

BEGA**50 168.1**

Ceiling mounted downlight for indoor use



Project · Reference number

Date

Product data sheet

Application

Compact LED downlight · indoor luminaire with symmetrical wide beam light distribution. The used LED technique offers durability and optimal light output with low power consumption at the same time.

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 105 mm
 2 cable entries for through-wiring of mains supply cable \varnothing 7-10.5 mm, max. 5G1.5[□]
 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 176-276 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: 1.6 kg

Lamp

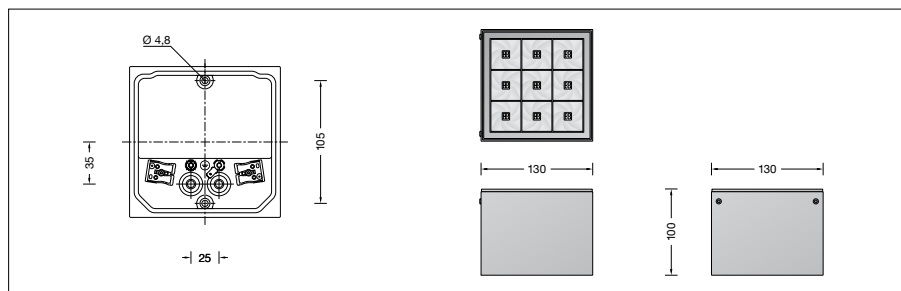
Module connected wattage	17.8 W
Luminaire connected wattage	21 W
Rated temperature	$t_a = 25^\circ\text{C}$
Ambient temperature	$t_{a\text{max}} = 35^\circ\text{C}$

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Module designation	LED-0586/930
Colour temperature	3000 K
Colour rendering index	CRI > 90
Module luminous flux	2275 lm
Luminaire luminous flux	1517 lm
Luminaire luminous efficiency	72,2 lm/W

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Module designation	LED-0586/940
Colour temperature	4000 K
Colour rendering index	CRI > 90
Module luminous flux	2360 lm
Luminaire luminous flux	1574 lm
Luminaire luminous efficiency	75 lm/W



Service life of the LED

Ambient temperature $t_a = 25^\circ\text{C}$
 – at 200,000h: L70B50

max. ambient temperature $t_a = 35^\circ\text{C}$
 – at 112,000h: L70B50

Lighting technology

Half beam angle 38°
 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.

Inrush current

Inrush current: 12 A / 24.2 μs
 Maximum number of luminaires of this type per miniature circuit breaker:
 B10A: 50 luminaires
 B16A: 50 luminaires
 C10A: 50 luminaires
 C16A: 50 luminaires

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LED colour temperature optionally 3000K or 4000K
 3000 K – Article number + **K3**
 4000 K – Article number + **K4**

Light distribution

