

**BEGA****50 490.1**

Ceiling luminaire · downlight for indoor use



Project · Reference number


Date

## Product data sheet

### Application

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

### Product description

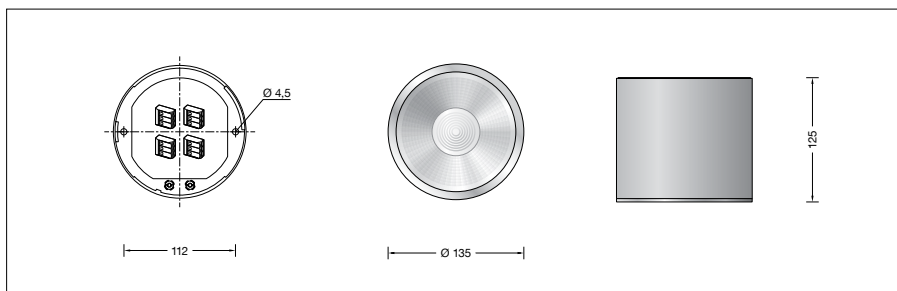
Ceiling luminaire downlight »GENIUS«  
Die-cast aluminium housing,  
Velvet white enamel finish  
Trim ring · Chrome finish  
Clear safety glass  
Optical silicone lens  
Reflector surface made of pure aluminium  
2 mounting holes  $\varnothing$  4.5 mm  
Distance apart 112 mm  
Connecting terminals 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	16.8 W
Luminaire connected wattage	19.5 W
Rated temperature	$t_a = 25$ °C
Ambient temperature	$t_{a \max} = 25$ °C



### 50 490.1 K3

Module designation	LED-0800/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	2850 lm
Luminaire luminous flux	2288 lm
Luminaire luminous efficiency	117,3 lm/W

### 50 490.1 K4

Module designation	LED-0800/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	2920 lm
Luminaire luminous flux	2344 lm
Luminaire luminous efficiency	120,2 lm/W

### Service life of the LED

max. ambient temperature  $t_a = 25$  °C  
– at 360,000 h: L70 B50

### Light technique

Symmetrical broad spread light distribution  
Half beam angle 60°  
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**