

**BEGA****84 209**

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°/+90°  
Mounting box with 2 fixing holes  
ø 4.5 mm · 67 mm spacing  
2 cable entries for through-wiring of mains supply cable ø 7-10.5 mm, max. 5 G 1.5<sup>□</sup>  
Connecting terminal 2.5<sup>□</sup> with plug connection  
Earth conductor connection  
LED power supply unit  
220-240 V ~ 0/50-60 Hz  
DC 176-276 V  
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  
 – Safety mark  
 – Conformity mark  
Wind catching area: 0.025 m<sup>2</sup>  
Weight: 1.9 kg

### Lamp

Module connected wattage	16.8 W
Luminaire connected wattage	19 W
Rated temperature	$t_a = 25\text{ °C}$
Ambient temperature	$t_{a\text{ max}} = 45\text{ °C}$

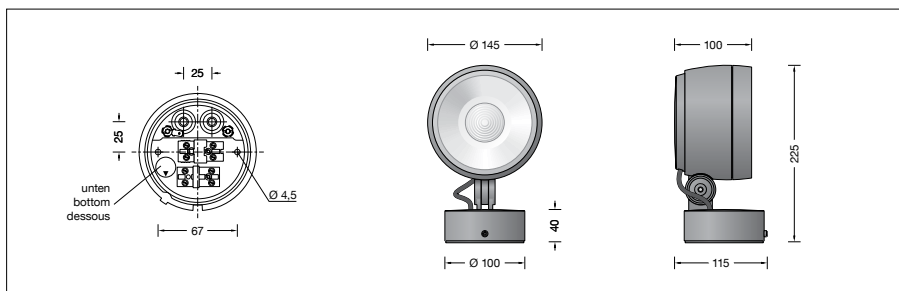
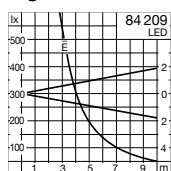
### 84 209 K4

Module designation	LED-0800/940
Colour temperature	4000 K
Colour rendering index	CRI > 90
Module luminous flux	2480 lm
Luminaire luminous flux	1937 lm
Luminaire luminous efficiency	101,9 lm/W

### 84 209 K3

Module designation	LED-0800/930
Colour temperature	3000 K
Colour rendering index	CRI > 90
Module flux	2440 lm
Luminaire luminous flux	1906 lm
Luminaire luminous efficiency	100,3 lm/W

### Light distribution



### Service life · Ambient temperature

Rated temperature  $t_a = 25\text{ °C}$   
LED psu: > 50,000h  
LED module: 170,000h (L80B50)

Ambient temperature  $t_{a\text{ max}} = 45\text{ °C}$  (100 %)  
LED psu: 50,000h  
LED module: 120,000h (L80B50)

### Lighting technology

Symmetrical narrow beam light distribution.  
Half beam angle 18°  
By changing the diffuser lens 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](http://www.bega.com).

### Inrush current

Inrush current: 12 A / 24.2  $\mu\text{s}$   
Maximum number of luminaires of this type per miniature circuit breaker:  
B 10A: 50 luminaires  
B 16A: 50 luminaires  
C 10A: 50 luminaires  
C 16A: 50 luminaires

### Article No. 84 209

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**

### Accessories

**71 118** Shield  
**71 120** Exchangeable lens flat beam  
**71 119** Louvre

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