BEGA

84 442

Performance floodlight

IP 65

Project · Reference number

Date

Product data sheet

Application
Performance floodlight with mounting box in compact design.

Product description
Luminaire made of aluminium alloy, aluminium and stainless steel
BEGA Unidure® coating technology
Safety glass with optical structure
Reflector surface made of pure aluminium
BEGA Vortex Optics®
Rotation range of floodlight 350°
Swivel range -90°/+90°
Mounting box with 2 fixing holes
ø 4.8 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
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 IK07
Protection against mechanical impacts < 2 joule
– Safety mark
CE – Conformity mark
Wind catching area: 0.06 m²
Weight: 3.2 kg

Lamp

Module connected wattage	38.4 W
Luminaire connected wattage	42.5 W
Rated temperature	t_a = 25 °C
Ambient temperature	$t_{a\,max}$ = 45 °C

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Module designation	LED-1020/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	6635 lm
Luminaire luminous flux	4361 lm
Luminaire luminous efficiency	102,6 lm / W

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Module designation	LED-1020/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	7005 lm
Luminaire luminous flux	4604 lm
Luminaire luminous efficiency	108,3 lm / W

Service life · Ambient temperature
Rated temperature t_a = 25 °C
LED psu: > 50,000 h
LED module: > 200,000 h (L 80 B 50)

Ambient temperature $t_{a\,max}$ = 45 °C (100 %)
LED psu: 50,000 h
LED module: 190,000 h (L 80 B 50)

Ambient temperature $t_{a\,max}$ = 50 °C (84 %)
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 10 A:	35 luminaires
B 16 A:	56 luminaires
C 10 A:	35 luminaires
C 16 A:	56 luminaires

Light technique
Broad spread light distribution.
Half beam angle 44°
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 Vortex Optics®
BEGA Vortex Optics® features newly developed twisted reflectors with a surface made of pure aluminium.
The more intense concentration of the light enables perfect light deflection.
This makes it possible to achieve optimal light distribution without artefacts.
Thanks to excellent glare control, BEGA Vortex Optics® offers outstanding visual comfort.
The interaction with the LED modules produces extraordinary lighting results.

Article No. 84 442
LED colour temperature optionally 3000 K or 4000 K
3000 K – Article number + **K3**
4000 K – Article number + **K4**

Colour graphite or silver
graphite – article number
silver – article number + **A**

Light distribution