

BEGA**84 929**

Compact floodlight



Project · Reference number

Date

Product data sheet

Application

Compact floodlights with G $\frac{1}{2}$ connecting thread.
The floodlight can be screwed on by the customer with any G $\frac{1}{2}$ female thread according to ISO 228 or with BEGA accessories.

Product description

Luminaire made of aluminium alloy,
aluminium and stainless steel
BEGA Unidure® coating technology
Colour graphite or silver
BEGA Hybrid Optics®
Clear safety glass
Reflector surface made of pure aluminium
Rotation range of floodlight 350°
Swivel range -20°/+90°
Mounting bracket with G $\frac{1}{2}$ threaded connection
Thread length: 11 mm
Connecting cable X05BQ-F 5 G 1 mm²
Cable length 1 m
LED power supply unit
220-240 V \sim 0/50-60 Hz
DALI-controllable
Number of DALI addresses: 1
Basic insulation is provided between the mains and control cables
BEGA Thermal Control®
Temporary thermal regulation to protect temperature-sensitive components without switching off the luminaire
Safety class I
Protection class IP 65
Dust-tight and protection against water jets
Impact strength IK06
Protection against mechanical impacts < 1 joule
⚡ 10 ⚡ – Safety mark
CE – Conformity mark
Weight: 1.3 kg
This product contains light sources of energy efficiency class(es) F

Lamp

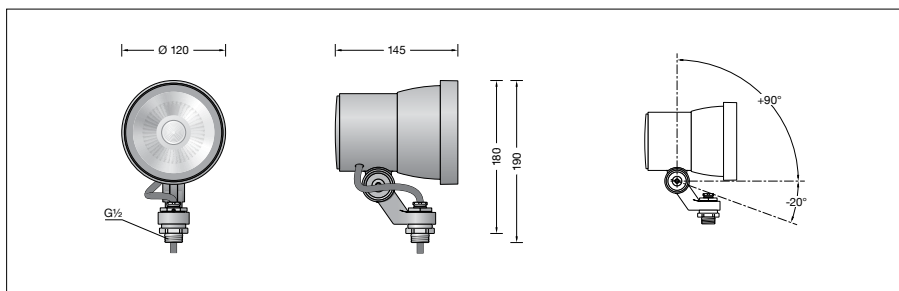
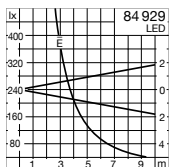
| | |
|-----------------------------|---------------------------------------|
| Module connected wattage | 10.2 W |
| Luminaire connected wattage | 11.8 W |
| Rated temperature | $t_a = 25^\circ\text{C}$ |
| Ambient temperature | $t_{a\text{ max}} = 55^\circ\text{C}$ |

84 929 K3

| | |
|-------------------------------|--------------|
| Module designation | LED-1148/930 |
| Colour temperature | 3000 K |
| Colour rendering index | CRI > 90 |
| Module luminous flux | 1500 lm |
| Luminaire luminous flux | 1098 lm |
| Luminaire luminous efficiency | 93,1 lm/W |

84 929 K4

| | |
|-------------------------------|--------------|
| Module designation | LED-1148/940 |
| Colour temperature | 4000 K |
| Colour rendering index | CRI > 90 |
| Module luminous flux | 1575 lm |
| Luminaire luminous flux | 1153 lm |
| Luminaire luminous efficiency | 97,7 lm/W |

Light distribution**Service life · Ambient temperature**

Rated temperature $t_a = 25^\circ\text{C}$
LED psu: > 50,000 h
LED module: > 200,000 h (L80 B50)
100,000 h (L90 B50)

Ambient temperature max. $t_a = 55^\circ\text{C}$ (100 %)

LED psu: 50,000 h
LED module: 160,000 h (L80 B50)

Lighting technology

Wide beam light distribution

Half beam angle 20°

For special lighting applications, an optical filter can be used to change the symmetrical light cone into a flat beam light distribution.

BEGA Hybrid Optics®

BEGA Hybrid Optics® offers complete lighting control thanks to optimized refraction and reflection. Precisely calculated reflectors with a pure aluminium surface and lenses, for example made of ultra-clear silicone or glass, capture almost every single light beam emitted by the LED modules. Maximum light efficiency is achieved via the synergy between lens and reflector technology.

Inrush current

Inrush current: 16 A / 100 μs

Maximum number of luminaires of this type per miniature circuit breaker:

| | |
|--------|---------------|
| B 10A: | 25 luminaires |
| B 16A: | 55 luminaires |
| C 10A: | 45 luminaires |
| C 16A: | 70 luminaires |

Accessories

- 71 279** Shield
- 71 284** Cylindrical shield
- 71 289** Optical filter flat beam
- 71 042** Adapter for installation on a pole
- 70 204** Earth spike
- 70 214** Pole cap for pole ø 48 mm
- 70 248** Pole cap for pole ø 60 mm
- 70 245** Mounting box
- 70 252** General fastener
- 70 280** Tube clamp G½
- 70 283** Screw clamp
- 70 379** Cross beam G½
- 70 889** Tension belt

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

Article No. 84 929

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

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