm	Dulux T/E 32 W/IN	PL-T TOP 32 W/4p	F32TBX/... 4p
	TC-TEL	42 W	GX 24 q-4	3200 lm	Dulux T/E 42 W/IN	PL-T TOP 42 W/4p	F42TBX/... 4p
	TC-TEL	57 W	GX 24 q-5	4300 lm	Dulux T/E 57 W/IN	PL-T TOP 57 W/4p	—
	TC-TEL	60 W	2 G 8	4000 lm	—	PL-H 60 W/4p	—
	TC-TEL	85 W	2 G 8	6000 lm	—	PL-H 85 W/4p	—
	TC-L	18 W	2 G 11	1200 lm	Dulux L 18 W	PL-L 18 W/4p	F18BX/...
	TC-L	24 W	2 G 11	1800 lm	Dulux L 24 W	PL-L 24 W/4p	F24BX/...
	TC-L	36 W	2 G 11	2900 lm	Dulux L 36 W	PL-L 36 W/4p	F36BX/...
	TC-L	55 W	2 G 11	4800 lm	Dulux L 55 W	PL-L 55 W/4p	F55BX/...
	TC-L	80 W	2 G 11	6000 lm	Dulux L 80 W	PL-L 80 W/4p	—
Compact fluorescent lamps with electronic ballast							
	TCA-SE	7/9 W	E 27	350/420 lm	Dulux EL CLA 7 W	Ambiance Pro 9 W	—
	TCA-SE	10/12 W	E 27	500/630 lm	Dulux EL CLA 10 W	Ambiance Pro 12 W	—
	TCA-SE	15/16 W	E 27	800/900 lm	Dulux EL CLA 15 W	Ambiance Pro 16 W	—
	TC-TSE	15 W	E 27	900 lm	Dulux EL LL 15 W	Master PL E 15 W	92259
	TC-DSE	7/8 W	E 27	400 lm	Dulux EL LL 7 W	Master PL E 8 W	—
	TC-DSE	11 W	E 27	600 lm	Dulux EL LL 11 W	Master PL E 11 W	—
Mercury vapour lamps							
	HME	50 W	E 27	2000 lm	HQL 50 de Luxe	HPL-Comf. 50 W	H 50 NDX/27
	HME	80 W	E 27	4000 lm	HQL 80 de Luxe	HPL-Comf. 80 W	H 80 NDX/27
	HME	125 W	E 27	6800 lm	HQL 125 de Luxe	HPL-Comf. 125 W	H 125 NDX/27
	HME	250 W	E 40	14000 lm	HQL 250 de Luxe	HPL-Comf. 250 W	H 250 NDX/40
	HME	400 W	E 40	24000 lm	HQL 400 de Luxe	HPL-Comf. 400 W	H 400 NDX/40
Metal halide lamps							
	HIT-TC-CE	20 W	GU 6,5	1700 lm	HCI-TF 20 W	—	CMH 20/T/GU 6,5
	HIT-TC-CE	20 W	G 8,5	1700 lm	HCI-TC 20 W	—	CMH 20/TC/G 8,5
	HIT-TC-CE	35 W	G 8,5	3400 lm	HCI-TC 35 W	CDM-TC 35 W	CMH 35/TC/G 8,5
	HIT-TC-CE	70 W	G 8,5	6900 lm	HCI-TC 70 W	—	CMH 70/TC/G 8,5
	HIT-CE	35 W	G 12	3400 lm	HCI-T 35/...	CDM-T 35 W	CMH 35/T/G12
	HIT-CE	70 W	G 12	7000 lm	HCI-T 70/...	CDM-T 70 W	CMH 70/T/G12
	HIT-CE	150 W	G 12	15500 lm	HCI-T 150/...	CDM-T 150 W	CMH 150/T/G12
	HIT-CE	250 W	G 22	26000 lm	HCI-TM 250/...	—	—
	HIT-DE-CE	70 W	RX7s	6900 lm	HCI-TS 70/...	CDM-TD 70 W	CMH 70/TD/RX7s
	HIT-DE-CE	150 W	RX7s	14800 lm	HCI-TS 150/...	CDM-TD 150 W	CMH 150/TD/RX7s-24
	HIT-DE-CE	250 W	Fc 2	25000 lm	HCI-TS 250/...	—	—
	HIT-DE	400 W	Fc 2	36000 lm	HCI-TS 400/...	—	—
	HIT-DE	1000 W	Cable	90000 lm	HCI-TS 1000/D/S	—	—
	HIT-DE	2000 W	Cable	200000 lm	HCI-TS 2000/D/S	—	—
	HIE-CE/S	70 W	E 27	5900 lm	—	CDO-ET 70 W	—
	HIE-CE/S	100 W	E 40	8300 lm	—	CDO-ET 100 W	—
	HIE-CE/S	150 W	E 40	13500 lm	—	CDO-ET 150 W	—
	HIE/m (HIE/c)	70 W	E 27	6400 (6500) lm	HCI-E/P 70/(clear)	—	CMH 70/E/E 27
	HIE/m (HIE/c)	100 W	E 27	8600 (9000) lm	HCI-E/P 100/(clear)	—	CMH 100/E/E 27
	HIE/m (HIE/c)	150 W	E 27	13300 (14000) lm	HCI-E/P 150/(clear)	—	—
	HIE	250 W	E 40	19000 lm	HCI-E 250/D	—	ARC 250/D/40
	HIE	400 W	E 40	30000 lm	HCI-E 400/...	HPI Plus 400 W	—
	HIT-CE/S	70 W	E 27	7000 lm	HCI-TT 70 W	CDO-TT 70 W	—
	HIT-CE/S	100 W	E 40	8800 lm	—	CDO-TT 100 W	—
	HIT-CE/S	150 W	E 40	14500 lm	HCI-TT 150 W	CDO-TT 150 W	—
	HIT	250 W	E 40	20000 lm	HCI-T 250/D	—	ARC 250/T/E 40
	HIT	400 W	E 40	32000 lm	HCI-BT 400/...	HPI-T Plus 400 W	ARC 400/T/E 40
Sodium vapour discharge lamps							
	HST-DE	70 W	RX7s	6800 lm	NAV-TS 70 Super 4Y	—	—
	HST-DE	150 W	RX7s	15000 lm	NAV-TS 150 Super 4Y	—	—
	HST-DE	250 W	Fc 2	25500 lm	NAV-TS 250	—	—
	HST-DE	400 W	Fc 2	48000 lm	NAV-TS 400	—	—
	HSE-E	50 W	E 27	3500 lm	NAV-E 50/E 4Y	SON PIA 50 W	LU 50/D/27
	HSE-E	70 W	E 27	5600 lm	NAV-E 70/E 4Y	SON PIA 70 W	LU 70/D/27
	HSE-MF	100 W	E 40	10200 lm	NAV-E 100 Super 4Y	SON PIA Plus 100 W	LU 100/XO/D/40
	HSE-MF	150 W	E 40	17000 lm	NAV-E 150 Super 4Y	SON PIA Plus 150 W	LU 150/XO/D/40
	HSE-MF	250 W	E 40	31100 lm	NAV-E 250 Super 4Y	SON PIA Plus 250 W	LU 250/XO/D/40
	HSE-MF	400 W	E 40	55500 lm	NAV-E 400 Super 4Y	SON PIA Plus 400 W	LU 400/XO/D/40
	HST-MF	50 W	E 27	4400 lm	NAV-T 50 Super 4Y	SON-T PIA Plus 50 W	LU 50/XO/T 27
	HST-MF	70 W	E 27	6600 lm	NAV-T 70 Super 4Y	SON-T PIA Plus 70 W	LU 70/XO/T 27
	HST-MF	100 W	E 40	10700 lm	NAV-T 100 Super 4Y	SON-T PIA Plus 100 W	LU 100/XO/T 40
	HST-MF	150 W	E 40	17500 lm	NAV-T 150 Super 4Y	SON-T PIA Plus 150 W	LU 150/XO/T 40
	HST-MF	250 W	E 40	33200 lm	NAV-T 250 Super 4Y	SON-T PIA Plus 250 W	LU 250/XO/T 40
	HST-MF	400 W	E 40	56500 lm	NAV-T 400 Super 4Y	SON-T PIA Plus 400 W	LU 400/XO/T 40
	HST-MF	600 W	E 40	90000 lm	NAV-T 600 Super 4Y	SON-T PIA Plus 600 W	LU 600/XO/T 40

Main Catalogue 29 · 2007-2009
Table of contents

No.	Page	No.	Page	No.	Page	No.	Page	No.	Page	No.	Page	No.	Page	No.	Page
Accessories		143	269	217	509	348	511	465	514	684	305	801	504	951	502
006	11	144	267	218	279	350	293	468	71	685	305	802	504	954	502
015	31	145	303	219	279	351	293	473	71	686	313	803	504	956	502
017	37	146	303	220	279	352	293	474	71	687	305	804	504	957	502
018	37	147	303	221	509	353	293	477	516	688	305	805	504	958	502
021	29	148	279	223	514	354	293	478	514	689	313	806	504	959	502
022	45	149	279	225	511	360	293	479	514	693	305	807	504	960	502
023	45	150	279	229	509	361	293	480	249	699	305	808	504	965	502
024	23	151	305	233	279	362	293	481	249	761	513	809	504	969	502
025	23	152	303	235	279	363	293	483	17	762	512	810	504	974	502
026	23	153	309	238	389	375	389	484	514	763	512	811	504	977	502
028	53	154	303	243	515	376	389	485	31	764	512	815	504	985	500
029	53	155	309	244	515	377	389	486	31	765	513	817	504	986	500
033	51	156	309	245	509	378	389	487	31	766	512	822	505	989	502
034	51	157	305	246	263	379	509	488	514			823	505	990	502
036	25	158	305	247	263	380	389	489	11			824	505	991	502
037	25	159	305	248	509	382	389	490	11	Anchorage units		825	505	992	500
038	25	160	506	249	509	383	389	491	31	894	507	826	505	993	502
063	11	161	506	252	508	384	389	492	11	895	507	834	504	994	500
085	31	162	506	254	295	386	510	493	69	896	507	835	504	996	502
086	31	163	506	255	295	387	510	497	514	897	507	836	504	997	500
087	31	164	506	256	295	388	510	498	510	898	507	837	504	2146	31
089	11	165	506	257	295	391	510	600	279	899	507	838	504	2147	31
090	11	166	506	258	295	406	11	606	267			872	505	2173	207
091	31	167	506	259	295	408	516	607	277	Poles		874	505	2002	11
092	11	168	506	260	295	409	516	618	277	722	500	875	505	2003	13
101	267	169	514	261	295	410	516	623	507	724	502	876	505	2004	13
102	267	170	388	262	303	411	55	629	507	725	502	877	505	2005	47
103	267	171	388	263	303	412	516	632	507	726	502	880	504	2006	47
105	263	172	388	264	263	413	516	633	41	727	502	881	504	2007	47
106	263	173	388	265	263	414	511	634	41	728	500	882	504	2033	25
107	263	174	388	267	263	415	31	639	41	729	500	883	504	2034	25
108	267	175	388	269	333	416	17	644	507	731	500	884	504	2038	25
109	267	176	388	270	333	417	37	647	507	732	500	885	504	2039	25
110	267	177	388	280	508	418	37	648	17	733	500	886	504	2040	25
111	267	178	388	283	508	419	283	649	17	734	500	887	504	2042	25
112	267	179	388	284	509	420	283	650	507	736	502	888	504	2043	25
113	267	180	506	294	509	421	29	653	283	737	502	906	502	2044	25
115	17	182	313	300	253	422	45	655	283	738	502	907	500	2073	207
116	17	183	313	305	495	423	45	656	279	739	502	908	500	2075	29
117	17	184	515	306	495	424	23	657	309	740	502	909	502	2092	29
118	263	185	313	307	495	425	23	658	309	741	502	910	502	2093	197
119	263	186	313	308	495	426	23	659	267	742	502	911	502	2094	197
120	263	187	279	309	253	427	514	663	303	743	502	912	502	2095	29
121	263	188	279	310	263	428	53	664	267	744	502	913	502	2096	45
122	263	189	279	311	263	429	53	668	305	746	500	914	502	2097	45
123	267	190	386	312	17	433	51	669	303	747	500	915	502	2098	29
124	267	191	386	313	17	434	51	670	253	748	502	916	502	2099	29
125	17	192	386	315	263	435	49	671	253	749	502	917	502	2100	33
126	17	193	386	316	263	436	25	672	313	750	502	918	502	2101	33
127	17	194	325	317	277	437	25	673	253	756	500	926	500	2102	33
128	295	195	325	321	253	438	25	674	313	786	500	927	500	2103	33
129	295	196	325	322	253	440	55	675	309	787	500	928	500	2104	13
130	263	200	17	323	253	441	55	676	331	788	500	930	500	2106	33
131	263	202	511	325	261	442	55	677	331	789	500	934	502	2107	33
132	263	204	508	335	277	443	55	678	331	790	500	937	500	2109	31
133	267	207	511	338	389	444	55	679	331	791	500	938	502	2115	27
134	267	208	511	340	293	445	515	680	305	792	500	941	502	2116	27
138	295	212	511	341	510	456	71	681	305	793	500	943	502	2117	27
139	295	213	17	342	510	463	11	682	313	794	500	944	500	2118	13
		214	509	343	510	464	49	683	305	800	504	945	502	2119	13

No.	Page	No.	Page	No.	Page	No.	Page	No.	Page	No.	Page	No.	Page	No.	Page	No.	Page
2294	197	2505	129	2678	131	2853	21	3071	171	3266	103	3821	49	4402	81	5047	247
2295	197	2506	129	2679	131	2854	21	3090	129	3270	109	3825	49	4403	81	5048	247
2296	203	2507	129	2687	119	2856	19	3091	129	3271	109	3826	49	4404	205	5069	167
2297	203	2510	129	2688	119	2857	135	3092	129	3272	109	3847	97	4405	205	5070	167
2298	203	2511	129	2689	119	2858	135	3094	129	3275	109	3848	97	4406	205	5071	167
2299	203	2512	129	2690	119	2859	19	3095	129	3276	109	3851	97	4411	205	5072	167
2366	83	2514	127	2691	111	2866	19	3101	139	3277	109	3862	97	4412	205	5120	91
2374	207	2515	189	2692	111	2874	191	3102	139	3280	41	3866	101	4413	205	5121	91
2396	203	2516	189	2693	123	2875	135	3103	139	3281	41	3871	97	4421	87	5122	91
2397	203	2517	129	2695	123	2877	187	3104	139	3282	41			4422	87	5123	91
2398	203	2518	129	2696	123	2878	131	3105	139	3291	43			4425	161	5124	91
2399	203	2522	189	2698	123	2881	135	3106	139	3292	43	4000		4426	161	5125	91
2401	223	2523	189	2699	123	2882	187	3111	141	3301	141	4004	107	4429	155	5126	91
2403	223	2524	189	2700	111	2883	135	3112	141	3302	141	4005	107	4430	155	5127	91
2405	223	2533	129	2705	117	2888	135	3113	141	3303	141	4007	107	4431	155	5129	95
2407	223	2534	189	2706	117	2889	173	3114	141	3304	141	4008	107	4441	79	5130	95
2409	223	2535	189	2707	117	2890	173	3118	141	3305	141	4020	145	4442	79	5131	95
2411	223	2543	127	2708	117	2892	131	3119	141	3306	141	4021	149	4443	79	5132	95
2413	223	2544	127	2709	111	2893	135	3120	201	3363	103	4023	149	4448	105	5133	95
2415	223	2545	127	2716	117	2910	51	3121	201	3367	107	4025	145	4468	105	5134	95
2417	223	2585	121	2717	117	2911	51	3134	99	3370	103	4030	145	4475	85	5135	95
2419	223	2586	121	2730	121	2919	31	3135	99	3372	103	4031	149	4476	85	5136	95
2421	223	2590	121	2731	121	2920	51	3140	193	3374	103	4033	149	4477	85	5137	95
2422	223	2591	121	2733	113	2921	51	3141	193	3380	41	4040	147	4485	233	5154	163
2425	175	2595	121	2734	113	2923	31	3143	169	3381	41	4041	147	4491	229	5274	153
2426	175	2596	121	2740	121	2925	37	3144	169	3382	41	4090	143	4492	229	5310	157
2428	223	2600	111	2741	121	2926	37	3147	169	3410	137	4095	143	4493	229	5311	157
2430	175	2601	125	2743	113	2939	37	3174	171	3411	137	4096	143	4495	229	5320	157
2431	175	2602	125	2744	113	2957	131	3175	171	3412	137	4140	185	4497	229	5321	157
2435	175	2603	125	2745	121	2958	131	3176	171	3420	137	4141	185	4498	229	5374	153
2436	175	2604	125	2746	121	2978	131	3177	171	3421	137	4142	185	4510	159	5384	153
2437	175	2605	117	2774	133	2981	191	3178	201	3422	137	4143	185	4520	159	5453	163
2438	175	2606	117	2775	133	2982	187	3179	201	3435	147	4170	105	4530	159	5454	163
2440	195	2607	117	2777	187	2983	191	3180	201	3436	147	4171	163	4540	159	5510	93
2441	217	2608	117	2779	133	2984	131	3181	201	3440	147	4175	105	4548	105	5511	93
2442	217	2609	111	2780	133	2985	191	3182	101	3441	147	4176	105	4568	105	5512	93
2447	219	2611	125	2781	133	2987	131	3183	101	3448	107	4177	163	4569	105	5513	93
2457	219	2612	125	2782	133	2988	187	3185	101	3510	137	4178	163	4591	231	5514	93
2466	83	2613	125	2788	133	2989	191	3186	101	3511	137	4179	163	4592	231	5520	93
2474	199	2614	125	2791	123	2990	131	3187	101	3512	137	4215	149	4593	231	5521	93
2475	199	2615	95	2792	123	2992	191	3188	101	3520	137	4216	149	4594	231	5522	93
2477	219	2616	95	2793	123	2993	191	3190	101	3521	137	4225	165	4596	231	5523	93
2478	219	2617	95	2795	123	2994	131	3191	101	3522	137	4227	149	4597	231	5524	93
2479	219	2618	95	2796	123	2998	131	3202	53	3548	107	4228	149	4598	231	5553	163
2480	219	2619	111	2799	53	2999	131	3203	53	3563	103	4229	145	4640	159	5648	163
2482	219	2620	111	2811	21			3205	53	3567	107	4230	145	4648	105	5748	163
2483	219	2627	119	2816	189			3206	53	3648	103	4235	165	4661	103		
2488	195	2628	119	2818	173	3000		3210	53	3668	103	4236	165	4667	83		
2489	195	2629	119	2819	173	3012	139	3211	53	3748	101	4237	165	4668	105	6000	
2490	195	2630	119	2821	173	3013	139	3213	53	3766	101	4238	165	4769	105	6004	241
2491	195	2631	119	2822	21	3014	139	3214	53	3767	107	4240	155	4964	83	6005	71
2492	195	2632	119	2828	135	3015	139	3220	215	3768	151	4245	155			6006	71
2493	199	2633	115	2832	21	3016	139	3221	215	3774	151	4246	155			6007	71
2494	199	2634	115	2835	135	3033	99	3222	215	3777	151	4277	153	5000		6008	71
2495	195	2639	115	2838	135	3034	99	3225	215	3778	151	4278	153	5013	247	6009	71
2497	195	2645	113	2840	173	3035	99	3226	215	3779	151	4283	153	5014	247	6010	73
2498	219	2646	113	2842	135	3047	169	3228	215	3780	151	4290	167	5015	247	6011	73
2499	219	2654	113	2843	135	3066	97	3230	201	3781	151	4295	167	5020	249	6012	73
2501	129	2655	113	2844	173	3068	171	3231	201	3785	101	4296	167	5025	248	6013	73
2502	129	2657	119	2845	173	3069	171	3240	193	3790	151	4368	105	5040	249	6014	73
2503	129	2658	119	2848	135	3070	171	3241	193	3791	151	4401	81	5046	247	6015	89

Main Catalogue 29 · 2007-2009
Table of contents

No.	Page	No.	Page	No.	Page	No.	Page	No.	Page	No.	Page	No.	Page	No.	Page	No.	Page
6016	89	6306	57	6520	167	6697	213	6860	103	7511	263	7878	267	8054	301	8152	493
6017	89	6307	55	6521	71	6701	211	6875	225	7512	263	7879	269	8055	311	8153	493
6018	89	6308	55	6522	237	6702	211	6876	225	7513	263	7880	267	8056	305	8171	487
6020	71	6309	57	6523	237	6703	211	6877	225	7514	263	7881	267	8058	301	8172	487
6029	163	6310	57	6524	237	6704	245	6878	225	7515	263	7882	269	8071	487	8180	469
6030	241	6319	55	6528	237	6705	245	6880	77	7516	263	7891	267	8072	487	8181	469
6031	241	6320	179	6529	237	6706	245	6881	77	7523	263	7892	269	8073	487	8183	467
6032	241	6321	179	6530	167	6707	57	6882	77	7524	263	7895	271	8074	487	8184	251
6044	89	6322	179	6531	167	6708	57	6883	77	7525	263	7896	271	8075	487	8186	463
6045	89	6325	235	6532	237	6710	61	6884	77	7526	263	7898	271	8076	487	8187	463
6046	89	6326	235	6533	237	6711	59	6885	77	7527	263	7899	271	8077	455	8189	467
6048	163	6329	55	6534	237	6712	59	6886	77	7529	263	7921	255	8078	455	8191	487
6049	89	6330	235	6535	209	6713	59	6887	77	7533	263	7922	255	8079	455	8192	487
6052	73	6338	185	6536	209	6715	59	6901	61	7534	259	7925	255	8080	455	8194	311
6053	73	6339	185	6537	209	6716	59	6902	61	7580	277	7941	257	8081	469	8199	461
6054	71	6340	185	6538	209	6717	59	6903	61	7581	277	7942	257	8082	469	8200	477
6061	97	6341	71	6539	209	6718	59	6904	61	7590	277	7943	257	8083	301	8201	477
6074	73	6344	229	6540	209	6719	59	6907	61	7591	277	7944	257	8084	301	8203	479
6096	97	6345	229	6547	237	6720	61	6908	61	7595	273	7945	257	8085	469	8206	479
6100	73	6346	229	6548	183	6722	61	6909	61	7596	273			8086	469	8208	475
6105	245	6361	97	6549	237	6723	75	6910	61	7597	273			8087	301	8209	475
6113	57	6382	235	6566	163	6725	69	6919	59	7611	273	8000		8088	301	8210	477
6117	57	6386	235	6585	209	6726	75	6929	59	7612	273	8000	305	8089	311	8211	393
6146	73	6387	235	6586	209	6731	75	6948	163	7613	275	8005	305	8090	483	8212	397
6150	73	6394	183	6587	209	6733	75	6960	103	7614	275	8007	305	8091	483	8213	393
6165	163	6400	179	6588	209	6734	69	6965	103	7650	253	8012	305	8092	455	8214	397
6169	57	6401	179	6590	183	6735	69	6971	103	7654	253	8013	305	8093	455	8215	393
6183	57	6405	241	6592	239	6736	59			7656	253	8014	305	8094	301	8216	399
6195	73	6406	241	6593	239	6737	59	7000		7657	253	8015	305	8095	311	8217	399
6196	73	6407	241	6594	239	6744	61	7315	265	7658	253	8016	311	8096	311	8218	471
6197	73	6409	241	6595	239	6745	69	7316	265	7710	275	8017	305	8097	301	8219	465
6198	73	6412	243	6596	239	6746	61	7317	265	7711	275	8018	311	8098	461	8220	473
6199	73	6413	243	6597	239	6748	163	7319	265	7712	275	8019	305	8099	461	8223	465
6209	55	6415	243	6598	239	6749	61	7320	265	7713	275	8020	305	8111	305	8230	473
6210	57	6416	243	6601	211	6758	97	7343	279	7714	275	8021	305	8114	353	8233	465
6211	55	6417	243	6602	211	6786	75	7344	279	7715	275	8022	305	8115	353	8235	499
6212	55	6420	179	6603	211	6787	75	7346	279	7720	263	8023	305	8116	353	8236	499
6213	55	6421	179	6605	71	6789	65	7347	279	7721	263	8024	305	8117	353	8238	463
6215	55	6423	179	6606	71	6790	65	7347	279	7722	263	8025	305	8119	353	8239	463
6216	55	6425	243	6607	71	6791	65	7380	259	7723	263	8026	305	8120	465	8244	499
6217	55	6426	243	6608	71	6792	65	7423	259	7724	263	8027	305	8121	393	8246	499
6218	55	6436	243	6609	71	6793	65	7424	259	7821	261	8028	305	8122	465	8249	489
6219	55	6438	97	6610	211	6795	65	7431	259	7822	261	8029	305	8123	393	8252	491
6220	57	6439	97	6615	211	6796	75	7442	281	7860	267	8030	305	8125	393	8253	493
6222	57	6442	243	6616	211	6797	75	7443	281	7861	267	8031	309	8128	465	8254	493
6239	57	6443	181	6617	211	6799	59	7445	279	7862	269	8032	309	8129	465	8257	493
6240	57	6491	183	6618	59	6801	211	7446	279	7863	267	8033	309	8130	437	8258	491
6245	71	6492	183	6619	59	6802	211	7447	279	7864	269	8034	305	8131	437	8259	493
6246	57	6494	183	6621	211	6803	211	7449	279	7865	269	8035	309	8132	459	8269	491
6247	209	6498	163	6622	213	6811	67	7450	279	7866	267	8036	305	8134	437	8281	491
6248	181	6504	165	6623	213	6812	67	7454	279	7867	269	8037	309	8135	437	8282	491
6261	97	6505	165	6634	97	6820	63	7455	279	7868	269	8038	305	8136	337	8283	489
6290	181	6506	165	6635	73	6821	63	7457	275	7869	267	8039	309	8137	337	8284	489
6291	181	6507	165	6636	73	6822	227	7460	275	7870	267	8040	309	8138	337	8285	489
6292	181	6508	165	6637	73	6823	227	7465	275	7871	269	8041	309	8139	337	8287	489
6300	179	6510	177	6638	97	6824	227	7470	275	7872	267	8042	301	8140	337	8289	489
6301	57	6511	177	6644	97	6825	63	7473	275	7873	269	8043	301	8141	499	8293	491
6302	57	6513	177	6645	239	6827	227	7474	275	7874	269	8044	301	8142	499	8294	491
6303	57	6515	177	6646	239	6831	69	7505	263	7875	267	8047	311	8143	337	8295	491
6304	57	6517	55	6658	97	6833	69	7508	263	7876	269	8052	493	8145	499	8296	491
6305	57	6518	55	6696	213	6835	69	7509	263	7877	269	8053	493	8146	499	8297	491

No.	Page	No.	Page	No.	Page	No.	Page	No.	Page	No.	Page	No.	Page	No.	Page	No.	Page
8298	491	8439	335	8589	285	8685	401	8774	327	8882	483	9059	407	9226.3	435	9586	409
8299	491	8440	349	8590	283	8688	299	8775	447	8889	485	9073	495	9226.6	435	9587	447
8300	319	8441	379	8591	283	8689	299	8776	447	8890	485	9092	495	9242.1	435	9588	447
8301	319	8442	355	8593	283	8690	299	8778	327	8894	377	9093	495	9242.3	435	9616	495
8302	319	8444	335	8594	285	8691	361	8779	327	8895	377	9101.1	443	9242.6	435	9674	251
8305	319	8445	335	8597	285	8692	361	8780	327	8896	377	9101.3	443	9243.1	435	9677	405
8306	319	8446	349	8598	285	8693	325	8782	329	8897	321	9101.6	443	9243.3	435	9685	409
8307	319	8447	379	8599	285	8694	325	8783	329	8898	321	9101.8	443	9243.6	435	9716	495
8314	401	8449	335	8600	317	8695	325	8784	333	8900	295	9103.1	443	9243.8	435	9734	409
8315	265	8451	335	8602	323	8696	301	8787	327	8901	295	9103.3	443	9250	439	9754.1	443
8316	265	8453	387	8603	323	8697	301	8788	327	8902	295	9103.6	443	9252	497	9754.3	443
8319	265	8455	387	8604	323	8698	301	8789	327	8903	295	9103.8	443	9253	497	9754.6	443
8322	385	8472	397	8606	313	8699	301	8790	327	8904	485	9108.1	443	9259	439	9755	449
8323	385	8474	397	8607	313	8700	307	8791	453	8908	295	9108.3	443	9310	295	9756	449
8324	385	8476	359	8608	317	8701	313	8792	453	8912	287	9108.6	443	9316	495	9757	449
8325	265	8477	359	8609	317	8702	331	8800	329	8914	295	9108.8	443	9318.1	443	9772	449
8333	465	8480	387	8610	317	8703	313	8801	329	8915	287	9116	457	9318.3	443	9774	405
8340	385	8481	387	8611	317	8704	313	8802	329	8916	289	9122	497	9318.6	443	9804	485
8341	385	8482	367	8612	331	8705	313	8803	303	8918	287	9127	497	9318.8	443	9837	409
8342	385	8484	355	8613	317	8708	313	8804	329	8920	289	9129.1	435	9319.1	443	9841	415
8344	301	8485	283	8614	331	8711	313	8805	303	8921	445	9129.3	435	9319.3	443	9842	415
8350	265	8486	283	8615	331	8712	313	8806	303	8922	445	9129.6	435	9319.6	443	9844	441
8351	265	8487	283	8616	313	8713	313	8807	303	8931	413	9129.8	435	9319.8	443	9846	457
8352	479	8488	283	8617	313	8715	313	8808	303	8932	413	9137	407	9350	439	9849	485
8358	479	8489	283	8618	313	8716	313	8809	303	8933	287	9141	497	9395	251	9850	261
8376	391	8490	407	8620	317	8718	331	8810	297	8934	291	9147	355	9411	295	9858	445
8378	391	8491	407	8621	317	8719	331	8814	303	8935	419	9148	459	9412	295	9863	415
8380	481	8499	407	8626	323	8720	331	8815	297	8936	419	9150	439	9416	495	9864	415
8381	481	8503	281	8628	323	8721	453	8819	303	8937	419	9153	439	9437	251	9867	405
8382	481	8504	281	8629	323	8722	453	8821	483	8939	419	9155	497	9441	459	9873	415
8383	481	8507	281	8630	343	8730	333	8822	483	8942	289	9163	495	9468	459	9881	415
8384	481	8508	281	8632	343	8732	323	8830	323	8943	291	9164	495	9471	251	9886.1	435
8396	491	8509	293	8633	343	8733	323	8831	323	8945	427	9166	251	9475	259	9886.3	435
8399	491	8510	293	8637	371	8734	323	8832	323	8949	485	9168	459	9480	277	9886.6	435
8401	265	8511	403	8638	371	8735	419	8833	323	8966	429	9171	251	9483	367	9886.8	435
8403	275	8512	365	8640	371	8736	419	8834	323	8969	429	9183	467	9484	251	9889	417
8405	275	8513	363	8641	371	8737	419	8835	323	8980	395	9191	497	9485	367	9890	417
8406	275	8518	363	8642	323	8738	419	8836	409	8983	423	9192	497	9495	415	9894.1	443
8407	275	8519	403	8643	323	8740	347	8841	445	8984	431	9193	497	9496	415	9894.3	443
8408	275	8521	403	8644	323	8741	347	8842	445	8985	431	9199.1	435	9497	417	9894.6	443
8409	275	8524	383	8645	375	8742	323	8844	377	8988	395	9199.3	435	9498	251	9897	441
8412	265	8529	403	8646	371	8743	323	8845	377	8989	395	9199.6	435	9504.1	443	9898	467
8413	265	8532	381	8647	371	8744	323	8846	377	8990	395	9199.8	435	9504.3	443	9900	485
8415	365	8533	381	8650	307	8745	345	8847	333	8993	423	9201.1	443	9504.6	443	9906	485
8416	365	8534	383	8651	307	8746	345	8852	329	8994	421	9201.3	443	9504.8	443	9912	287
8417	369	8539	381	8652	253	8747	333	8853	329	8995	433	9201.6	443	9508	293	9914	451
8418	365	8542	357	8653	315	8750	307	8854	329	8996	433	9201.8	443	9509	293	9919	451
8419	369	8543	357	8654	315	8751	307	8856	329	8997	421	9202.1	443	9513.1	443	9925	417
8421	265	8544	357	8658	253	8752	253	8857	329	8998	421	9202.3	443	9513.3	443	9926	417
8422	369	8546	357	8660	253	8753	315	8858	329	8999	391	9202.6	443	9513.6	443	9927	417
8426	339	8547	357	8664	409	8754	253	8859	329			9202.8	443	9513.8	443	9951.6	435
8427	339	8549	383	8670	351	8755	345	8860	329			9204.1	443	9514	365	9951.8	435
8428	339	8550	281	8671	327	8756	315	8871	411			9204.3	443	9518.1	443	9954	451
8429	339	8552	281	8673	327	8757	315	8872	411			9204.6	443	9518.3	443	9957	445
8431	339	8558	281	8674	327	8758	253	8873	411			9204.8	443	9518.6	443	9962	445
8432	369	8582	401	8675	327	8759	253	8874	411			9205.1	443	9518.8	443	9973	445
8433	339	8583	281	8676	351	8760	253	8875	413			9205.3	443	9559	251	9976	405
8434	355	8584	281	8678	373	8769	333	8876	413			9205.6	443	9566	349	9991	451
8436	341	8586	281	8679	373	8770	333	8877	425			9205.8	443	9575	277	9997	441
8437	341	8587	281	8681	361	8772	333	8878	425			9222	497	9584	409	9998	485
8438	341	8588	285	8682	361	8773	333	8881	483			9226.1	435	9585	277	9999	485

9000

9016	457
9019	495
9046	349
9048	459
9050	497
9054	497
9055	497
9057	497

General Conditions of Sale · Main Catalogue 29

Our deliveries are effected in accordance with the "General Conditions of Supply and Delivery for Products and Services of the Electrical Industry" as issued and amended by the ZVEI association of German Electrical and Electronic Manufacturers and the supplementary clause "extended retention of title" only. In addition, our terms and conditions of sale and delivery hereinafter set forth shall apply.

Quotations – All quotations are subject to change without notice.

Delivery – Deliveries shall be effected ex works for the purchaser's account and at his risk. Risk of breakage shall be borne by the purchaser. If requested, risk of breakage can be assumed by us to a delivery address in Europe and charged separately at 1 % of the goods value. Overseas premium on request.

Time of delivery – This shall be stated to the best of our ability and shall be deemed binding only when explicitly confirmed by us. Differing from the "General Conditions of Supply and Delivery for Products and Services of the Electrical Industry" (ZVEI), entitlement to damages resulting from delivery delays is excluded if these are only due to light negligence on our part. In case of violation of material contractual commitments the compensation is limited to the foreseeable contract typical damage.

Prices – As per our current price list in Euro. Charges for legalization and courier service shall be made at actual cost. Outer packing shall be charged at cost and cannot be returned. If a certain net order value is reached, we can arrange deliveries on the following terms: freight paid to German border or FOB German seaport. In this case, we follow the relevant rules of the INCOTERMS, latest edition. On delivery, we always charge the current prices, even if other prices were quoted. Except for routine deliveries by our contract forwarders, the outer packing shall be invoiced.

Payment – If not otherwise arranged, payment is to be made by irrevocable and confirmed documentary letter of credit, to be established through a first class foreign bank with Dresdner Bank AG or Commerzbank AG, Iserlohn. All banking charges outside Germany including advising and negotiating commission and reimbursing bank fees for a/c of applicant. If we agree to open an account, all invoices are due without deduction within 30 days from date of invoice. Payment is to be considered effected as soon as we have the invoiced amount at our disposal. If payment is not effected within the period of 30 days after date of invoice, the purchaser comes into default without prior reminder. If there is any doubt about the receipt or date of receipt of the invoice, then payment becomes due 30 days after receipt of our service. In this case the purchaser comes into default as from the 31st day after receipt of our service. If the due date for payment is exceeded, we are authorised to charge default interest at the rate customary in banking as per § 288 BGB + § 247 (German Civil Code). Our right to claim additional damage shall not be influenced in this case. Contrary to differing payment terms which may have been explicitly agreed upon in individual cases, settlement becomes due immediately if circumstances arise with regard to the purchaser's person that make the upholding of existing agreements unreasonable.

Proprietary rights / reservation of title – Additionally to the "General Conditions of Supply and Delivery for Products and Services of the Electrical Industry" as issued by the ZVEI, the following shall apply: The purchaser is entitled to sell the goods delivered by us in customary business transactions, provided no ban of assignment of rights has been agreed between himself and his customer. The purchaser assigns to us as security the entitlement to the purchase price which arises from the sale. He is, however, empowered to collect debts, which he has assigned to us provided this empowerment is not revoked. The empowerment can be revoked if the purchaser does not fulfil or ceases to fulfil his contractual obligations. We are entitled to give notification of the occurred assignment of rights if the direct debit mandate has been revoked. The purchaser must promptly

provide the documentation which is necessary for the notification of the assignment of rights and for collection of monies. The provisions of III. paragraph 1 sentence 2 of the "General Conditions of Supply and Delivery for Products and Services of the Electrical Industry" as issued by the ZVEI shall apply as appropriate for the case of greater than 20 % excess security.

Design – We reserve the right to make alterations in design and construction which are necessitated by technical progress and customary for the lighting industry, provided they are not individually unreasonable for the purchaser.

Warranty – Supplementary to regulations in Article VIII and XI. of the "General Conditions of Supply and Delivery for Products and Services of the Electrical Industry" (ZVEI), the following stipulations shall be effective: Additional to article VIII.3 complaints referring to delivered quantities and visual damages have to be effected within 7 days after receipt of delivery.

Additional to article VIII.9 revert claims from purchasers shall be applied as follows:

The purchaser must, in case his customer or his customers' customer claims his justified right for subsequent fulfilment, give us the opportunity to carry out the subsequent fulfilment ourselves within a reasonable period, before obtaining replacement elsewhere.

The purchaser shall impose this obligation on his customer accordingly. If the purchaser violates this obligation, we reserve the right to deduct the expenses for subsequent fulfilment to the amount resulting from our own subsequent fulfilment. § 443 BGB (German Civil Code) stays unaffected. Furthermore, reimbursement of expenses arising from subsequent fulfilment and passed on by the purchasers' customer to the purchaser is ruled out if the purchaser refrained from legitimately refusing this kind of subsequent fulfilment or both kinds of subsequent fulfilment. Otherwise, article XI. of the "General Conditions of Supply and Delivery for Products and Services of the Electrical Industry" (ZVEI) applies for compensation claims.

Liability for services – We accept no liability for consequential damages due to defective light planning which we have prepared as a service free of charge during preliminary stages of contract negotiations. An explicit written arrangement shall be needed if such plans are to become a requirement or constituent of a delivery or service from us.

Application as determined – According to the Law on the Safety of Appliances, luminaires are technical products and must be used only in accordance with their intended purpose. The use of luminaires and accessories in a manner other than in accordance with their intended purpose as well as unauthorised alteration of our luminaires without our express written consent shall release us from any obligation in the event of a claim.

Returns – Returns not sent back within the warranty frame work according to the right of withdrawal shall only be credited if our prior consent is available. Originally packed and undamaged goods shall be credited at 80 % of the price invoiced if they correspond with the current sales programme. Necessary re-conditioning and packing cost as well as transport costs incurred by us shall be deducted in addition and without special notification. Custom-made and special electrical productions cannot be returned.

Disposal – Non-private purchasers undertake to ensure that the products supplied are disposed of in accordance with the provisions of the Directive on Waste Electric and Electronic Equipment. Where products are resold, the purchaser transfers this obligation to its contractual partner.

Exports – The delivery of our products and the submission of quotations thereon to countries outside the European Union - also through third parties - shall require our prior consent.

Other – Place of performance and legal venue is Menden. All contractual relations shall be governed by German law.