

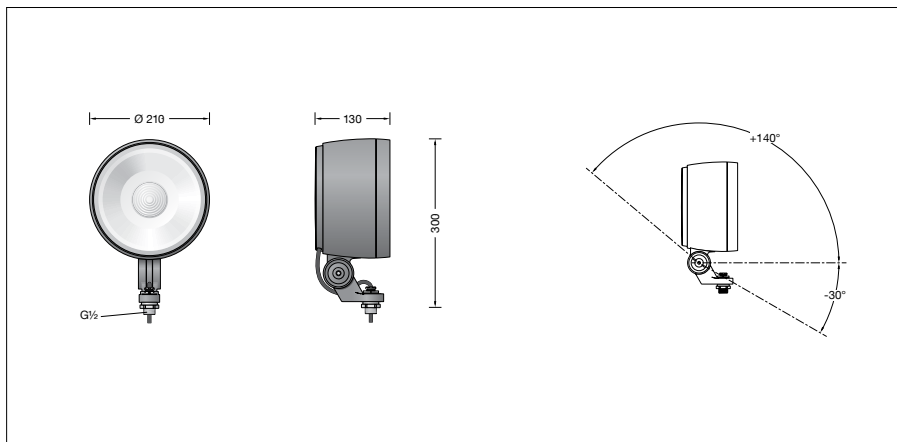
BEGA**84 226**

Floodlight



Project · Reference number

Date



Product data sheet

Application

Performance floodlight with G $\frac{1}{2}$ mounting bush. The floodlight can be bolted together with any female thread G $\frac{1}{2}$ according to ISO 228 supplied by others or to BEGA accessories. For a variety of interior and exterior lighting applications.

Lamp

Module connected wattage	60.3 W
Luminaire connected wattage	66 W
Rated temperature	$t_a = 25^\circ\text{C}$
Ambient temperature	$t_{a\text{ max}} = 40^\circ\text{C}$

84 226 K4

Module designation	LED-0442/940
Colour temperature	4000 K
Colour rendering index	CRI > 90
Module luminous flux	9255 lm
Luminaire luminous flux	7038 lm
Luminaire luminous efficiency	106,6 lm/W

84 226 K3

Module designation	LED-0442/930
Colour temperature	3000 K
Colour rendering index	CRI > 90
Module luminous flux	9115 lm
Luminaire luminous flux	6931 lm
Luminaire luminous efficiency	105 lm/W

Service life · Ambient temperature

Rated temperature $t_a = 25^\circ\text{C}$	
LED psu:	> 50,000 h
LED module:	170,000 h (L80 B50)

Ambient temperature max. $t_a = 40^\circ\text{C}$ (100 %)

LED psu:	50,000 h
LED module:	125,000 h (L80 B50)

Ratio of luminous flux

Luminous flux upper half-space	0 %
Luminous flux lower half-space	100 %

BUG rating according to IES TM-15-07:

3-0-0

CEN Flux Code according to EN 13032-2:

85-98-100-100-100

Product description

Luminaire made of aluminium alloy, aluminium and stainless steel
 BEGA Unidure® coating technology
 Colour graphite or silver
 Clear safety glass · Silicone gasket
 Reflector surface made of pure aluminium
 Optical silicone lens · BEGA Hybrid Optics®
 Rotation range of floodlight 350°
 Swivel range -30°/+140°
 Mounting bracket with G $\frac{1}{2}$ threaded connection
 Thread length: 14 mm
 Connecting cable X05BQ-F 5 G 1 mm²
 Cable length 1 m
 LED power supply unit
 220-240 V \sim 0/50-60 Hz
 DC 176-280 V
 During DC operation the LED power is reduced to 15 %
 DALI-controllable
 Number of DALI addresses: 1
 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 IK08
 Protection against mechanical impacts < 5 joule
 – Safety mark
 – Conformity mark
 Wind catching area: 0.035 m²
 Weight: 4.4 kg
 This product contains light sources of energy efficiency class(es) D

Inrush current

Inrush current: 50 A / 209 μs
 Maximum number of luminaires of this type per miniature circuit breaker:
 B 10A: 6 luminaires
 B 16A: 10 luminaires
 C 10A: 10 luminaires
 C 16A: 16 luminaires

Lighting technology

Symmetrical narrow beam light distribution
 Half beam angle 25°

For special lighting applications, the symmetrical light cone can be changed to a flat beam using an additional diffuser lens.

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 optimized refraction and reflection. Precisely calculated reflectors with a pure aluminium surface and lenses, for example made of ultra-clear silicone or glass, capture almost every single light beam emitted by the LED modules. Maximum light efficiency is achieved via the synergy between lens and reflector technology.

Accessories

71 121	Shield
71 122	Louvre
71 123	Exchangeable lens flat beam
70 214	Pole cap for pole \varnothing 48 mm
70 248	Pole cap for pole \varnothing 60 mm
70 245	Mounting box
70 252	General fastener
70 280	Tube clamp G $\frac{1}{2}$
70 283	Screw clamp
70 379	Cross beam G $\frac{1}{2}$
70 889	Tension belt

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.

Article No. 84 226

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**

Light distribution