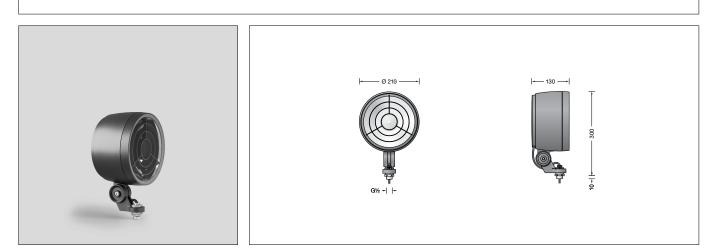# BEGA

84 225

Floodlight

IP 65

Project · Reference number	Date

Product data sheet

Application
LED performance floodlight with G½ mounting bush in compact design.
The floodlight can be bolted together with any female thread G½ according to ISO 228 supplied by others or to BEGA accessories.

Product description
Luminaire made of aluminium alloy, aluminium and stainless steel
Clear safety glass · Silicone gasket
Reflector surface made of pure aluminium
Optical silicone lens
Inside louvre
made of glass-fibre reinforced polyamide
Rotation range of floodlight 350°
Swivel range -30°/+140°
Mounting bracket with G½ threaded connection
Thread length: 10 mm
Connecting cable X05BQ-F 5 G 1 □
Cable length 1 m
LED power supply unit
220-240 V ∿ 0/50-60 Hz
DC 176-280 V
During DC operation the LED power
is reduced to 15 %
DALI controllable
A basic isolation exists between power cable and control line
Safety class I
Protection class IP 65
Dust-tight and protection against water jets
Impact strength IK08
Protection against mechanical
impacts < 5 joule
$C\epsilon$ – Conformity mark
Wind catching area: 0.035 m²
Weight: 4.5 kg

Lamp
Module connected wattage	61.7 W
Luminaire connected wattage	68 W
Rated temperature	$t_a = 25$ °C
Ambient temperature	$t_{a\,max} = 25$ °C

On request we can offer you modifications for enviroments with higher temperatures as a customized product.

84 225 K4
Module designation	LED-0877/940
Colour temperature	4000 K
Colour rendering index	CRI > 90
Module luminous flux	8645 lm
Luminaire luminous flux	4182 lm
Luminaire luminous efficiency	61,5 lm/W

84 225 K3
Module designation	LED-0877/930
Colour temperature	3000 K
Colour rendering index	CRI > 90
Module luminous flux	8520 lm
Luminaire luminous flux	4122 lm
Luminaire luminous efficiency	60,6 lm/W

Service life · Ambient temperature
Ambient temperature $t_a = 25$ °C
LED psu:	> 50,000 h
LED module:	100,000 h (L80 B50)
	100,000 h (L80 B50)

Ambient temperature $t_a = 25$ °C
LED psu:	50,000 h
LED module:	100,000 h (L80 B50)
	100,000 h (L80 B50)

BEGA Thermal control® protects temperature-sensitive luminaire components by temporarily limiting the nominal power to 70 % when max. $t_a = 50$ °C. Thus, these components reach a service life of minimum 50,000 h even if operated in a high temperature range.

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

Light technique
Floodlight with narrow beam rotationally symmetrical light distribution with integrated louvre for stray light suppression.
Half beam angle 12°
For special lighting tasks the symmectrical light cone can be changed to a flat beam light distribution by an additional the 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.

Article No. 84 225
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
71 121	Shield
71 123	Exchangeable lens flat beam
70 214	Pole cap for pole ø 48 mm
70 248	Pole cap for pole ø 60 mm
70 245	Mounting box
70 252	Tree screw
70 280	Tube clamp G½
70 283	Screw clamp
70 379	Outrigger arm G½
70 889	Tension belt

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

Light distribution