

BEGA**50 483.1**

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 96 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: 0.95 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

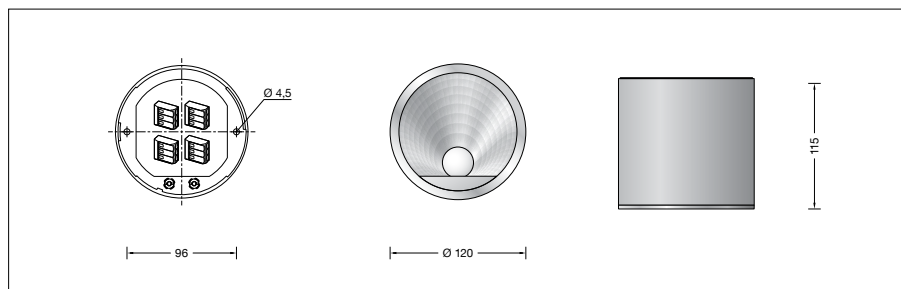
Module connected wattage 8.1 W
 Luminaire connected wattage 9.8 W
 Rated temperature $t_a = 25$ °C
 Ambient temperature $t_{a \max} = 30$ °C

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Module designation LED-0800/930
 Colour temperature 3000 K
 Colour rendering index CRI > 90
 Module luminous flux 1255 lm
 Luminaire luminous flux 953 lm
 Luminaire luminous efficiency 97,2 lm/W

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Module designation LED-0800/940
 Colour temperature 4000 K
 Colour rendering index CRI > 90
 Module luminous flux 1275 lm
 Luminaire luminous flux 968 lm
 Luminaire luminous efficiency 98,8 lm/W

**Service life of the LED**

Ambient temperature $t_a = 25$ °C
 – at 390,000h: L70B50

max. ambient temperature $t_a = 30$ °C
 – at 370,000h: L70B50

Light technique

Asymmetrical wide beam light distribution
 Half beam angle 64/68°
 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**