

BEGA**50 164.1**

Ceiling mounted downlight for indoor use



Project · Reference number

Date

Product data sheet

Application

Compact LED downlight with symmetrical narrow 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 105 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
 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
 – Conformity mark
 Weight: 1.6 kg

Inrush current

Inrush current: 12 A / 24.2 μ s
 Maximum number of luminaires of this type per miniature circuit breaker:

B 10A: 50 luminaires
 B 16A: 50 luminaires
 C 10A: 50 luminaires
 C 16A: 50 luminaires

Lamp

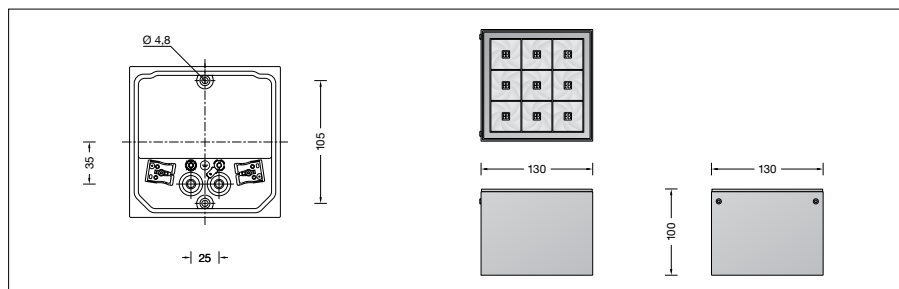
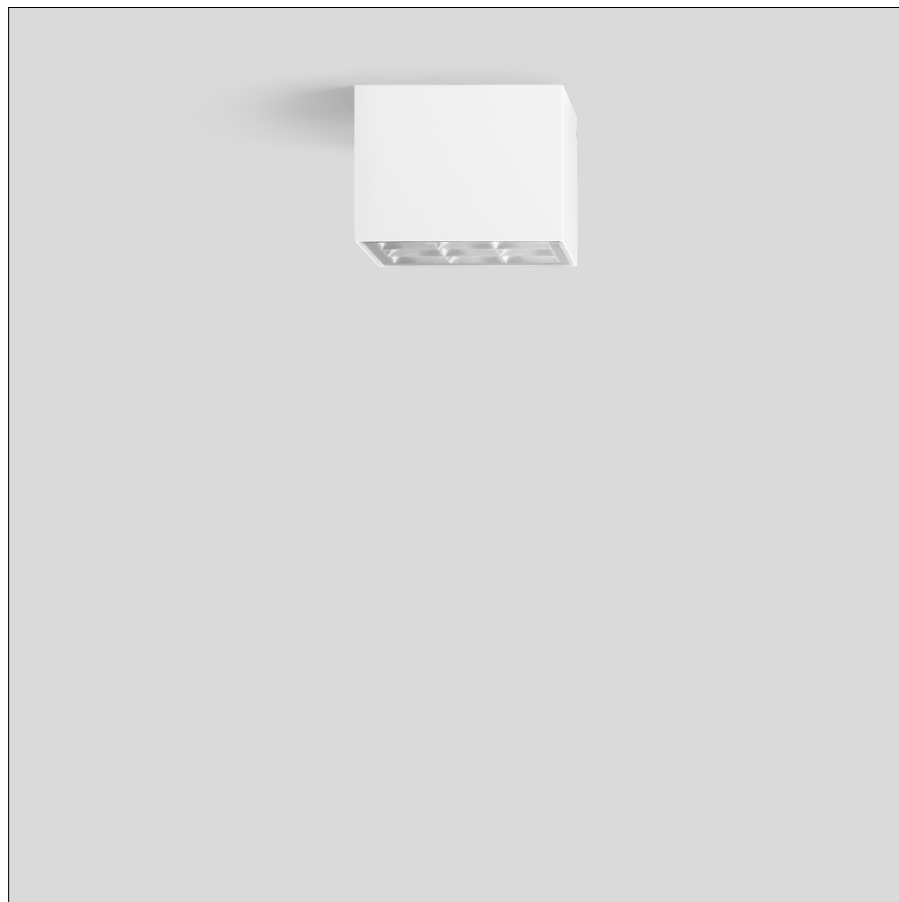
Module connected wattage 17.8 W
 Luminaire connected wattage 21 W
 Rated temperature $t_a = 25$ °C
 Ambient temperature $t_{a \max} = 30$ °C

50 164.1 K3

Module designation LED-0586/930
 Colour temperature 3000 K
 Colour rendering index CRI > 90
 Module luminous flux 2215 lm
 Luminaire luminous flux 1247 lm
 Luminaire luminous efficiency 59,4 lm/W

50 164.1 K4

Module designation LED-0586/940
 Colour temperature 4000 K
 Colour rendering index CRI > 90
 Module luminous flux 2295 lm
 Luminaire luminous flux 1292 lm
 Luminaire luminous efficiency 61,5 lm/W



Service life of the LED

Ambient temperature $t_a = 25$ °C
 – at 172,000h: L70B50
 max. ambient temperature $t_a = 30$ °C
 – at 128,000h: L70B50

Lighting technology

Half beam angle 25°
 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.

Article No. 50 164.1

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