

BEGA**50 488.1**

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.

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
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 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

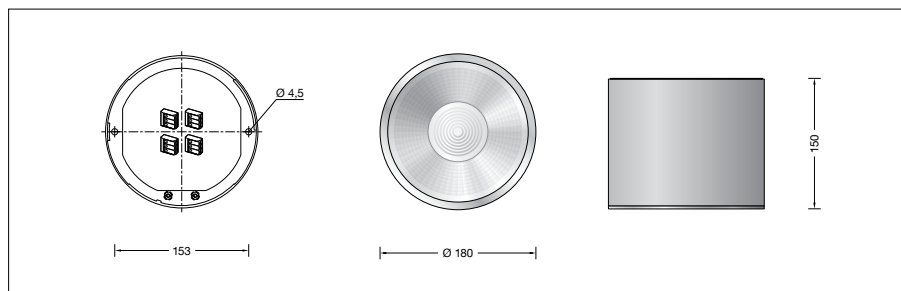
Module connected wattage 25 W
Luminaire connected wattage 29 W
Rated temperature $t_a = 25$ °C
Ambient temperature $t_{a \max} = 45$ °C

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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 3667 lm
Luminaire luminous efficiency 126,4 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 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.

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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**