

BEGA**84 546**

Performance floodlight



Project · Reference number

Date

Product data sheet

Application

LED performance floodlight with mounting box in compact design.
For a variety of interior and exterior lighting applications.

Product description

Luminaire made of aluminium alloy, aluminium and stainless steel
Clear safety glass · Silicone gasket
Optical silicone lens · BEGA Hybrid Optics®
Reflector surface made of pure aluminium
Rotation range of floodlight 350°
Swivel range -30°/+100°
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. 5G1.5[□]
Connecting terminal 2.5[□] with plug connection
Earth conductor connection
LED power supply unit
220-240 V ~ 0/50-60 Hz
DC 176-280 V
During DC operation the LED power is reduced to 15 %
DALI controllable
A basic isolation exists between power cable and control line
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
⚡ 10 ⚡ – Safety mark
CE – Conformity mark
Wind catching area: 0.055 m²
Weight: 5.6 kg

Lamp

Module connected wattage	71.1 W
Luminaire connected wattage	77.2 W
Rated temperature	$t_a = 25 \text{ °C}$
Ambient temperature	$t_{a \text{ max}} = 25 \text{ °C}$

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

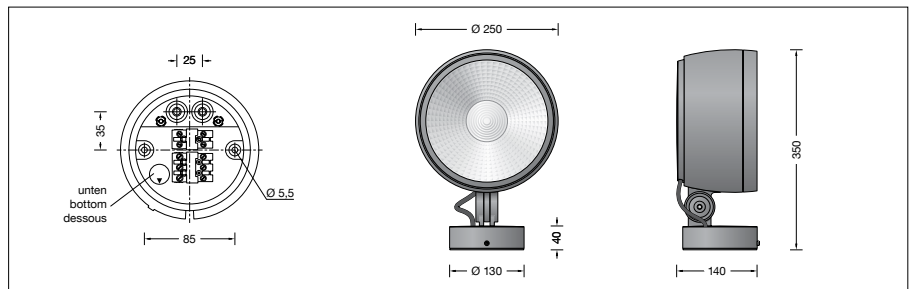
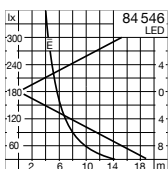
84 546 K4

Module designation	LED-0442/940
Colour temperature	4000 K
Colour rendering index	CRI > 90
Module luminous flux	10710 lm
Luminaire luminous flux	8172 lm
Luminaire luminous efficiency	105,9 lm/W

84 546 K3

Module designation	LED-0442/930
Colour temperature	3000 K
Colour rendering index	CRI > 90
Module luminous flux	10550 lm
Luminaire luminous flux	8050 lm
Luminaire luminous efficiency	104,3 lm/W

Light distribution



Service life of the LED

max. ambient temperature $t_a = 25 \text{ °C}$
– at 170,000h: L70B50

Inrush current

Inrush current: 50 A / 209 μ s
Maximum number of luminaires of this type per miniature circuit breaker:
B 10A: 6 luminaires
B 16A: 10 luminaires
C 10A: 10 luminaires
C 16A: 16 luminaires

Light technique

Symmetrical wide beam light distribution
Half beam angle 57°
By changing the diffuser lense 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. 84 546

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

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

Accessories

71 072 Shield
71 074 Exchangeable lens flat beam

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