

BEGA**50 480.5**

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. Highly efficient and low-loss light distribution by means of BEGA Hybrid Optics® with reflector and optical lens.

Product description

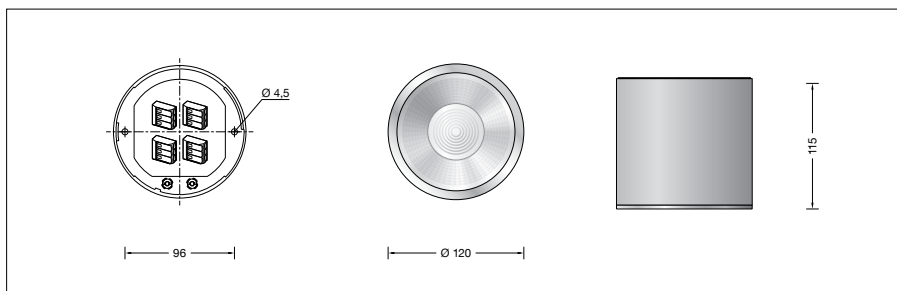
Ceiling luminaire downlight »GENIUS«
Die-cast aluminium housing,
Velvet black enamel finish
Trim ring · Chrome finish
Clear safety glass
Optical silicone lens
Reflector surface made of pure aluminium
2 mounting holes \varnothing 4.5 mm
Distance apart 96 mm
Connecting terminals 2.5[□]
Earth conductor 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
Impact strength IK07
Protection against mechanical impacts < 2 joule
 – Safety mark
CE – 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:
B 10A: 31 luminaires
B 16A: 50 luminaires
C 10A: 52 luminaires
C 16A: 85 luminaires

Lamp

Module connected wattage	8.1 W
Luminaire connected wattage	9.8 W
Rated temperature	$t_a = 25$ °C
Ambient temperature	$t_{a \max} = 35$ °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	1030 lm
Luminaire luminous efficiency	105,1 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	1046 lm
Luminaire luminous efficiency	106,7 lm/W

Service life of the LED

Ambient temperature $t_a = 25$ °C
– at 400,000h: L70B50
max. ambient temperature $t_a = 35$ °C
– at 360,000h: L70B50

Lighting technology

Symmetrical narrow beam light distribution.
Half beam angle 21°
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**