

**BEGA****50 413.1**

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  
 Impact strength IK06  
 Protection against mechanical impacts < 1 joule  
 – Safety mark  
 – Conformity mark  
 Weight: 0.85 kg

### Lamp

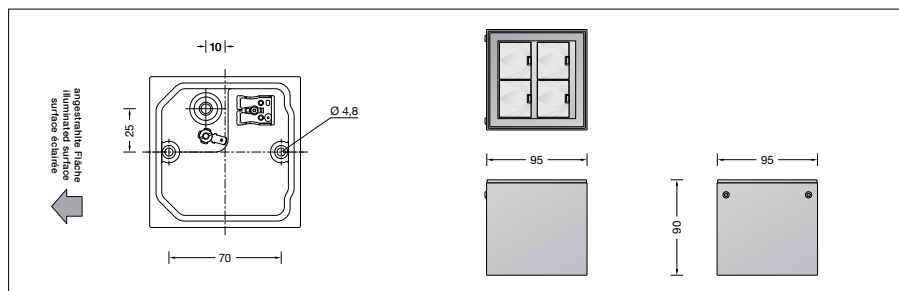
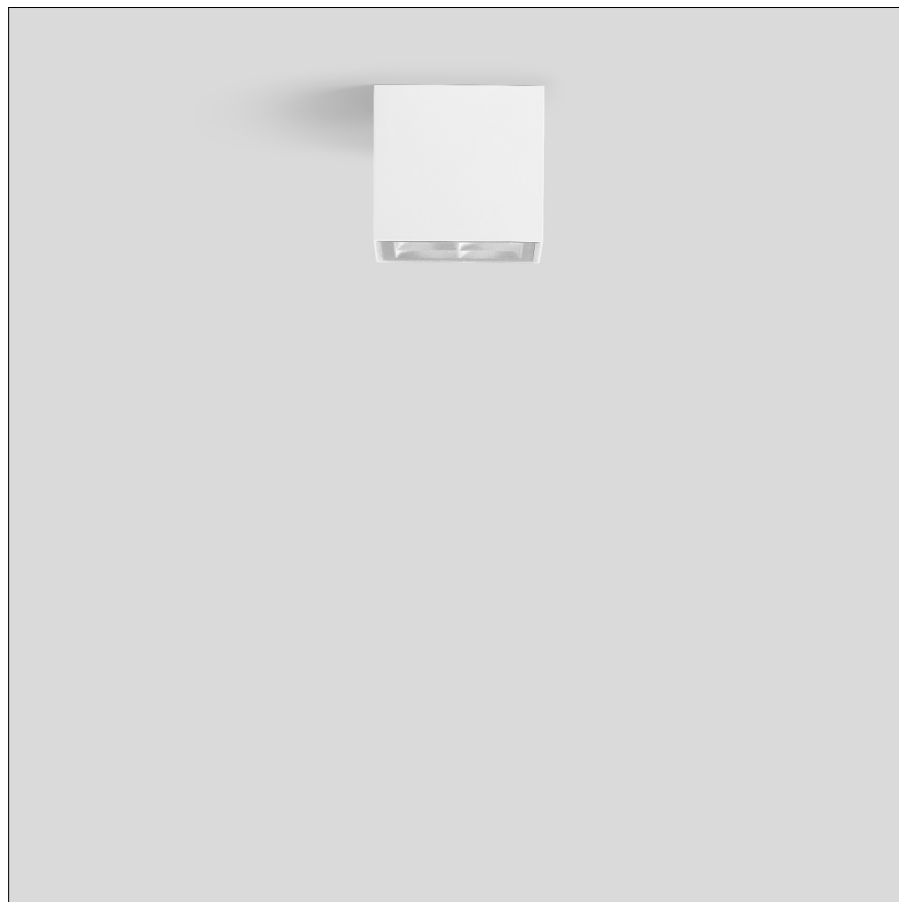
Module connected wattage	3 W
Luminaire connected wattage	4.1 W
Rated temperature	$t_a = 25^{\circ}\text{C}$
Ambient temperature	$t_{a\text{max}} = 50^{\circ}\text{C}$

### 50 413.1 K3

Module designation	LED-0591/930
Colour temperature	3000 K
Colour rendering index	CRI > 90
Module luminous flux	455 lm
Luminaire luminous flux	274 lm
Luminaire luminous efficiency	66,8 lm/W

### 50 413.1 K4

Module designation	LED-0591/940
Colour temperature	4000 K
Colour rendering index	CRI > 90
Module luminous flux	465 lm
Luminaire luminous flux	280 lm
Luminaire luminous efficiency	68,3 lm/W



### Service life of the LED

Ambient temperature  $t_a = 25^{\circ}\text{C}$   
 – at > 500,000 h: L70B50

max. ambient temperature  $t_a = 50^{\circ}\text{C}$   
 – at 257,000 h: L70B50

### Lighting technology

Half beam angle  $42/48^{\circ}$

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](http://www.bega.com).

### Inrush current

Inrush current: 7 A / 112  $\mu\text{s}$   
 Maximum number of luminaires of this type per miniature circuit breaker:  
 B10A: 38 luminaires  
 B16A: 61 luminaires  
 C10A: 64 luminaires  
 C16A: 102 luminaires

### Article No. 50 413.1

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