

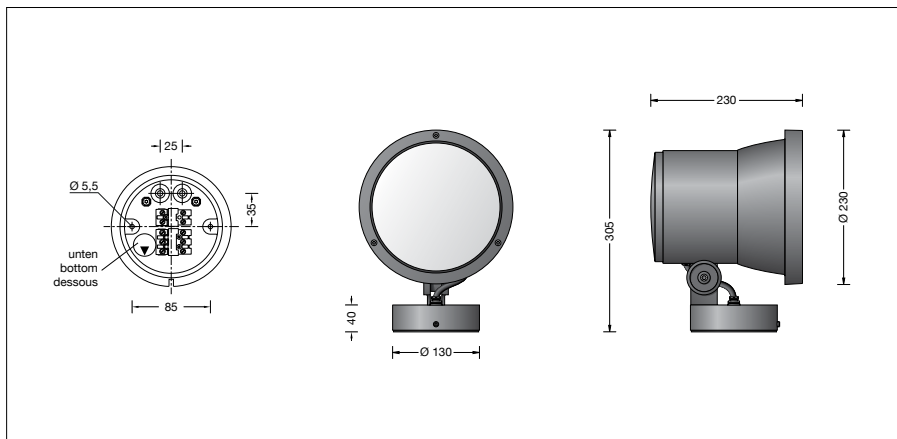
BEGA**77 659**

Compact floodlight



Project · Reference number

Date



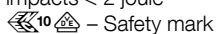
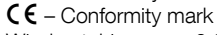
Product data sheet

Application

LED compact floodlight with mounting box for permanent installations on a wall, under a ceiling or on a pillar.

For a variety of interior and exterior lighting applications.

Product description

Luminaire made of aluminium alloy, aluminium and stainless steel
 BEGA Unidure® coating technology
 Clear safety glass
 Silicone gasket
 Reflector made of pure anodised aluminium
 Rotation range of floodlight 350°
 Swivel range -20°/+90°
 Mounting box with 2 fixing holes
 ø 5.5 mm · 85 mm spacing
 2 cable entries for through-wiring of mains supply cable ø 7-10.5 mm, max. 5 G 1.5[□]
 Connecting terminal 2.5[□]
 with plug connection
 Earth conductor connection
 LED power supply unit
 220-240 V ~ 0/50-60 Hz
 DC 170-276 V
 DALI controllable
 A basic isolation exists between power cable and control line
 BEGA Thermal Switch®
 Temporary thermal shutdown to protect temperature-sensitive components
 Safety class I
 Protection class IP 65
 Dust-tight and protection against water jets
 Impact strength IK07
 Protection against mechanical impacts < 2 joule
 – Safety mark
 – Conformity mark
 Wind catching area: 0.05 m²
 Weight: 4.4 kg

Lamp

| | |
|-----------------------------|----------------------------------|
| Module connected wattage | 46.7 W |
| Luminaire connected wattage | 52.5 W |
| Rated temperature | $t_a = 25\text{ °C}$ |
| Ambient temperature | $t_{a\text{max}} = 30\text{ °C}$ |

On request we can offer you modifications for environments with higher temperatures as a customized product.

77 659 K4

| | |
|-------------------------------|--------------|
| Module designation | LED-0785/940 |
| Colour temperature | 4000 K |
| Colour rendering index | CRI > 90 |
| Module luminous flux | 6610 lm |
| Luminaire luminous flux | 4540 lm |
| Luminaire luminous efficiency | 86,5 lm/W |

77 659 K3

| | |
|-------------------------------|--------------|
| Module designation | LED-0785/930 |
| Colour temperature | 3000 K |
| Colour rendering index | CRI > 90 |
| Module luminous flux | 6510 lm |
| Luminaire luminous flux | 4472 lm |
| Luminaire luminous efficiency | 85,2 lm/W |

Service life · Ambient temperature

| | |
|--|-------------------|
| Rated temperature $t_a = 25\text{ °C}$ | |
| LED psu: | > 50,000h |
| LED module: | 150,000h (L80B50) |

| | |
|--|-------------------|
| Ambient temperature $t_{a\text{max}} = 30\text{ °C}$ (100 %) | |
| LED psu: | 50,000h |
| LED module: | 140,000h (L80B50) |

Inrush current

Inrush current: 20 A / 400 μs
 Maximum number of luminaires of this type per miniature circuit breaker:

| | |
|--------|---------------|
| B 10A: | 9 luminaires |
| B 16A: | 15 luminaires |
| C 10A: | 16 luminaires |
| C 16A: | 25 luminaires |

Lighting technology

Symmetrical narrow beam light distribution.
 Half beam angle 25°
 By changing the diffuser lens it is possible to alter the symmetrical light distribution into a flat beam light distribution.
 Luminaire data for the light planning program DIALux for outdoor lighting, street lighting and indoor lighting, as well as luminaire data in EULUMDAT and IES format are available on the BEGA website at www.bega.com.

Article No. 77 659

LED colour temperature optionally 4000 K or 3000 K
 4000 K – Article number + **K4**
 3000 K – Article number + **K3**

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

Accessories

70 758 Shield
70 065 Exchangeable lens flat beam
70 775 Louvre

For the accessories a separate instructions for use can be provided upon request.

Light distribution