

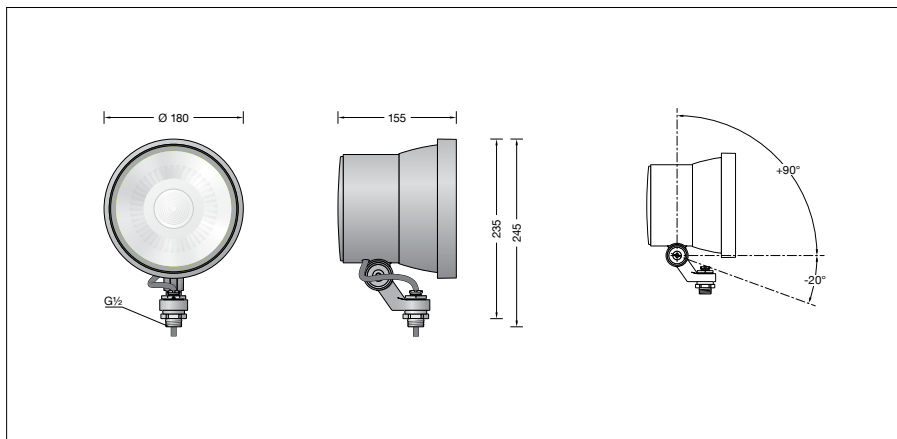
**BEGA****84 937**

Compact floodlight



Project · Reference number

Date



## Product data sheet

**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 mm<sup>2</sup>  
 Cable length 1 m  
 BEGA Ultimate Driver®  
 LED power supply unit  
 220-240 V ~ 0/50-60 Hz  
 DC 176-264 V  
 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 IK07  
 Protection against mechanical impacts < 2 joule  
 – Safety mark  
 – Conformity mark  
 Weight: 2.4 kg  
 This product contains light sources of energy efficiency class(es) E

**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.

**Lamp**

Module connected wattage	36.8 W
Luminaire connected wattage	40 W
Rated temperature	$t_a = 25\text{ }^{\circ}\text{C}$
Ambient temperature	$t_{a\text{ max}} = 35\text{ }^{\circ}\text{C}$

**84 937 K3**

Module designation	LED-0780/930
Colour temperature	3000 K
Colour rendering index	CRI > 90
Module luminous flux	5145 lm
Luminaire luminous flux	3834 lm
Luminaire luminous efficiency	95,8 lm/W

**84 937 K4**

Module designation	LED-0780/940
Colour temperature	4000 K
Colour rendering index	CRI > 90
Module luminous flux	5220 lm
Luminaire luminous flux	3890 lm
Luminaire luminous efficiency	97,2 lm/W

**Service life · Ambient temperature**

Rated temperature $t_a = 25\text{ }^{\circ}\text{C}$	
LED psu:	> 50,000 h
LED module:	170,000 h (L 80 B 50)

Ambient temperature max. $t_a = 35\text{ }^{\circ}\text{C}$ (100 %)	
LED psu:	50,000 h
LED module:	140,000 h (L 80 B 50)

Ambient temperature max. $t_a = 50\text{ }^{\circ}\text{C}$ (83 %)	
LED psu:	> 50,000 h
LED module:	> 50,000 h (L 70 B 50)

BEGA Thermal Control® protects temperature-sensitive luminaire components by temporarily limiting the nominal power at high temperatures.

**Inrush current**

Inrush current: 5 A / 100  $\mu\text{s}$   
 Maximum number of luminaires of this type per miniature circuit breaker:  
 B 10A: 28 luminaires  
 B 16A: 45 luminaires  
 C 10A: 28 luminaires  
 C 16A: 48 luminaires

**Light technique**

Broad spread light distribution.  
 Half beam angle 54°

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.

**Accessories**

<b>71 281</b>	Shield
<b>71 286</b>	Cylindrical shield
<b>71 291</b>	Optical filter flat beam
<b>71 042</b>	Adapter for installation on a pole
<b>70 204</b>	Earth spike
<b>70 214</b>	Pole cap for pole $\varnothing$ 48 mm
<b>70 248</b>	Pole cap for pole $\varnothing$ 60 mm
<b>70 245</b>	Mounting box
<b>70 252</b>	General fastener
<b>70 280</b>	Tube clamp G $\frac{1}{2}$
<b>70 283</b>	Screw clamp
<b>70 379</b>	Cross beam G $\frac{1}{2}$
<b>70 889</b>	Tension belt

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

**Article No. 84 937**

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**

**Light distribution**