

**BEGA****50 416.1**

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 140 mm  
 2 cable entries for through-wiring of mains supply cable  $\varnothing$  7-10.5 mm, max. 5 G 1.5<sup>□</sup>  
 Connection terminal 2.5<sup>□</sup>  
 Earth conductor connection  
 LED power supply unit  
 220-240 V  $\sim$  0/50-60 Hz  
 DC 170-276 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  
 – Safety mark  
 – Conformity mark  
 Weight: 2.5 kg

### Inrush current

Inrush current: 20 A / 400  $\mu$ s  
 Maximum number of luminaires of this type per miniature circuit breaker:  
 B 10A: 9 luminaires  
 B 16A: 15 luminaires  
 C 10A: 16 luminaires  
 C 16A: 25 luminaires

### Lamp

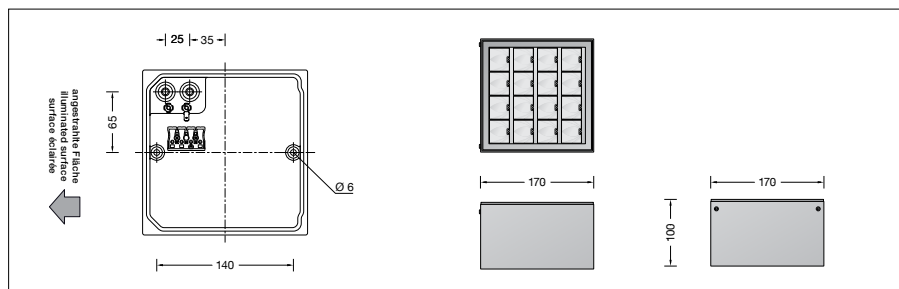
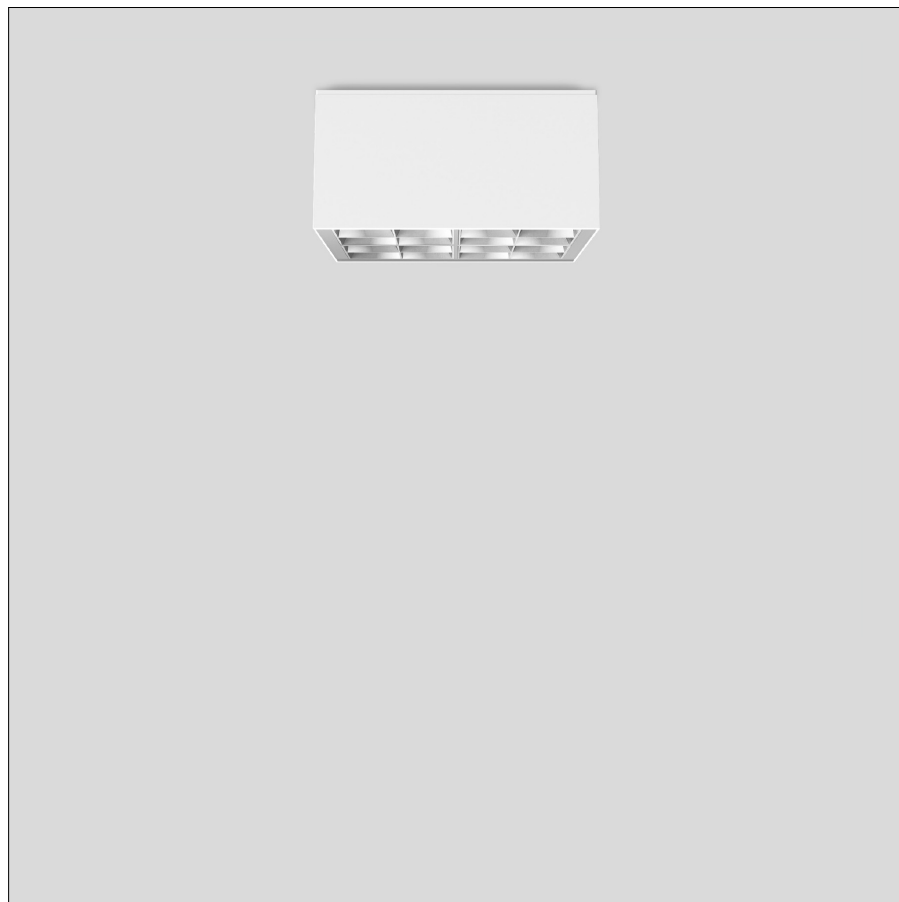
Module connected wattage	33.6 W
Luminaire connected wattage	38.2 W
Rated temperature	$t_a = 25^\circ\text{C}$
Ambient temperature	$t_{a\text{max}} = 40^\circ\text{C}$

### 50 416.1 K3

Module designation	4x LED-0588/930
Colour temperature	3000 K
Colour rendering index	CRI > 90
Module luminous flux	4220 lm
Luminaire luminous flux	2272 lm
Luminaire luminous efficiency	59,5 lm/W

### 50 416.1 K4

Module designation	4x LED-0588/940
Colour temperature	4000 K
Colour rendering index	CRI > 90
Module luminous flux	4380 lm
Luminaire luminous flux	2358 lm
Luminaire luminous efficiency	61,7 lm/W



### Service life of the LED

Ambient temperature  $t_a = 25^\circ\text{C}$   
 – at 121,000h: L70B50

max. ambient temperature  $t_a = 40^\circ\text{C}$   
 – at 53,000h: L70B50

### Lighting technology

Half beam angle 44/48°  
 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**