

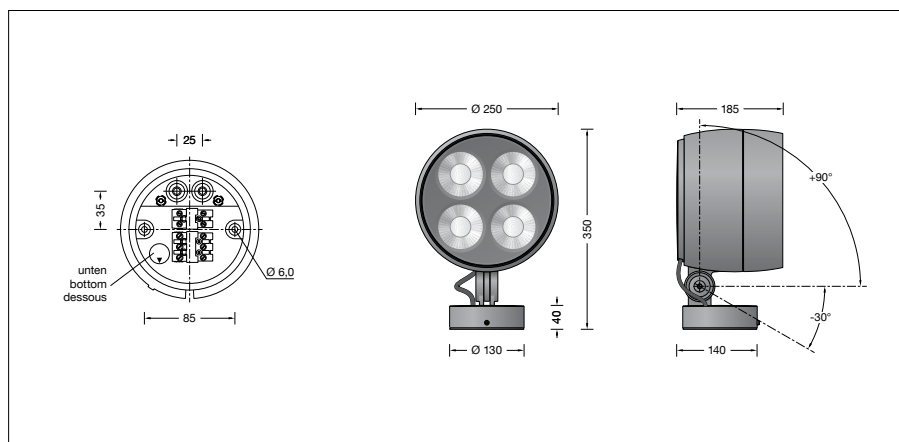
BEGA**85 134**

Performance floodlight



Project · Reference number

Date



Product data sheet

Application

Performance floodlight with mounting box.
For a variety of interior and exterior lighting applications.

Lamp

Module connected wattage	96.4 W
Luminaire connected wattage	108 W
Rated temperature	$t_a = 25^\circ\text{C}$
Ambient temperature	$t_{a\text{ max}} = 35^\circ\text{C}$

85 134 K3

Module designation	4x LED-0800/930
Colour temperature	3000 K
Colour rendering index	CRI > 90
Module luminous flux	13400 lm
Luminaire luminous flux	8859 lm
Luminaire luminous efficiency	82 lm/W

85 134 K4

Module designation	4x LED-0800/940
Colour temperature	4000 K
Colour rendering index	CRI > 90
Module luminous flux	13600 lm
Luminaire luminous flux	8991 lm
Luminaire luminous efficiency	83,2 lm/W

Service life · Ambient temperature

Rated temperature $t_a = 25^\circ\text{C}$	
LED psu:	> 50,000 h
LED module:	140,000 h (L 80 B 50)

Ambient temperature max. $t_a = 35^\circ\text{C}$ (100 %)	
LED psu:	50,000 h
LED module:	120,000 h (L 80 B 50)

Ambient temperature max. $t_a = 50^\circ\text{C}$ (80 %)	
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.

Product description

Luminaire made of aluminium alloy,
aluminium and stainless steel
BEGA Unidure® coating technology
Colour graphite or silver
Clear safety glass
Silicone gasket
Reflector surface made of pure aluminium
BEGA Hybrid Optics®
Rotation range of floodlight 350°
Swivel range -30°/+90°

Mounting box with 2 fixing holes
 $\varnothing 6\text{ mm} \cdot 85\text{ mm}$ spacing
2 cable entries for through-wiring of mains
supply cable $\varnothing 7\text{--}10.5\text{ mm}$, max. 5 G 1.5[□]
Connecting terminal 2.5[□]
with plug connection
Earth conductor connection
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 $\sim$ 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

– Safety mark

– Conformity mark

Wind catching area: 0.057 m²

Weight: 7.2 kg

This product contains light sources of energy
efficiency class(es) E

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.

Inrush current

Inrush current: 5 A / 100 μs
Maximum number of luminaires of this
type per miniature circuit breaker:
B 10A: 11 luminaires
B 16A: 17 luminaires
C 10A: 11 luminaires
C 16A: 17 luminaires

Light technique

Symmetrical wide beam light distribution
Half beam angle 26°
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.

Accessories

71 292 Optical filter flat beam
71 334 Shield
71 339 Cylindrical shield

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

Article No. 85 134

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

