

**BEGA****84 208**

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  
Reflector surface made of pure aluminium  
Inside louvre  
made of glass-fibre reinforced polyamide  
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>2</sup>  
Connecting terminal 2.5<sup>2</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  
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: 2.0 kg

### Lamp

Module connected wattage	18.2 W
Luminaire connected wattage	20.7 W
Rated temperature	$t_a = 25\text{ °C}$
Ambient temperature	$t_{a,max} = 45\text{ °C}$

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

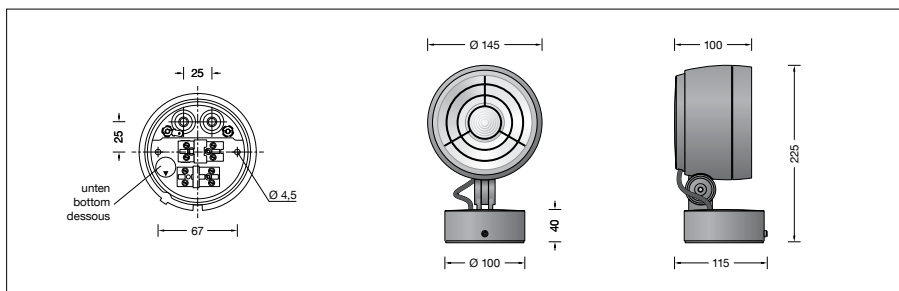
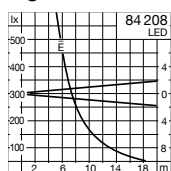
### 84 208 K4

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	60,1 lm/W

### 84 208 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	59,2 lm/W

### Light distribution



### Service life of the LED

Ambient temperature  $t_a = 25\text{ °C}$   
– at 220,000h: L70 B50

max. ambient temperature  $t_a = 45\text{ °C}$   
– at 145,000h: L70 B50

### Light technique

Floodlight with narrow beam rotationally symmetrical light distribution with integrated louvre for stray light suppression.  
Half beam angle 8°  
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](http://www.bega.com).

### Inrush current

Inrush current: 12 A / 24.2 μs  
Maximum number of luminaires of this type per miniature circuit breaker:

B 10 A: 50 luminaires  
B 16 A: 50 luminaires  
C 10 A: 50 luminaires  
C 16 A: 50 luminaires

### Article No. 84 208

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

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