

**BEGA****50 481.1**

Ceiling luminaire · downlight for indoor use



Project · Reference number


Date

## Product data sheet

### Application

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

### Product description

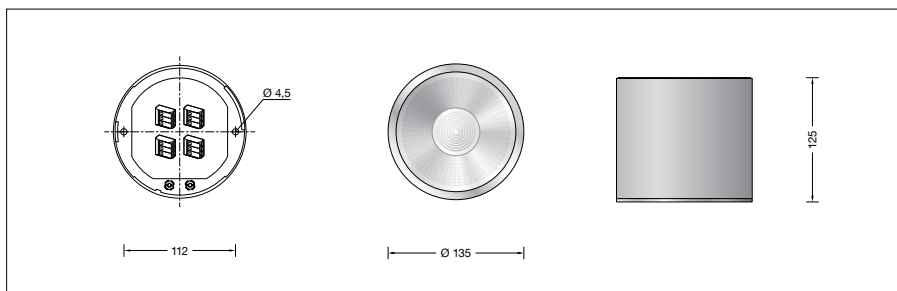
Ceiling luminaire downlight »GENIUS«  
Die-cast aluminium housing,  
Velvet white enamel finish  
Trim ring · Chrome finish  
Clear safety glass  
Optical silicone lens  
Reflector surface made of pure aluminium  
2 mounting holes  $\varnothing$  4.5 mm  
Distance apart 112 mm  
Connecting terminals 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



### 50 481.1 K3

Module designation	LED-0800/930
Colour temperature	3000 K
Colour rendering index	CRI > 90
Module luminous flux	1735 lm
Luminaire luminous flux	1459 lm
Luminaire luminous efficiency	106,5 lm/W

### 50 481.1 K4

Module designation	LED-0800/940
Colour temperature	4000 K
Colour rendering index	CRI > 90
Module luminous flux	1760 lm
Luminaire luminous flux	1480 lm
Luminaire luminous efficiency	108 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

### Lighting technology

Symmetrical narrow beam light distribution.  
Half beam angle 15°  
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**