

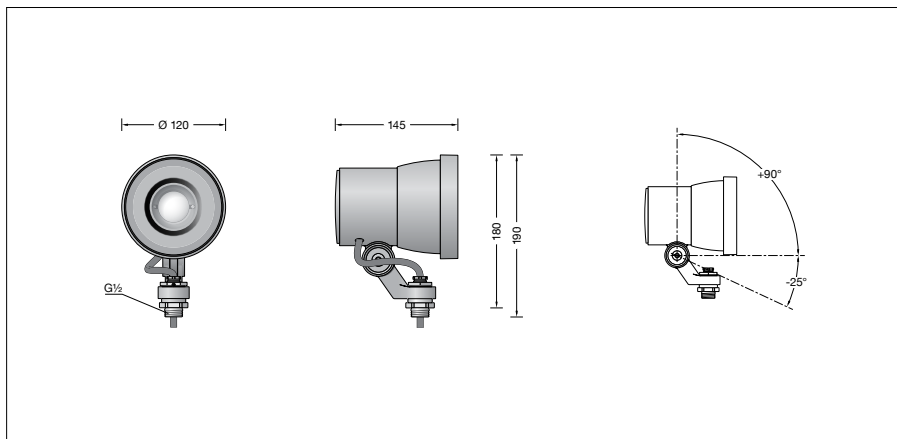
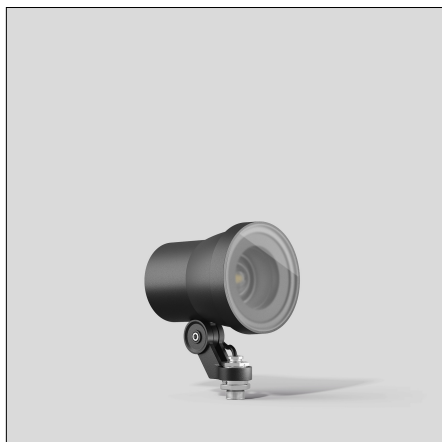
BEGA**84 116**

Compact 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
Optical lens made of silicate glass
Rotation range of floodlight 350°
Swivel range -25°/+90°
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
CE – Safety mark
CE – Conformity mark
Weight: 1.4 kg
This product contains light sources of energy
efficiency class(es) E, F

Application

Compact floodlight with focusable zoom optics.
Half beam angle adjustable between 14° and
52° by turning the optical lens unit.
The floodlight can be screwed on by the
customer with any G½ female thread in
accordance with ISO 228 or with BEGA
accessories.

Lamp

Module connected wattage	10.8 W
Luminaire connected wattage	12.5 W
Rated temperature	$t_a = 25^\circ\text{C}$
Ambient temperature	$t_{a, \max} = 35^\circ\text{C}$

84 116 K3

Module designation	LED-1661/930
Colour temperature	3000 K
Colour rendering index	CRI > 90
Module luminous flux	1270 lm
Luminaire luminous flux	797 lm
Luminaire luminous efficiency	63,8 lm/W

84 116 K4

Module designation	LED-1661/940
Colour temperature	4000 K
Colour rendering index	CRI > 90
Module luminous flux	1345 lm
Luminaire luminous flux	844 lm
Luminaire luminous efficiency	67,5 lm/W

Service life · Ambient temperature

Rated temperature $t_a = 25^\circ\text{C}$	
LED psu:	> 50,000 h
LED module:	> 200,000 h (L80 B50)

Ambient temperature max. $t_a = 35^\circ\text{C}$ (100 %)

LED psu:	50,000 h
LED module:	170,000 h (L80 B50)

Ambient temperature max. $t_a = 50^\circ\text{C}$ (78 %)

LED psu:	> 50,000 h
LED module:	> 50,000 h (L70 B50)

BEGA Thermal Control® protects temperature-
sensitive luminaire components by
temporarily limiting the nominal power at high
temperatures.

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

Accessories

71 279	Shield
71 284	Cylindrical shield
71 289	Optical filter flat beam
71 042	Adapter for installation on a pole
70 204	Earth spike
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 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.

Article No. 84 116

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