

**BEGA****50 485.5**

Ceiling luminaire · downlight for indoor use



Project · Reference number


Date

## Product data sheet

### Application

LED ceiling luminaire downlight · indoor  
luminaire with asymmetrical light distribution.

### Product description

Ceiling luminaire downlight »GENIUS«  
Die-cast aluminium housing,  
Velvet black enamel finish  
Trim ring · Chrome finish  
Matt safety glass  
Light-diffusing silicone lens  
Reflector surface made of pure aluminium  
2 mounting holes  $\varnothing$  4.5 mm  
Distance apart 153 mm  
Connecting terminals 2.5<sup>□</sup>  
Earth conductor connection  
LED power supply unit  
220-240 V  $\sim$  0/50-60 Hz  
DC 170-280 V  
DALI controllable  
A basic isolation exists between power cable  
and control line  
Safety class I  
Impact strength IK08  
Protection against mechanical  
impacts < 5 joule  
 – Safety mark  
**CE** – Conformity mark  
Weight: 2.1 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

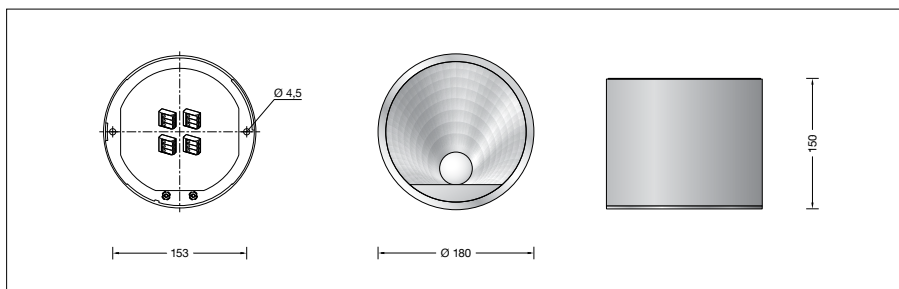
Module connected wattage	17 W
Luminaire connected wattage	20 W
Rated temperature	$t_a = 25$ °C
Ambient temperature	$t_{a \max} = 40$ °C

### 50 485.5 K3

Module designation	LED-0785/930
Colour temperature	3000 K
Colour rendering index	CRI >90
Module luminous flux	2655 lm
Luminaire luminous flux	2077 lm
Luminaire luminous efficiency	103,8 lm/W

### 50 485.5 K4

Module designation	LED-0785/940
Colour temperature	4000 K
Colour rendering index	CRI >90
Module luminous flux	2695 lm
Luminaire luminous flux	2108 lm
Luminaire luminous efficiency	105,4 lm/W



### Service life of the LED

Ambient temperature  $t_a = 25$  °C  
– at 380,000h: L70B50

max. ambient temperature  $t_a = 40$  °C  
– at 310,000h: L70B50

### Light technique

Asymmetrical wide beam light distribution  
Half beam angle 65/68°  
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**