

**BEGA****50 488.5**

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.

### Product description

Ceiling luminaire downlight »GENIUS«  
Die-cast aluminium housing,  
Velvet black 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 153 mm  
Connecting terminals 2.5<sup>□</sup>  
Earth conductor connection  
LED power supply unit  
220-240 V  $\sim$  0/50-60 Hz  
DC 170-276 V  
DALI controllable  
A basic isolation exists between power cable  
and control line  
Safety class I  
 – Safety mark  
**CE** – Conformity mark  
Weight: 2.2 kg

### Inrush current

Inrush current: 20 A / 400  $\mu$ s  
Maximum number of luminaires of this  
type per miniature circuit breaker:  
B10A: 9 luminaires  
B16A: 15 luminaires  
C10A: 16 luminaires  
C16A: 25 luminaires

### Lamp

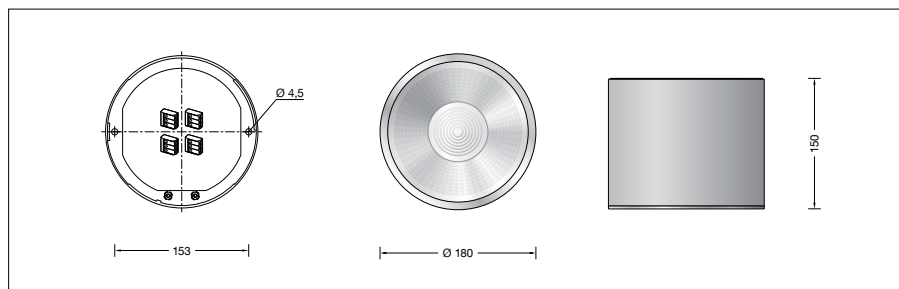
Module connected wattage 25 W  
Luminaire connected wattage 29 W  
Rated temperature  $t_a = 25$  °C  
Ambient temperature  $t_{a \max} = 45$  °C

### 50 488.5 K3

Module designation LED-0785/830  
Colour temperature 3000 K  
Colour rendering index CRI > 80  
Module luminous flux 4365 lm  
Luminaire luminous flux 3667 lm  
Luminaire luminous efficiency 126,4 lm/W

### 50 488.5 K4

Module designation LED-0785/840  
Colour temperature 4000 K  
Colour rendering index CRI > 80  
Module luminous flux 4480 lm  
Luminaire luminous flux 3764 lm  
Luminaire luminous efficiency 129,8 lm/W



### Service life of the LED

Ambient temperature  $t_a = 25$  °C  
– at 360,000h: L70B50

max. ambient temperature  $t_a = 45$  °C  
– at 280,000h: L70B50

### Lighting technology

Symmetrical narrow beam light distribution.  
Half beam angle 19°  
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).

### Article No. 50 488.5

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**