

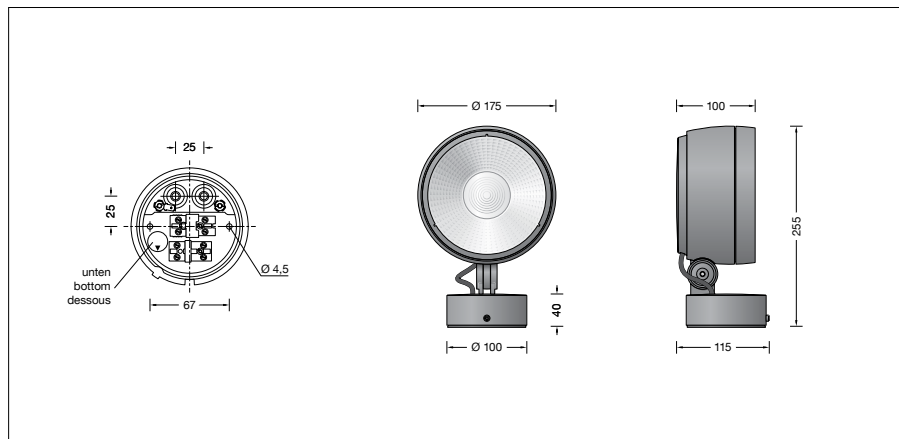
BEGA**84 505**

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

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: > 50,000 h
 LED module: 140,000 h (L 80 B 50)

Ambient temperature max. $t_a = 35\text{ °C}$ (100 %)
 LED psu: 50,000 h
 LED module: 110,000 h (L 80 B 50)

Ambient temperature max. $t_a = 50\text{ °C}$ (80 %)
 LED psu: 50,000 h
 LED module: > 50,000 h (L 70 B 50)

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

Inrush current

Inrush current: 5 A / 100 µs
 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 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

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.

Light distribution

