

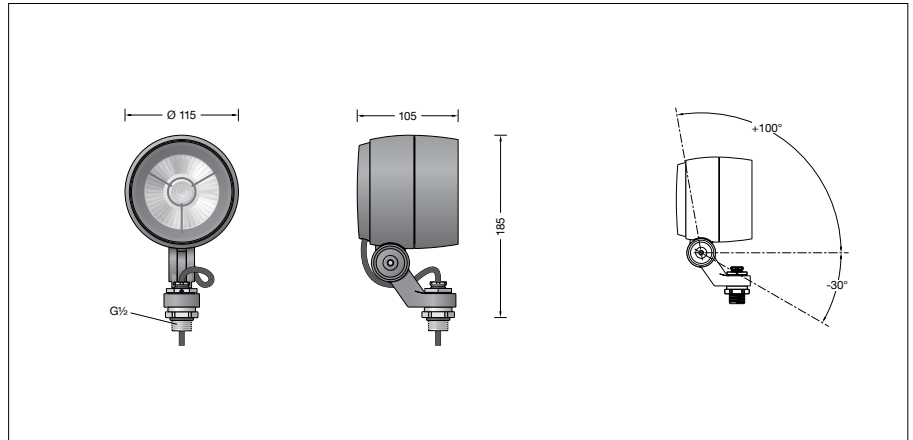
BEGA**85 149**

Performance floodlight



Project · Reference number

Date



Product data sheet

Product description

Luminaire made of aluminium alloy,
aluminium and stainless steel
BEGA Unidure® coating technology
Colour graphite or silver
Matt safety glass
Silicone gasket
Reflector surface made of pure aluminium
BEGA Hybrid Optics®
Rotation range of floodlight 350°
Swivel range -30°/+100°
Mounting bracket with G½ threaded connection
Thread length: 14 mm
Connecting cable X05BQ-F 5 G 1 mm²
Cable length 1 m
BEGA Ultimate Driver®
Complies with flicker requirements in
accordance with IEEE 1789,
DIN IEC/TR 63158, DIN IEC/TR 61547-1
LED power supply unit
220-240 V ~ 0/50-60 Hz
DC 176-280 V
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 IK07
Protection against mechanical
impacts < 2 joule
 – Safety mark
 – Conformity mark
 Wind catching area: 0.017 m²
 Weight: 1.3 kg
 This product contains light sources of energy
 efficiency class(es) E, F

Application

Performance floodlight with G½ mounting bush.
The floodlight can be bolted together with
any female thread G½ according to ISO 228
supplied by others or to BEGA accessories.
For a variety of interior and exterior lighting
applications.

Lamp

Module connected wattage	10.8 W
Luminaire connected wattage	12.3 W
Rated temperature	$t_a = 25\text{ °C}$
Ambient temperature	$t_{a\text{ max}} = 45\text{ °C}$

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

85 149 K3

Module designation	LED-1147/930
Colour temperature	3000 K
Colour rendering index	CRI > 90
Module luminous flux	1270 lm
Luminaire luminous flux	601 lm
Luminaire luminous efficiency	48,9 lm/W

85 149 K4

Module designation	LED-1147/940
Colour temperature	4000 K
Colour rendering index	CRI > 90
Module luminous flux	1345 lm
Luminaire luminous flux	636 lm
Luminaire luminous efficiency	51,7 lm/W

Service life · Ambient temperature

Rated temperature $t_a = 25\text{ °C}$	
LED psu:	> 50,000 h
LED module:	> 200,000 h (L 80 B 50)

Ambient temperature max. $t_a = 45\text{ °C}$ (100 %)

LED psu:	50,000 h
LED module:	125,000 h (L 80 B 50)

Lighting technology

Focused light distribution with minimal diffuse
light percentage.
Half beam angle 8°
For special lighting applications, an optical filter
can be used to change the symmetrical light
cone 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: 3.6 A / 29 µs
Maximum number of luminaires of this
type per miniature circuit breaker:
B 10A: 851 luminaires
B 16A: 1380 luminaires
C 10A: 851 luminaires
C 16A: 1380 luminaires

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.

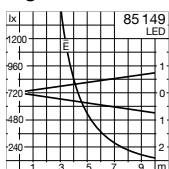
Accessories

71 289 Optical filter flat beam
71 331 Shield
71 336 Cylindrical shield

70 214 Pole cap for pole ø 48 mm
70 248 Pole cap for pole ø 60 mm
70 245 Mounting box
70 252 General fastener
70 280 Tube clamp G½
70 283 Screw clamp
70 379 Cross beam G½
70 889 Tension belt

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

Light distribution



Article No. 85 149

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**