

Product data sheet

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
Optical silicone lens · BEGA Hybrid Optics®
Rotation range of floodlight 350°
Swivel range -30°/+95°
Mounting bracket with G 1/2 threaded connection
Thread length: 14 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 IK09
Protection against mechanical
impacts < 10 joule
■ – Safety mark
C – Conformity mark
Wind catching area: 0.025 m²
Weight: 2.4 kg
This product contains light sources of energy
efficiency class(es) E

Application

Performance floodlight with G 1/2 mounting bush
in compact design.

The floodlight can be bolted together with
any female thread G 1/2 according to ISO 228
supplied by others or to BEGA accessories.
For a variety of interior and exterior lighting
applications.

Lamp

Module connected wattage	36.8 W
Luminaire connected wattage	40 W
Rated temperature	$t_a = 25^\circ\text{C}$
Ambient temperature	$t_{a\text{ max}} = 35^\circ\text{C}$

84 528 K4

Module designation	LED-0780/940
Colour temperature	4000 K
Colour rendering index	CRI > 90
Module luminous flux	5220 lm
Luminaire luminous flux	3913 lm
Luminaire luminous efficiency	97,8 lm/W

84 528 K3

Module designation	LED-0780/930
Colour temperature	3000 K
Colour rendering index	CRI > 90
Module luminous flux	5145 lm
Luminaire luminous flux	3857 lm
Luminaire luminous efficiency	96,4 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:	110,000 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.

Light technique

Symmetrical wide beam light distribution
Half beam angle 64°

For special lighting applications, the
symmetrical light cone can be changed to a flat
beam using an additional diffuser lens.
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.

Inrush current

Inrush current: 5 A / 100 µs
Maximum number of luminaires of this
type per miniature circuit breaker:

B 10 A:	28 luminaires
B 16 A:	45 luminaires
C 10 A:	28 luminaires
C 16 A:	48 luminaires

Ratio of luminous flux

Luminous flux upper half-space	0 %
Luminous flux lower half-space	100 %

BUG rating according to IES TM-15-07:

3 – 0 – 0

CEN Flux Code according to EN 13032-2:

73 – 93 – 100 – 100 – 100

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.

Article No. 84 528

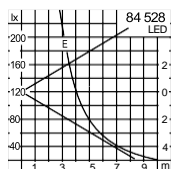
LED colour temperature optionally 4000 K
or 3000 K

4000 K – Article number + **K4**

3000 K – Article number + **K3**

Colour graphite or silver
graphite – article number
silver – article number + **A**

Light distribution



Accessories**71 111** Shield**71 113** Exchangeable lens flat beam**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**71 042** Adapter for installation on a pole

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