

BEGA**51 189.1**

Ceiling luminaire · downlight with zoom optics for indoor use

Project · Reference number

Date

Product data sheet**Application**

Ceiling luminaire downlight · Indoor luminaire with focusable zoom optics.
Adjustable light distribution.
To change the light distribution, optical filters are available as accessory parts.
Changing the half beam angle between 15° and 50° by twisting the lens unit.

Product description

Cast aluminium luminaire housing, finish Colour velvet white,
2 mounting holes \varnothing 4.5 mm
Distance apart 96 mm
Optical lens made of silicate glass
Adjustable metal adapter ring with PMMA lens combination and integrated optical filter.
Connecting terminals 2.5²
Earth conductor connection
LED power supply unit
220-240 V \sphericalcap 0/50-60 Hz
DC 176-275 V
DALI-controllable
Number of DALI addresses: 1
Basic insulation is provided between the mains and control cables
BEGA Thermal Control®
Temporary thermal regulation to protect temperature-sensitive components without switching off the luminaire
Safety class I
CE – Conformity mark
Weight: 1.0 kg
This product contains light sources of energy efficiency class(es) F

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: 80 luminaires

Light technique

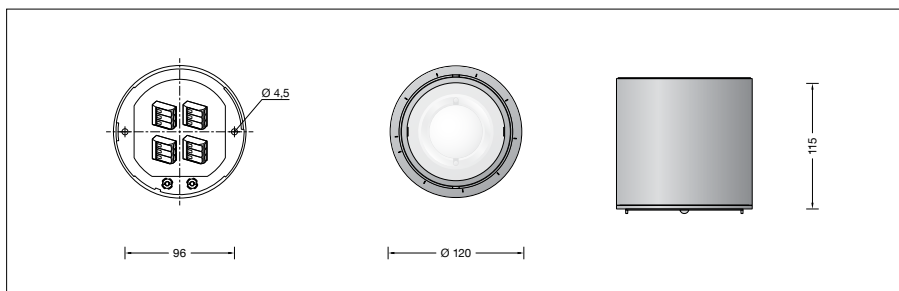
Adjustable light distribution
Half beam angle 15° - 50°
Luminaire data for the light planning program DIALux for outdoor lighting, street lighting and indoor lighting, as well as luminaire data in EULUMDAT and IES format are available on the BEGA website at www.bega.com.

Lamp

Module connected wattage	22 W
Luminaire connected wattage	25 W
Rated temperature	$t_a = 25$ °C
Ambient temperature	$t_{a \max} = 30$ °C

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Module designation	LED-1145/930
Colour temperature	3000 K
Colour rendering index	CRI > 90
Module luminous flux	2810 lm
Luminaire luminous flux	1767 lm
Luminaire luminous efficiency	70,7 lm/W

**Service life · Ambient temperature**

Rated temperature $t_a = 25$ °C	
LED psu:	> 50,000 h
LED module:	120,000 h (L 80 B 50)
	50,000 h (L 90 B 50)

Ambient temperature max. $t_a = 30$ °C (100 %)

LED psu:	50,000 h
LED module:	105,000 h (L 80 B 50)
	50,000 h (L 90 B 50)

Accessories · Optical filters

13 294	flat beam
13 296	symmetrical, diffuse
13 295	asymmetrical

For the accessories a separate instructions for use can be provided upon request.

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Optional finishes

- Velvet white
- Velvet black

Code number **.1**
Code number **.5**