

BEGA**50 477.1**

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

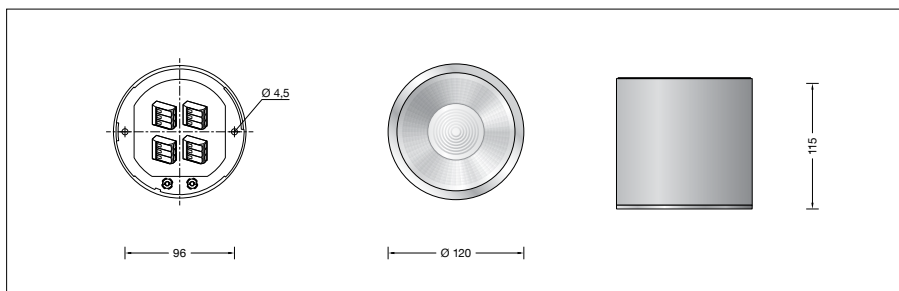
Ceiling luminaire downlight »GENIUS«
Die-cast aluminium housing,
Velvet white enamel finish
Trim ring · Chrome finish
Clear safety glass
Optical silicone lens
Reflector surface made of pure aluminium
2 mounting holes \varnothing 4.5 mm
Distance apart 96 mm
Connecting terminals 2.5[□]
Earth conductor 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: 0.95 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	996 lm
Luminaire luminous efficiency	101,6 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

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**

50 477.1 K4

Module designation	LED-0800/940
Colour temperature	4000 K
Colour rendering index	CRI > 90
Module luminous flux	1275 lm
Luminaire luminous flux	1019 lm
Luminaire luminous efficiency	104 lm/W