

BEGA**50 926.5**

Ceiling luminaire · downlight for indoor use

Project · Reference number

Date

Product data sheet**Application**

Ceiling luminaire downlight · indoor luminaire with symmetrical wide beam light distribution. BEGA Hybrid Optics® : Highly efficient and low-loss light distribution, thanks to reflector and optical lens.

Product description

Ceiling luminaire downlight »GENIUS«
Die-cast aluminium housing,
Colour velvet black finish
Trim ring · Chrome finish
Clear safety glass
Optical silicone lens · BEGA Hybrid Optics®
Reflector surface made of pure aluminium
2 mounting holes \varnothing 4.5 mm
Distance apart 66 mm
Connecting terminals 2.5²
Earth conductor connection
BEGA Ultimate Driver®
LED power supply unit
220-240 V \sim 0/50-60 Hz
DC 176-264 V
BEGA Thermal Switch®
Temporary thermal shutdown to protect temperature-sensitive components
Safety class I
Impact strength IK08
Protection against mechanical impacts < 5 joule
CE – Conformity mark
Weight: 0.55 kg
This product contains light sources of energy efficiency class(es) E

Inrush current

Inrush current: 11.3 A / 112 μ s
Maximum number of luminaires of this type per miniature circuit breaker:
B 10A: 34 luminaires
B 16A: 55 luminaires
C 10A: 57 luminaires
C 16A: 92 luminaires

Light technique

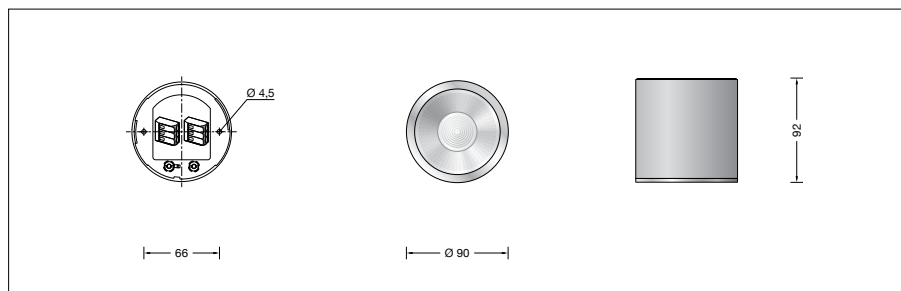
Symmetrical wide beam light distribution
Half beam angle 27°
Luminaire data for the light planning program DIALux for outdoor lighting, street lighting and indoor lighting, as well as luminaire data in EULUMDAT and IES format are available on the BEGA website at www.bega.com.

Lamp

Module connected wattage	8 W
Luminaire connected wattage	9.1 W
Rated temperature	$t_a = 25$ °C
Ambient temperature	$t_{a \max} = 45$ °C

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Module designation	LED-1030/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	1165 lm
Luminaire luminous flux	924 lm
Luminaire luminous efficiency	101,5 lm/W

**Service life · Ambient temperature**

Rated temperature $t_a = 25$ °C
LED psu: > 50,000 h
LED module: > 200,000 h (L 80 B 50)
50,000 h (L 90 B 50)

Ambient temperature max. $t_a = 45$ °C (100 %)
LED psu: 50,000 h
LED module: 170,000 h (L 80 B 50)

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.

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Optional finishes

- Velvet white
- Velvet black

Code number **.1**
Code number **.5**