

BEGA**84 117**

Compact floodlight



Project · Reference number

Date

Product data sheet

Application

Compact floodlight with focusable zoom optics.
Half beam angle adjustable between 15° 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.

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 -15°/+130°
Mounting bracket with G½ threaded connection
Thread length: 11 mm
Connecting cable X05BQ-F 5 G 1 mm²
Cable length 1 m
BEGA Ultimate Driver®
LED power supply unit
220-240 V ~ 0/50-60 Hz
DC 176-264 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 IK08
Protection against mechanical
impacts < 5 joule
☞ 10 – Safety mark
CE – Conformity mark
Weight: 2.0 kg
This product contains light sources of energy
efficiency class(es) F

Lamp

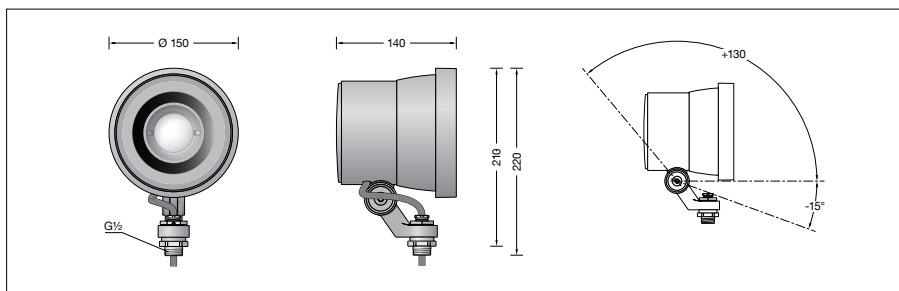
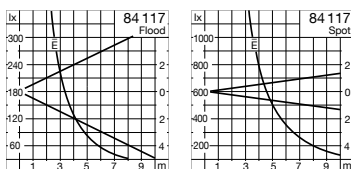
Module connected wattage	25.7 W
Luminaire connected wattage	28.5 W
Rated temperature	t _a = 25 °C
Ambient temperature	t _{a max} = 40 °C

84 117 K3

Module designation	LED-1145/930
Colour temperature	3000 K
Colour rendering index	CRI > 90
Module luminous flux	3140 lm
Luminaire luminous flux	2087 lm
Luminaire luminous efficiency	73,2 lm/W

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Module designation	LED-1145/940
Colour temperature	4000 K
Colour rendering index	CRI > 90
Module luminous flux	3300 lm
Luminaire luminous flux	2193 lm
Luminaire luminous efficiency	76,9 lm/W

Light distribution**Service life · Ambient temperature**

Rated temperature t_a = 25 °C
LED psu: > 50,000 h
LED module: 150,000 h (L 80 B 50)

Ambient temperature max. t_a = 40 °C (100 %)
LED psu: 50,000 h
LED module: 100,000 h (L 80 B 50)

Ambient temperature max. t_a = 50 °C (83 %)
LED psu: > 50,000 h
LED module: > 50,000 h (L 70 B 50)

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

Inrush current

Inrush current: 5 A / 100 µs
Maximum number of luminaires of this type per miniature circuit breaker:
B 10 A: 56 luminaires
B 16 A: 90 luminaires
C 10 A: 56 luminaires
C 16 A: 90 luminaires

Accessories

71 280	Shield
71 285	Cylindrical shield
71 290	Optical filter flat beam
71 042	Adapter for installation on a pole
70 204	Earth spike
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.

Article No. 84 117

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**