

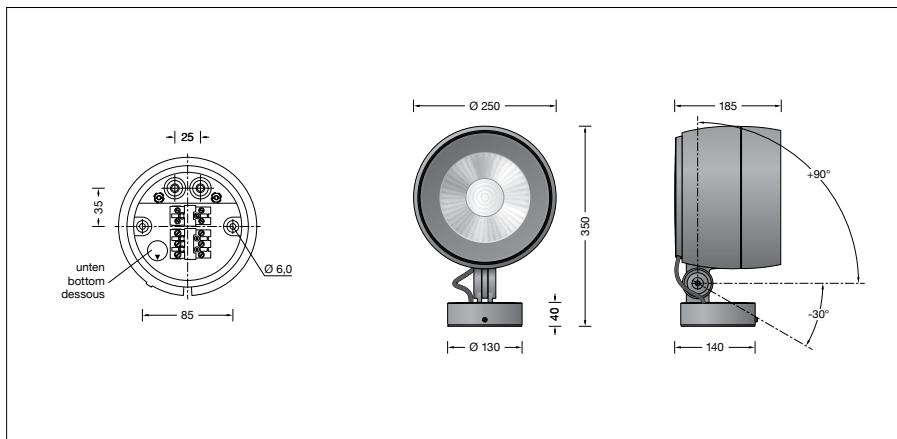
BEGA**85 135**

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	71.1 W
Luminaire connected wattage	76 W
Rated temperature	$t_a = 25\text{ °C}$
Ambient temperature	$t_{a\text{ max}} = 40\text{ °C}$

85 135 K3

Module designation	LED-0442/930
Colour temperature	3000 K
Colour rendering index	CRI > 90
Module luminous flux	10550 lm
Luminaire luminous flux	7837 lm
Luminaire luminous efficiency	103,1 lm/W

85 135 K4

Module designation	LED-0442/940
Colour temperature	4000 K
Colour rendering index	CRI > 90
Module luminous flux	10710 lm
Luminaire luminous flux	7956 lm
Luminaire luminous efficiency	104,7 lm/W

Service life · Ambient temperature

Rated temperature $t_a = 25\text{ °C}$	
LED psu:	> 50,000 h
LED module:	170,000 h (L80B50)

Ambient temperature max. $t_a = 40\text{ °C}$ (100 %)

LED psu:	50,000 h
LED module:	135,000 h (L80B50)

Ambient temperature max. $t_a = 50\text{ °C}$ (79 %)

LED psu:	> 50,000 h
LED module:	> 50,000 h (L70B50)

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
ø 6 mm · 85 mm spacing
2 cable entries for through-wiring of mains
supply cable ø 7-10.5 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 ~ 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
CE – Conformity mark
Wind catching area: 0.057 m²
Weight: 6.2 kg
This product contains light sources of energy
efficiency class(es) D

Light technique

Symmetrical wide beam light distribution
Half beam angle 27°
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.

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: 18 luminaires
B 16A: 28 luminaires
C 10A: 18 luminaires
C 16A: 28 luminaires

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. 85 135

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