

BEGA**50 901.1**

Recessed ceiling downlight for indoor use



Project · Reference number

Date

Product data sheet

Application

Recessed ceiling luminaire · indoor luminaire with symmetrical narrow beam light distribution for connection to external LED power supply unit. For installation into suspended ceilings with a shallow depth in interior areas.
 BEGA Hybrid Optics®: Highly efficient and low-loss light distribution, thanks to reflector and optical lens.

Product description

Recessed LED ceiling luminaire downlight »GENIUS« without power supply unit
 Cast aluminium luminaire housing, finish Colour velvet white,
 Reflector surface made of pure aluminium
 Optical silicone lens · BEGA Hybrid Optics®
 Trim ring · Chrome finish
 Safety glass
 Fixing is achieved by using two adjustable wedge-shaped claws
 1 connecting cable with strain relief and plug connector system for BEGA power supply unit, on/off or DALI
 Safety class III
 CE – Conformity mark
 Weight: 1.2 kg
 This product contains light sources of energy efficiency class(es) D

Lighting technology

Symmetrical narrow beam light distribution
 Half beam angle 14°
 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	11.5 W
Luminaire connected wattage	13.8 W
Rated temperature	$t_a = 25 \text{ °C}$
Ambient temperature	$t_{a \text{ max}} = 40 \text{ °C}$

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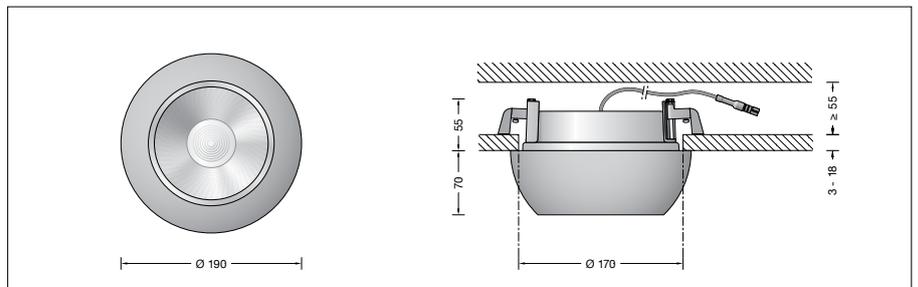
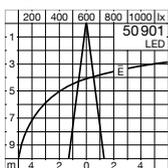
Module designation	LED-0978/930
Colour temperature	3000 K
Colour rendering index	CRI > 90
Module luminous flux	1735 lm
Luminaire luminous flux	1467 lm
Luminaire luminous efficiency	106,3 lm/W

Service life · Ambient temperature

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

Ambient temperature max. $t_a = 40 \text{ °C}$ (100 %)	
LED module:	195,000 h (L 80 B 50) 50,000 h (L 90 B 50)

Light distribution



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.

Accessories

Power supply units for LED luminaires 220-240 V · 0/50-60 Hz with strain relief and plug connector system.

- 13 144** Power supply unit on/off
- 13 170** Power supply unit DALI

The power supply units are only suitable for the operation of one LED luminaire.

13 027 Installation housing

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

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Optional finishes

- Velvet white
- Velvet black

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