

**BEGA****50 468.1**

Ceiling luminaire · downlight for indoor use



Project · Reference number


Date

## Product data sheet

**Application**

LED ceiling luminaire downlight · indoor luminaire with wide beam light distribution. Highly efficient and low-loss light distribution by means of BEGA Hybrid Optics® with reflector and optical lens.

**Product description**

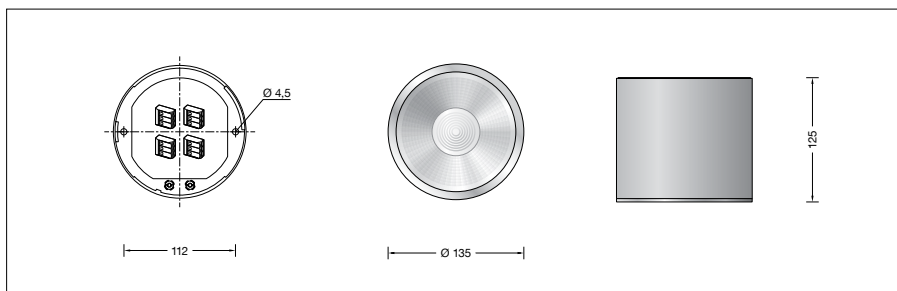
Ceiling luminaire downlight »GENIUS«  
Die-cast aluminium housing,  
Velvet white enamel finish  
Trim ring · Chrome finish  
Clear safety glass  
Optical silicone lens  
Reflector surface made of pure aluminium  
2 mounting holes  $\varnothing$  4.5 mm  
Distance apart 112 mm  
Connecting terminals 2.5<sup>□</sup>  
Earth conductor connection  
LED power supply unit  
220-240 V  $\sim$  0/50-60 Hz  
DC 176-280 V  
DALI controllable  
A basic isolation exists between power cable and control line  
Safety class I  
Impact strength IK07  
Protection against mechanical impacts < 2 joule  
 – Safety mark  
**CE** – Conformity mark  
Weight: 1.2 kg

**Inrush current**

Inrush current: 5 A / 50  $\mu$ s  
Maximum number of luminaires of this type per miniature circuit breaker:  
B 10A: 31 luminaires  
B 16A: 50 luminaires  
C 10A: 52 luminaires  
C 16A: 85 luminaires

**Lamp**

Module connected wattage	11.5 W
Luminaire connected wattage	13.7 W
Rated temperature	$t_a = 25$ °C
Ambient temperature	$t_{a \max} = 30$ °C

**50 468.1 K3**

Module designation	LED-0800/930
Colour temperature	3000 K
Colour rendering index	CRI > 90
Module luminous flux	1735 lm
Luminaire luminous flux	1471 lm
Luminaire luminous efficiency	107,4 lm/W

**50 468.1 K4**

Module designation	LED-0800/940
Colour temperature	4000 K
Colour rendering index	CRI > 90
Module luminous flux	1760 lm
Luminaire luminous flux	1492 lm
Luminaire luminous efficiency	108,9 lm/W

**Service life of the LED**

Ambient temperature  $t_a = 25$  °C  
– at 390,000h: L70B50  
max. ambient temperature  $t_a = 30$  °C  
– at 370,000h: L70B50

**Light technique**

Symmetrical wide beam light distribution  
Half beam angle 34°  
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](http://www.bega.com).

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LED colour temperature optionally 3000 K or 4000 K  
3000 K – Article number + **K3**  
4000 K – Article number + **K4**

## Optional finishes

- Velvet white enamel finish Code number **.1**
- Velvet black enamel finish Code number **.5**