BEGA

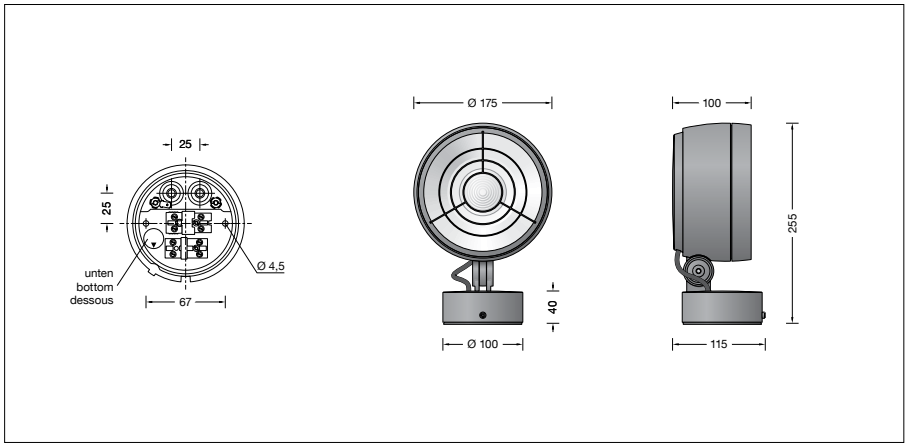
84 504

Performance floodlight

IP 65

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
Silicone gasket
Optical silicone lens · BEGA Hybrid Optics®
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□
Connecting terminal 2.5□
with plug connection
Earth conductor connection
LED power supply unit
220-240 V ∿ 0/50-60 Hz
DC 176-264 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 IK09
Protection against mechanical impacts < 10 joule
– Safety mark
CE – Conformity mark
Wind catching area: 0.03 m²
Weight: 2.4 kg

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

Lamp

Module connected wattage	38.1 W
Luminaire connected wattage	41.2 W
Rated temperature	t_a = 25 °C
Ambient temperature	$t_{a\,max}$ = 35 °C

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Module designation	LED-0779/940
Colour temperature	4000 K
Colour rendering index	CRI > 90
Module luminous flux	4760 lm
Luminaire luminous flux	2044 lm
Luminaire luminous efficiency	49,6 lm/W

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Module designation	LED-0779/930
Colour temperature	3000 K
Colour rendering index	CRI > 90
Module luminous flux	4565 lm
Luminaire luminous flux	1960 lm
Luminaire luminous efficiency	47,6 lm/W

Light technique
Floodlight with narrow beam rotationally symmetrical light distribution with integrated louvre for stray light suppression.
Half beam angle 10°
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.

Inrush current
Inrush current: 5 A / 100 µs
Maximum number of luminaires of this type per miniature circuit breaker:
B 10 A: 35 luminaires
B 16 A: 56 luminaires
C 10 A: 35 luminaires
C 16 A: 56 luminaires

Service life · Ambient temperature
Rated temperature t_a = 25 °C
LED psu: > 50,000 h
LED module: 80,000 h (L 80 B 50)
100,000 h (L 70 B 50)

Ambient temperature $t_{a\,max}$ = 35 °C (100 %)
LED psu: 50,000 h
LED module: 55,000 h (L 80 B 50)
100,000 h (L 70 B 50)

Ambient temperature $t_{a\,max}$ = 50 °C (77 %)
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.

Article No. 84 504
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
71 113 Exchangeable lens flat beam

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

Light distribution