

BEGA**50 851.5**

Ceiling luminaire · downlight for indoor use



Project · Reference number

Date

Product data sheet

Application

Ceiling luminaire downlight · indoor luminaire with asymmetrical broad spread light distribution.
 BEGA Hybrid Optics® : Highly efficient and low-loss light distribution, thanks to reflector and optical lens.
 Luminaire infinitely rotatable 360° around the vertical luminaire axis. The radiation angle is 130°.

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 36 mm
 Connecting terminals 2.5[□]
 Earth conductor connection
 2-pole connection terminals for digital control
 LED power supply unit
 220-240 V \sim 0/50-60 Hz
 DC 176-276 V
 DALI-controllable
 Number of DALI addresses: 1
 Basic insulation is provided between the mains and control cables
 Safety class I
 – Safety mark
 – Conformity mark
 Weight: 0.9 kg
 This product contains light sources of energy efficiency class(es) E

Inrush current

Inrush current: 4.2 A / 30 μ s
 Maximum number of luminaires of this type per miniature circuit breaker:
 B 10A: 50 luminaires
 B 16A: 50 luminaires
 C 10A: 50 luminaires
 C 16A: 50 luminaires

Lamp

Module connected wattage 8.5 W
 Luminaire connected wattage 10 W
 Rated temperature $t_a = 25$ °C
 Ambient temperature $t_{a \max} = 50$ °C

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Module designation LED-0581/930
 Colour temperature 3000 K
 Colour rendering index CRI > 90
 Module luminous flux 1200 lm
 Luminaire luminous flux 978 lm
 Luminaire luminous efficiency 97,8 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. $t_a = 50$ °C (100 %)
 LED psu: 50,000 h
 LED module: 155,000 h (L 80 B 50)

Light technique

Asymmetrical broad spread light distribution
 Half beam angle 54°
 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.

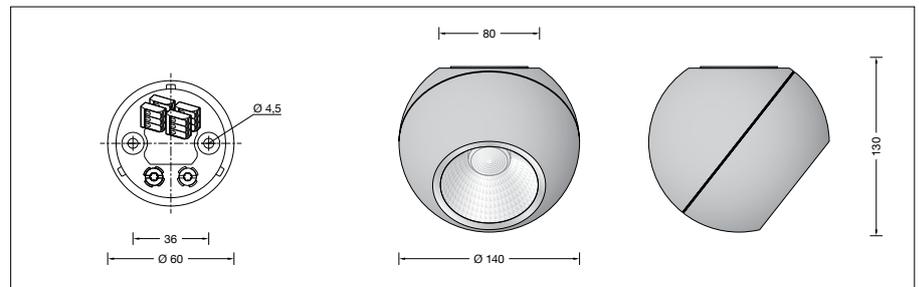
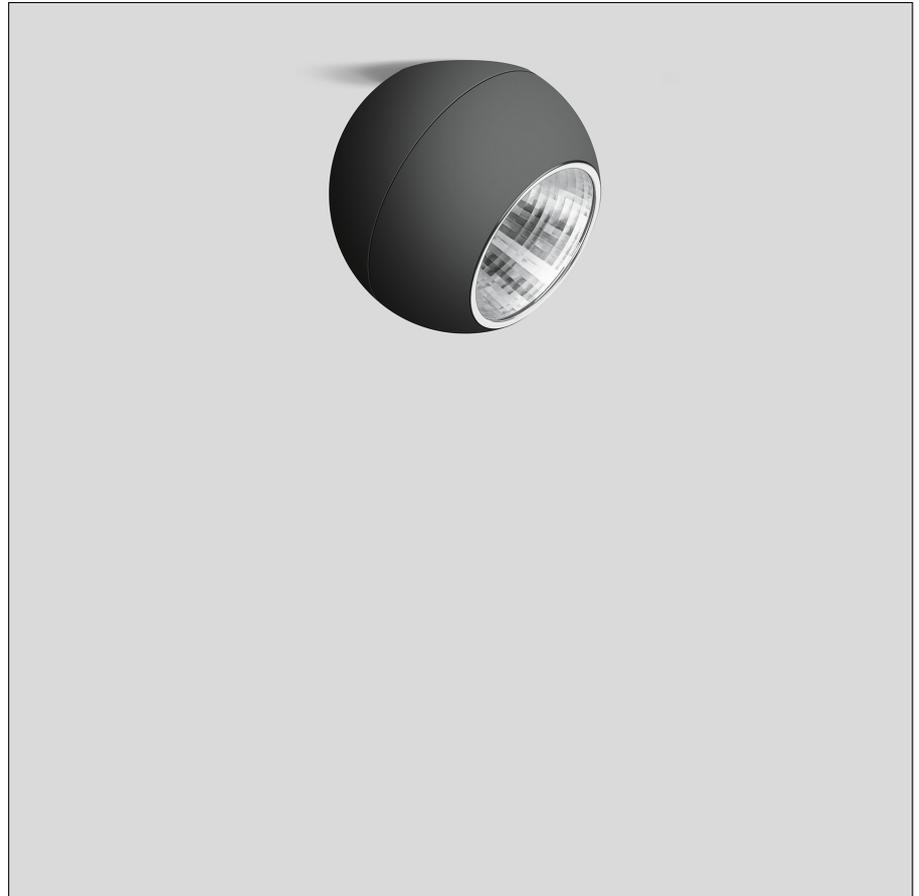
BEGA Hybrid Optics®

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.

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Optional finishes
 • Velvet white
 • Velvet black

Code number .1
 Code number .5



Light distribution

