

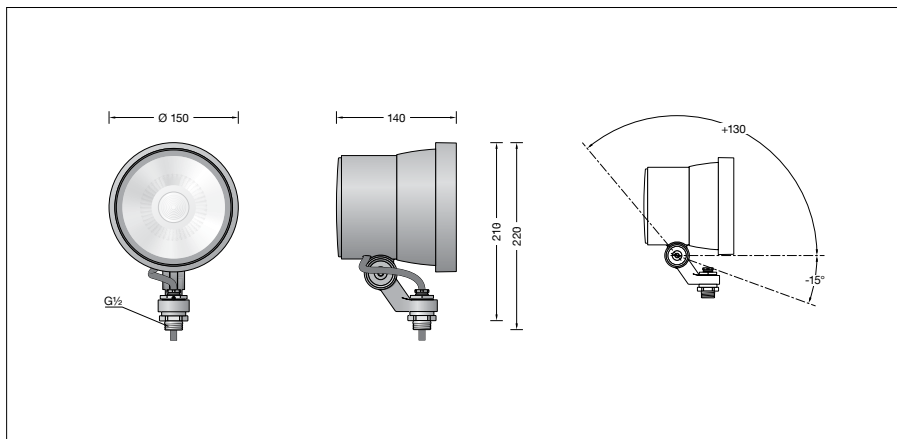
BEGA**84 936**

Compact floodlight



Project · Reference number

Date



Product data sheet

Product description

Luminaire made of aluminium alloy,
aluminium and stainless steel
BEGA Unidure® coating technology
BEGA Hybrid Optics®
Clear safety glass
Reflector surface made of pure aluminium
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 IK07
Protection against mechanical
impacts < 2 joule
 – Safety mark
 – Conformity mark
 Weight: 1.8 kg
 This product contains light sources of energy
efficiency class(es) E

Application

Compact floodlights with G½ connecting thread.
The floodlight can be screwed on by the
customer with any G½ female thread according
to ISO 228 or with BEGA accessories.

Lamp

Module connected wattage	24.1 W
Luminaire connected wattage	26.8 W
Rated temperature	$t_a = 25\text{ °C}$
Ambient temperature	$t_{a\text{ max}} = 45\text{ °C}$

84 936 K3

Module designation	LED-0800/930
Colour temperature	3000 K
Colour rendering index	CRI > 90
Module luminous flux	3350 lm
Luminaire luminous flux	2472 lm
Luminaire luminous efficiency	92,2 lm/W

84 936 K4

Module designation	LED-0800/940
Colour temperature	4000 K
Colour rendering index	CRI > 90
Module luminous flux	3400 lm
Luminaire luminous flux	2509 lm
Luminaire luminous efficiency	93,6 lm/W

Service life · Ambient temperature

Rated temperature $t_a = 25\text{ °C}$	
LED psu:	> 50,000 h
LED module:	190,000 h (L 80 B 50)

Ambient temperature max. $t_a = 45\text{ °C}$ (100 %)	
LED psu:	50,000 h
LED module:	140,000 h (L 80 B 50)

Ambient temperature max. $t_a = 50\text{ °C}$ (89 %)	
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 10A: 56 luminaires
 B 16A: 90 luminaires
 C 10A: 56 luminaires
 C 16A: 90 luminaires

Light technique

Broad spread light distribution.
Half beam angle 45°

For special lighting applications, an optical filter
can be used to change the symmetrical light
cone into a flat beam light distribution.

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

71 280	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. 84 936

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