

BEGA**50 169.1**

Ceiling mounted downlight for indoor use



Project · Reference number

Date

Product data sheet

Application

Compact LED downlight with symmetrical wide beam light distribution.

Product description

Die-cast aluminium and aluminium housing, finish white enamel
 Safety glass with optical structure
 Silicone gasket
 Reflector surface made of pure aluminium
 2 mounting holes \varnothing 4.8 mm
 Distance apart 140 mm
 2 cable entries for through-wiring of mains supply cable \varnothing 7-10.5 mm, max. 5 G 1.5[□]
 Connection terminal 2.5[□]
 Earth conductor connection
 2-pole connecting terminal for digital control
 LED power supply unit
 220-240 V \sim 0/50-60 Hz
 DC 170-276 V
 DALI controllable
 A basic isolation exists between power cable and control line
 Safety class I
 Protection class IP 65
 Dust-tight and protection against water jets
 Impact strength IK07
 Protection against mechanical impacts < 2 joule
 – Safety mark
CE – Conformity mark
 Weight: 2.5 kg

Inrush current

Inrush current: 20 A / 400 μ s
 Maximum number of luminaires of this type per miniature circuit breaker:

B 10A: 9 luminaires
 B 16A: 15 luminaires
 C 10A: 16 luminaires
 C 16A: 25 luminaires

Lamp

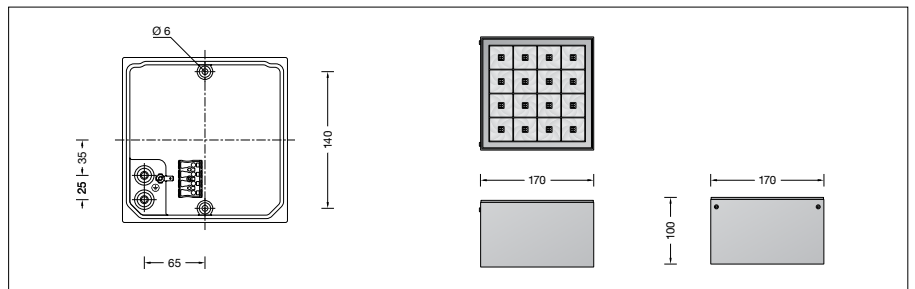
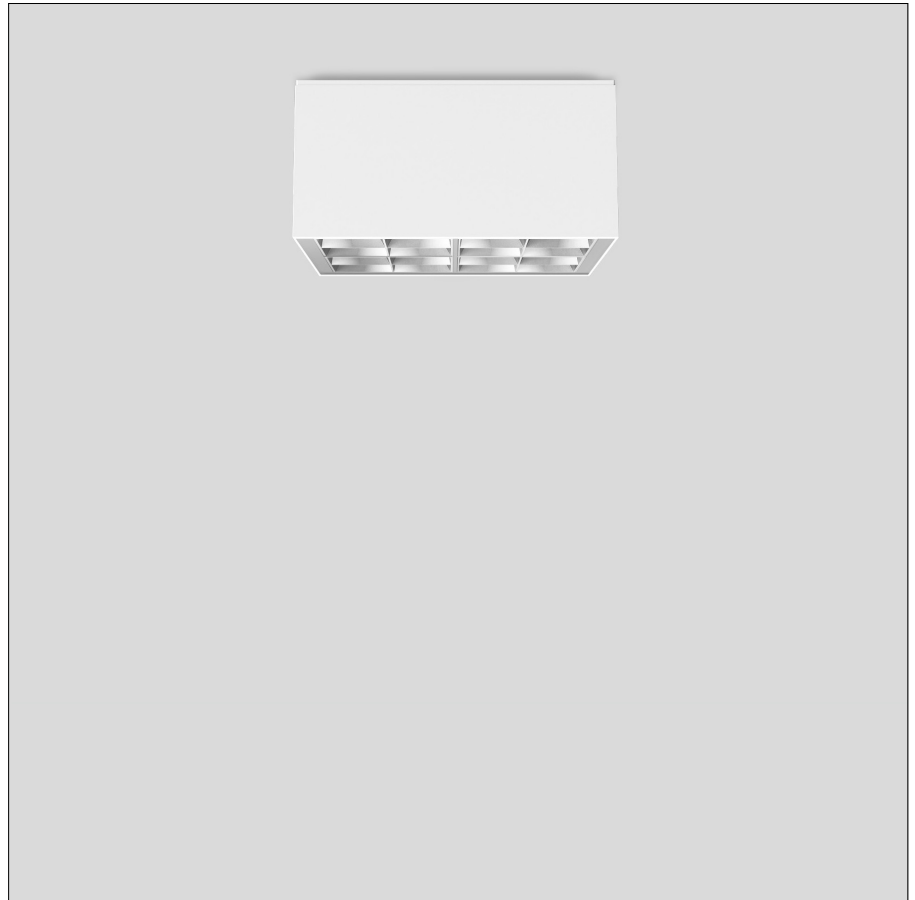
Module connected wattage	33.6 W
Luminaire connected wattage	37.7 W
Rated temperature	$t_a = 25$ °C
Ambient temperature	$t_{a,max} = 40$ °C

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Module designation	4x LED-0588/930
Colour temperature	3000 K
Colour rendering index	CRI > 90
Module luminous flux	4040 lm
Luminaire luminous flux	2972 lm
Luminaire luminous efficiency	78,8 lm/W

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Module designation	4x LED-0588/940
Colour temperature	4000 K
Colour rendering index	CRI > 90
Module luminous flux	4200 lm
Luminaire luminous flux	3090 lm
Luminaire luminous efficiency	82 lm/W



Service life of the LED

Ambient temperature $t_a = 25$ °C
 – at 121,000h: L70B50
 max. ambient temperature $t_a = 40$ °C
 – at 53,000h: L70B50

Lighting technology

Half beam angle 41°
 Luminaire data for the light planning program DIALux for outdoor lighting, street lighting and interior lighting as well as luminaire data in EULUMDAT and IES format are available on our website 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**