

BEGA**50 489.1**

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

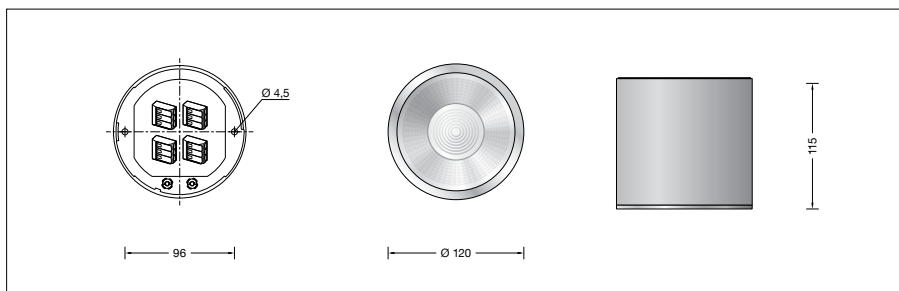
Ceiling luminaire downlight »GENIUS«
Die-cast aluminium housing,
Velvet white enamel finish
Trim ring · Chrome finish
Clear safety glass
Optical silicone lens
Reflector surface made of pure aluminium
2 mounting holes \varnothing 4.5 mm
Distance apart 96 mm
Connecting terminals 2.5[□]
Earth conductor 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: 0.9 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	11.5 W
Luminaire connected wattage	13.7 W
Rated temperature	$t_a = 25$ °C
Ambient temperature	$t_{a \max} = 30$ °C



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Module designation	LED-800/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	2025 lm
Luminaire luminous flux	1575 lm
Luminaire luminous efficiency	115 lm/W

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Module designation	LED-800/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	2080 lm
Luminaire luminous flux	1618 lm
Luminaire luminous efficiency	118,1 lm/W

Service life · Ambient temperature

Rated temperature $t_a = 25$ °C	
LED psu:	> 50,000 h
LED module:	> 200,000 h (L 80 B 50) > 50,000 h (L 90 B 50)
Ambient temperature $t_{a \max} = 30$ °C (100 %)	
LED psu:	50,000 h
LED module:	> 200,000 h (L 80 B 50) > 50,000 h (L 90 B 50)

Light technique

Symmetrical broad spread light distribution
Half beam angle 62°
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**