

BEGA**50 414.1**

Ceiling mounted downlight for indoor use



Project · Reference number

Date

Product data sheet

Application

Compact LED downlight · indoor luminaire with asymmetrical 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 70 mm
1 cable entry for mains supply cable
up to \varnothing 10,5 mm max. $3 \times 1,5^{\square}$
Connection terminal 2.5^{\square}
Earth conductor connection
LED power supply unit
220-240 V \sim 0/50-60 Hz
DC 176-264 V
Safety class I
Protection class IP 65
Dust-tight and protection against water jets
 – Safety mark
CE – Conformity mark
Weight: 0.85 kg

Inrush current

Inrush current: 11 A / 112 μ s
Maximum number of luminaires of this
type per miniature circuit breaker:
B 10A: 34 luminaires
B 16A: 55 luminaires
C 10A: 57 luminaires
C 16A: 92 luminaires

Lamp

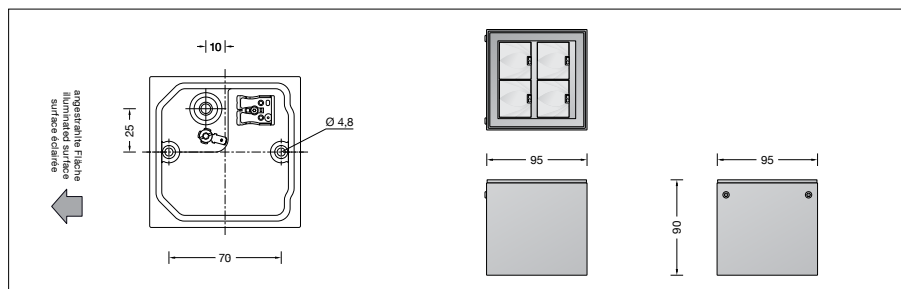
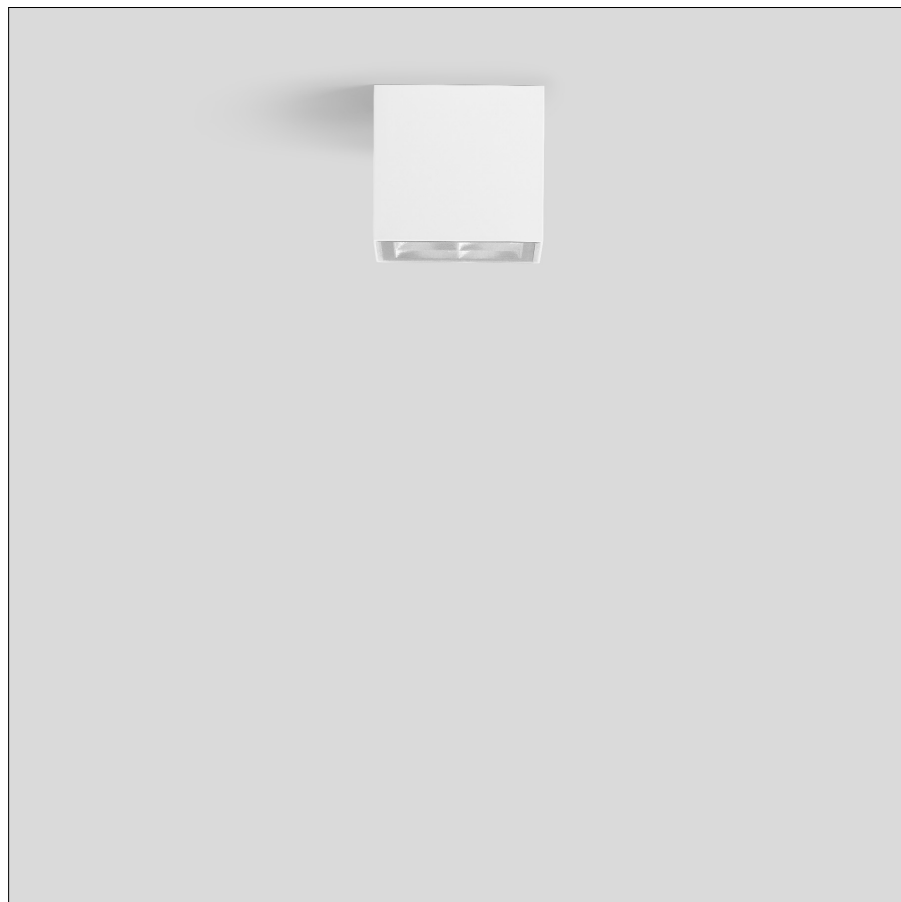
Module connected wattage 8.4 W
Luminaire connected wattage 9.6 W
Rated temperature $t_a = 25^{\circ}\text{C}$
Ambient temperature $t_{a\text{max}} = 40^{\circ}\text{C}$

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Module designation LED-0588/930
Colour temperature 3000 K
Colour rendering index CRI > 90
Module luminous flux 1055 lm
Luminaire luminous flux 534 lm
Luminaire luminous efficiency 55,6 lm/W

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Module designation LED-0588/940
Colour temperature 4000 K
Colour rendering index CRI > 90
Module luminous flux 1095 lm
Luminaire luminous flux 554 lm
Luminaire luminous efficiency 57,7 lm/W



Service life of the LED

Ambient temperature $t_a = 25^{\circ}\text{C}$
– at 298,000h: L70B50
max. ambient temperature $t_a = 40^{\circ}\text{C}$
– at 122,000h: L70B50

Lighting technology

Half beam angle $44/48^{\circ}$
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 3000K
or 4000K
3000 K – Article number + **K3**
4000 K – Article number + **K4**