

BEGA**50 491.1**

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 153 mm
Connecting terminals 2.5[□]
Earth conductor connection
LED power supply unit
200-240 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 μ s
Maximum number of luminaires of this type per miniature circuit breaker:
B 10A: 9 luminaires
B 16A: 15 luminaires
C 10A: 16 luminaires
C 16A: 25 luminaires

Lamp

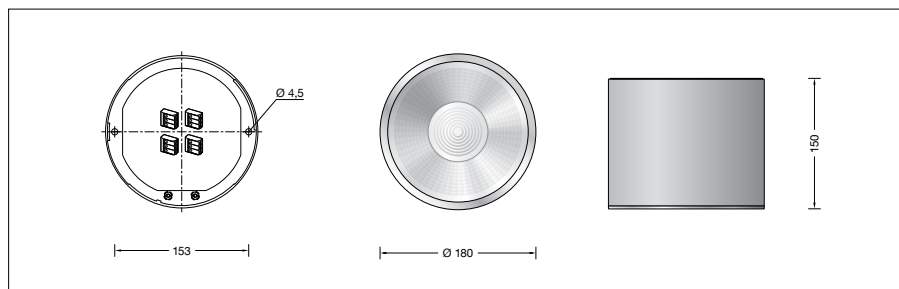
Module connected wattage	25 W
Luminaire connected wattage	29 W
Rated temperature	$t_a = 25$ °C
Ambient temperature	$t_{a \max} = 45$ °C

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Module designation	LED-0785/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	4365 lm
Luminaire luminous flux	3585 lm
Luminaire luminous efficiency	123,6 lm/W

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Module designation	LED-0785/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	4480 lm
Luminaire luminous flux	3679 lm
Luminaire luminous efficiency	126,9 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

Light technique

Symmetrical broad spread light distribution
Half beam angle 59°
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.

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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**