

BEGA**50 493.1**

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 white 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 112 mm
Connecting terminals 2,5[□]
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
 – Safety mark
 – Conformity mark
Weight: 1.2 kg

Inrush current

Inrush current: 5 A / 50 μ s
Maximum number of luminaires of this
type per miniature circuit breaker:
B10A: 31 luminaires
B16A: 50 luminaires
C10A: 52 luminaires
C16A: 85 luminaires

Lamp

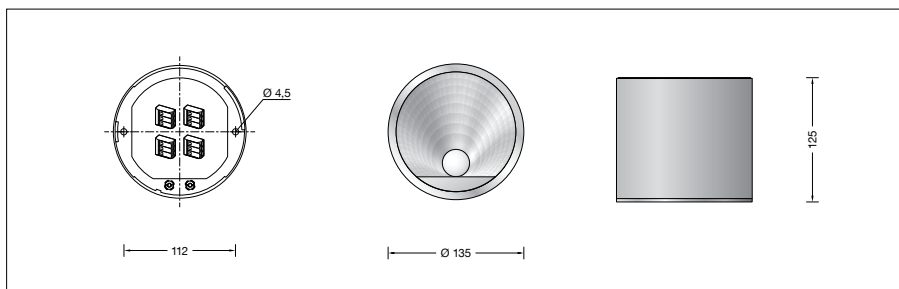
Module connected wattage 16.8 W
Luminaire connected wattage 19.5 W
Rated temperature $t_a = 25$ °C
Ambient temperature $t_{a \max} = 30$ °C

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Module designation LED-0800/830
Colour temperature 3000 K
Colour rendering index CRI > 80
Module luminous flux 2850 lm
Luminaire luminous flux 2129 lm
Luminaire luminous efficiency 109,2 lm/W

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Module designation LED-0800/840
Colour temperature 4000 K
Colour rendering index CRI > 80
Module luminous flux 2920 lm
Luminaire luminous flux 2181 lm
Luminaire luminous efficiency 111,8 lm/W



Service life of the LED

Ambient temperature $t_a = 25$ °C
– at 320,000h: L70B50

max. ambient temperature $t_a = 30$ °C
– at 300,000h: L70B50

Light technique

Asymmetrical wide beam light distribution
Half beam angle 65/69°
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 3000K
or 4000K
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**