

**BEGA****50 163.1**

Ceiling mounted downlight for indoor use



Project · Reference number

Date

## Product data sheet

### Application

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

### Product description

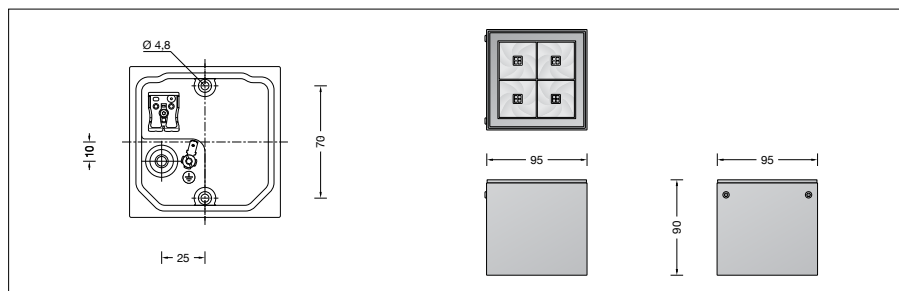
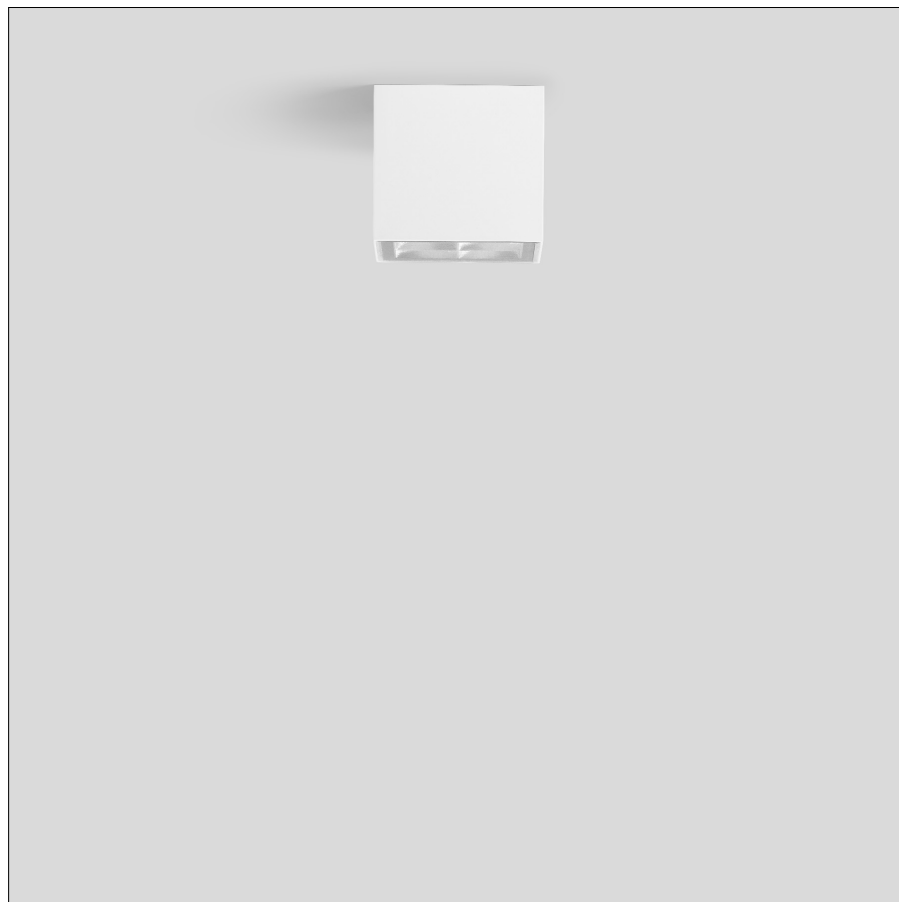
Die-cast aluminium and aluminium housing, finish white enamel  
 Safety glass with optical structure  
 Silicone gasket  
 Reflector surface made of pure aluminium  
 2 mounting holes  $\varnothing$  4.8 mm  
 Distance apart 70 mm  
 1 cable entry for mains supply cable up to  $\varnothing$  10,5 mm max.  $3 \times 1,5^{\square}$   
 Connecting 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  
 Impact strength IK06  
 Protection against mechanical impacts < 1 joule  
 – Safety mark  
 – Conformity mark  
 Weight: 0.85 kg

### Inrush current

Inrush current: 11 A / 112  $\mu$ s  
 Maximum number of luminaires of this type per miniature circuit breaker:  
 B10A: 34 luminaires  
 B16A: 55 luminaires  
 C10A: 57 luminaires  
 C16A: 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	$t_{a \text{ max}} = 40^{\circ}\text{C}$



### 50 163.1 K3

Module designation	LED-0588/930
Colour temperature	3000 K
Colour rendering index	CRI > 90
Module luminous flux	1055 lm
Luminaire luminous flux	579 lm
Luminaire luminous efficiency	60,3 lm/W

### Lifetime of the LED

Ambient temperature  $t_a = 15^{\circ}\text{C}$   
 – at 50,000 h: L90 B10  
 – at > 500,000 h: L70 B50

Ambient temperature  $t_a = 25^{\circ}\text{C}$   
 – at 50,000 h: L90 B10  
 – at 298,000 h: L70 B50

### 50 163.1 K4

Module designation	LED-0588/940
Colour temperature	4000 K
Colour rendering index	CRI > 90
Module luminous flux	1095 lm
Luminaire luminous flux	601 lm
Luminaire luminous efficiency	62,6 lm/W

max. ambient temperature  $t_a = 40^{\circ}\text{C}$   
 – at 50,000 h: L70 B10  
 – at 122,000 h: L70 B50

### Lighting technology

Half beam angle  $25^{\circ}$   
 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](http://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**