

**BEGA****84 549**

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.  
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  
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: 5.5 kg

### Lamp

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

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

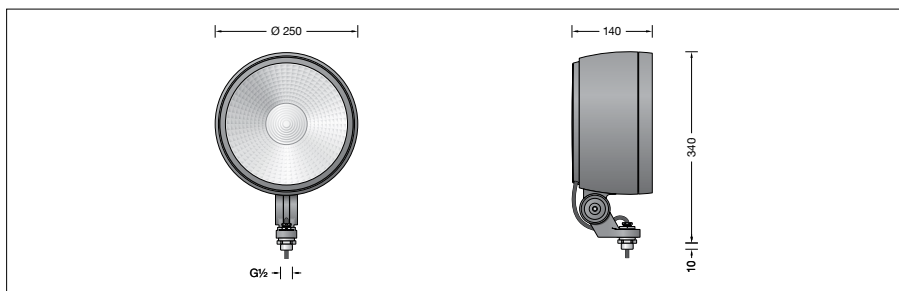
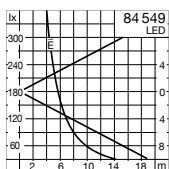
### 84 549 K4

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

### 84 549 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  $t_a = 25^\circ\text{C}$   
– at 170,000h: L70B50

### Light technique

Symmetrical wide beam light distribution  
Half beam angle 57°  
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](http://www.bega.com).

### Inrush current

Inrush current: 50 A / 209  $\mu\text{s}$   
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. 84 549

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  
**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.