

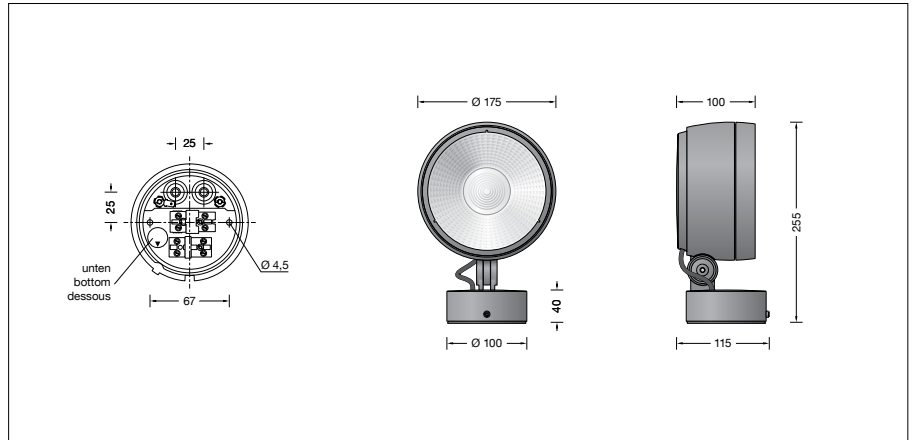
BEGA**84 505**

Performance floodlight



Project · Reference number

Date

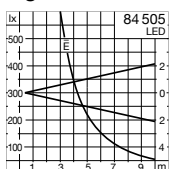


Product data sheet

Product description

Luminaire made of aluminium alloy, aluminium and stainless steel
 BEGA Unidure® coating technology
 Clear safety glass
 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[□]
 Connecting terminal 2.5[□]
 with plug connection
 Earth conductor connection
 BEGA Ultimate Driver®
 LED power supply unit
 220-240 V ~ 0/50-60 Hz
 DC 176-264 V
 DALI-controllable
 Basic insulation is provided between the mains
 and control cables
 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 IK09
 Protection against mechanical
 impacts < 10 joule
 – Safety mark
 – Conformity mark
 Wind catching area: 0.03 m²
 Weight: 2.4 kg

Light distribution



Application

Performance floodlight with mounting box in
 compact design.
 For a variety of interior and exterior lighting
 applications.

Lamp

Module connected wattage	36.8 W
Luminaire connected wattage	40 W
Rated temperature	$t_a = 25\text{ °C}$
Ambient temperature	$t_{a\text{max}} = 35\text{ °C}$

84 505 K4

Module designation	LED-0780/940
Colour temperature	4000 K
Colour rendering index	CRI > 90
Module luminous flux	5220 lm
Luminaire luminous flux	3884 lm
Luminaire luminous efficiency	97,1 lm/W

84 505 K3

Module designation	LED-0780/930
Colour temperature	3000 K
Colour rendering index	CRI > 90
Module luminous flux	5145 lm
Luminaire luminous flux	3828 lm
Luminaire luminous efficiency	95,7 lm/W

Service life · Ambient temperature

Rated temperature $t_a = 25\text{ °C}$	
LED psu:	> 50,000h
LED module:	140,000h (L80 B50)

Ambient temperature max. $t_a = 35\text{ °C}$ (100 %)	
LED psu:	50,000h
LED module:	110,000h (L80 B50)

Ambient temperature max. $t_a = 50\text{ °C}$ (80 %)	
LED psu:	50,000h
LED module:	> 50,000h (L70 B50)

BEGA Thermal Control® protects temperature-sensitive luminaire components by temporarily limiting the nominal power at high temperatures.

Inrush current

Inrush current: 5 A / 100 μ s
 Maximum number of luminaires of this
 type per miniature circuit breaker:

B 10A:	35 luminaires
B 16A:	56 luminaires
C 10A:	35 luminaires
C 16A:	56 luminaires

Lighting technology

Symmetrical narrow beam light distribution.
 Half beam angle 24°

The symmetrical light cone can be modified to resemble flat beam light distribution for special lighting applications by replacing the cover glass. 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.

BEGA Hybrid Optics®

BEGA Hybrid Optics® offers complete lighting control thanks to optimum refraction and reflection. Precisely calculated reflectors with a surface made of pure aluminium and lenses made of ultra-clear silicone or glass capture nearly every beam of light from the LED modules. The interplay between lens and reflector technologies achieves maximum application efficiency.

Article No. 84 505

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

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

It is not possible to use a combination of louvre and diffuser disk.

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