

BEGA**84 210**

Performance floodlight



Project · Reference number

Date

Product data sheet

Application

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

Product description

Luminaire made of aluminium alloy, aluminium and stainless steel
Clear safety glass
Silicone gasket
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
LED power supply unit
220-240 V ~ 0/50-60 Hz
DC 176-276 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 IK08
Protection against mechanical impacts < 5 joule
 – Safety mark
CE – Conformity mark
Wind catching area: 0.025 m²
Weight: 1.9 kg

Lamp

Module connected wattage	16.8 W
Luminaire connected wattage	19 W
Rated temperature	$t_a = 25\text{ °C}$
Ambient temperature	$t_{a\text{ max}} = 45\text{ °C}$

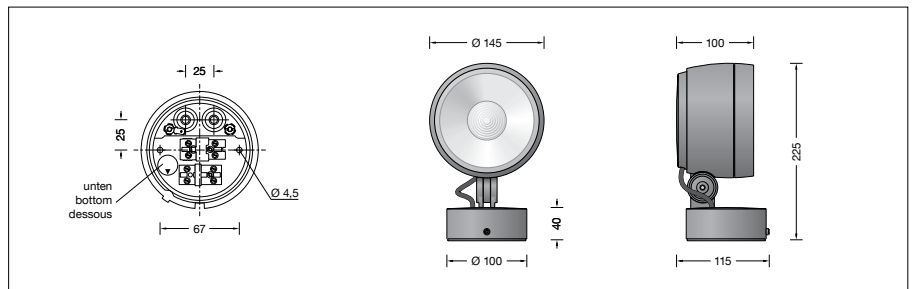
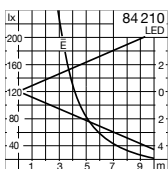
84 210 K4

Module designation	LED-0800/940
Colour temperature	4000 K
Colour rendering index	CRI > 90
Module luminous flux	2480 lm
Luminaire luminous flux	1942 lm
Luminaire luminous efficiency	102,2 lm/W

84 210 K3

Module designation	LED-0800/930
Colour temperature	3000 K
Colour rendering index	CRI > 90
Module flux	2440 lm
Luminaire luminous flux	1911 lm
Luminaire luminous efficiency	100,6 lm/W

Light distribution



Service life · Ambient temperature

Rated temperature $t_a = 25\text{ °C}$
LED psu: > 50,000h
LED module: 170,000h (L80B50)

Ambient temperature $t_{a\text{ max}} = 45\text{ °C}$ (100 %)
LED psu: 50,000h
LED module: 120,000h (L80B50)

Light technique

Symmetrical wide beam light distribution
Half beam angle 46°
By changing the diffuser lens 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: 12 A / 24.2 μs
Maximum number of luminaires of this type per miniature circuit breaker:

B 10 A: 50 luminaires
B 16 A: 50 luminaires
C 10 A: 50 luminaires
C 16 A: 50 luminaires

Article No. 84 210

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

71 118 Shield
71 120 Exchangeable lens flat beam

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