

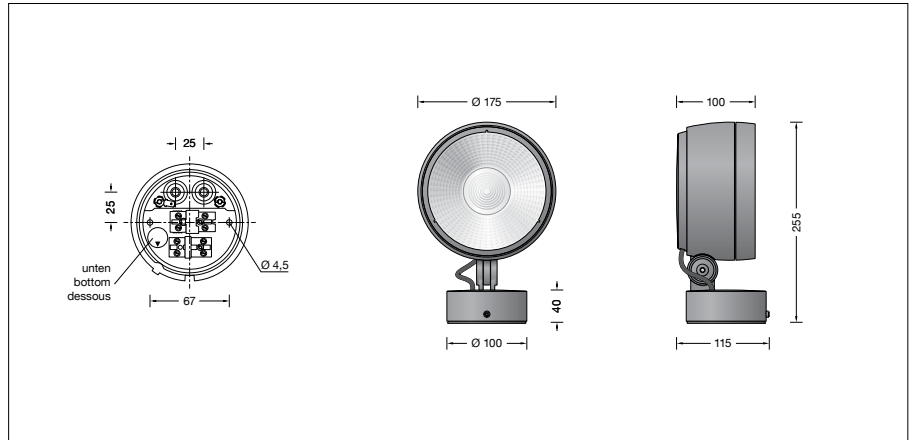
BEGA**84 505**

Performance floodlight



Project · Reference number

Date





Product data sheet

Application

LED floodlight with mounting box in compact design.

Product description

Luminaire made of aluminium alloy, aluminium and stainless steel
 Clear safety glass
 Optical silicone lens
 Reflector surface made of pure aluminium
 Rotation range of floodlight 350°
 Swivel range -30°/+90°
 Mounting box with 2 fixing holes
 \varnothing 4.5 mm · 67 mm spacing
 2 cable entries for through-wiring of mains supply cable \varnothing 7-10.5 mm, max. 5 G 1.5[□]
 Connecting terminal 2.5[□]
 with plug connection
 Earth conductor connection
 LED power supply unit
 220-240 V \sim 0/50-60 Hz
 DC 176-264 V
 During DC operation the LED power is reduced to 50 %
 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 IK09
 Protection against mechanical impacts < 10 joule
 – Safety mark
 – Conformity mark
 Wind catching area: 0.03 m²
 Weight: 2.4 kg

Lamp

| | |
|-----------------------------|----------------------------------|
| Module connected wattage | 37.5 W |
| Luminaire connected wattage | 42 W |
| Rated temperature | $t_a = 25\text{ °C}$ |
| Ambient temperature | $t_{a\text{max}} = 30\text{ °C}$ |

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

84 505 K4

| | |
|-------------------------------|--------------|
| Module designation | LED-0780/940 |
| Colour temperature | 4000 K |
| Colour rendering index | CRI > 90 |
| Module luminous flux | 5060 lm |
| Luminaire luminous flux | 3849 lm |
| Luminaire luminous efficiency | 91,6 lm/W |

84 505 K3

| | |
|-------------------------------|--------------|
| Module designation | LED-0780/930 |
| Colour temperature | 3000 K |
| Colour rendering index | CRI > 90 |
| Module luminous flux | 4910 lm |
| Luminaire luminous flux | 3735 lm |
| Luminaire luminous efficiency | 88,9 lm/W |

Service life of the LED

Ambient temperature $t_a = 25\text{ °C}$
 – at 240,000 h: L70 B50

max. ambient temperature $t_a = 30\text{ °C}$
 – at 220,000 h: L70 B50

Inrush current

Inrush current: 5 A / 100 μ s
 Maximum number of luminaires of this type per miniature circuit breaker:
 B 10A: 27 luminaires
 B 16A: 44 luminaires
 C 10A: 27 luminaires
 C 16A: 44 luminaires

Light technique

Symmetrical narrow beam light distribution.
 Half beam angle 21°
 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. 84 505

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

71 111 Shield
71 112 Louvre
71 113 Exchangeable lens flat beam

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

Light distribution