



Product data sheet

Product description

Luminaire made of aluminium alloy, aluminium and stainless steel
 BEGA Unidure® coating technology
 Colour graphite or silver
 Clear safety glass
 Silicone gasket
 Reflector surface made of pure aluminium
 Optical silicone lens · BEGA Hybrid Optics®
 Inside louvre made of polyamide
 Rotation range of floodlight 350°
 Swivel range -30°/+100°
 Mounting bracket with G½ threaded connection
 Thread length: 10 mm
 Connecting cable X05BQ-F 5 G 1 mm²
 Cable length 1 m
 LED power supply unit
 220-240 V × 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 IK08
 Protection against mechanical impacts < 5 joule
 ■ – Safety mark
 C – Conformity mark
 Wind catching area: 0.02 m²
 Weight: 1.8 kg
 This product contains light sources of energy efficiency class(es) E

Application

Performance floodlight with G½ mounting bush in compact design.

The floodlight can be bolted together with any female thread G½ according to ISO 228 supplied by others or to BEGA accessories. For a variety of interior and exterior lighting applications.

Lamp

Module connected wattage	18.2 W
Luminaire connected wattage	20.9 W
Rated temperature	$t_a = 25^\circ\text{C}$
Ambient temperature	$t_{a\text{ max}} = 45^\circ\text{C}$

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

84 215 K4

Module designation	LED-0946/940
Colour temperature	4000 K
Colour rendering index	CRI > 90
Module luminous flux	2300 lm
Luminaire luminous flux	1244 lm
Luminaire luminous efficiency	59,5 lm/W

84 215 K3

Module designation	LED-0946/930
Colour temperature	3000 K
Colour rendering index	CRI > 90
Module luminous flux	2265 lm
Luminaire luminous flux	1225 lm
Luminaire luminous efficiency	58,6 lm/W

Service life · Ambient temperature

Rated temperature $t_a = 25^\circ\text{C}$	
LED psu:	> 50,000 h
LED module:	190,000 h (L80 B50)

Ambient temperature max. $t_a = 45^\circ\text{C}$ (100 %)

LED psu:	50,000 h
LED module:	130,000 h (L80 B50)

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

Lighting technology

Focused light distribution with built-in louvres for stray light reduction.

Half beam angle 8°

For special lighting applications, the symmetrical light cone can be changed to a flat beam using an additional diffuser lens.

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.

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

71 120	Exchangeable lens flat beam
71 118	Shield
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. 84 215

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**

Light distribution

