

BEGA**84 548**

Performance floodlight



Project · Reference number

Date

Product data sheet

Application

LED performance floodlight with G $\frac{1}{2}$ mounting bush in compact design.
The floodlight can be bolted together with any female thread G $\frac{1}{2}$ according to ISO 228 supplied by others or to BEGA accessories.

Product description

Luminaire made of aluminium alloy, aluminium and stainless steel
Clear safety glass · Silicone gasket
Reflector surface made of pure aluminium
Optical silicone lens
Rotation range of floodlight 350°
Swivel range -30°/+140°
Mounting bracket with G $\frac{1}{2}$ threaded connection
Thread length: 10 mm
Connecting cable X05BQ-F 5 G 1 \square
Cable length 1 m
LED power supply unit
220-240 V \sim 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
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
 – Conformity mark
Wind catching area: 0.05 m 2
Weight: 5.4 kg

Lamp

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

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

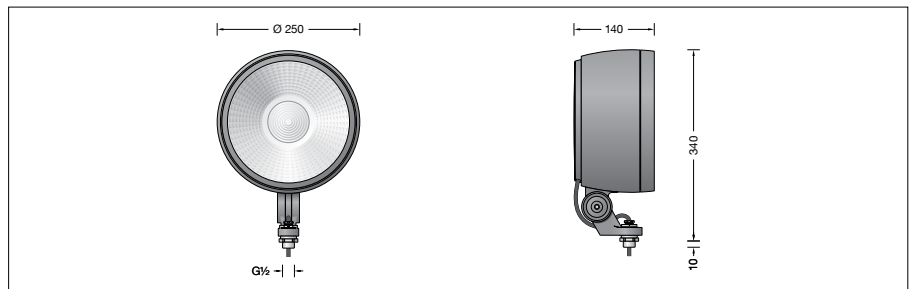
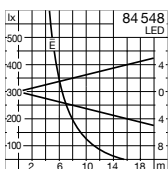
84 548 K4

Module designation	LED-0442/940
Colour temperature	4000 K
Colour rendering index	CRI > 90
Module luminous flux	10710 lm
Luminaire luminous flux	8270 lm
Luminaire luminous efficiency	107,1 lm/W

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Module designation	LED-0442/930
Colour temperature	3000 K
Colour rendering index	CRI > 90
Module luminous flux	10550 lm
Luminaire luminous flux	8146 lm
Luminaire luminous efficiency	105,5 lm/W

Light distribution



Service life of the LED

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

Lighting technology

Symmetrical narrow beam light distribution.
Half beam angle 27°
For special lighting tasks the symmetrical light cone can be changed to a flat beam light distribution by an additional the 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.

Inrush current

Inrush current: 50 A / 209 μ s
Maximum number of luminaires of this type per miniature circuit breaker:
B10A: 6 luminaires
B16A: 10 luminaires
C10A: 10 luminaires
C16A: 16 luminaires

Article No. 84 548

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
71 073 Louvre
71 074 Exchangeable lens flat beam
70 214 Pole cap for pole \varnothing 48 mm
70 248 Pole cap for pole \varnothing 60 mm
70 245 Mounting box
70 252 Tree screw
70 280 Tube clamp G $\frac{1}{2}$
70 283 Screw clamp
70 379 Outrigger arm G $\frac{1}{2}$
70 889 Tension belt

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