

**BEGA****24 057**

Compact downlight



Project · Reference number

Date

## Product data sheet

### Application

Compact LED downlight with asymmetrical broad spread light distribution.

### Product description

Luminaire made of aluminium alloy, aluminium and stainless steel  
 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: 0.9 kg

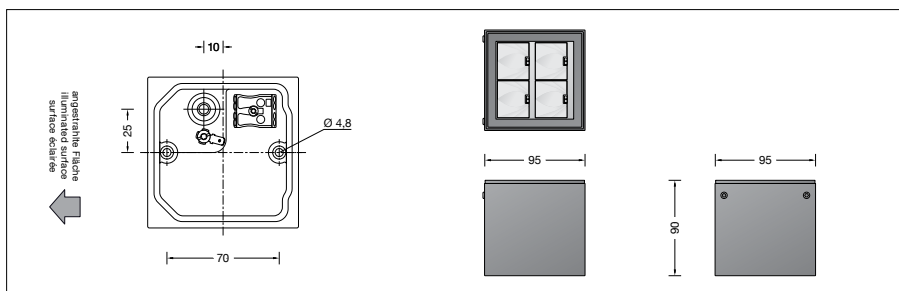
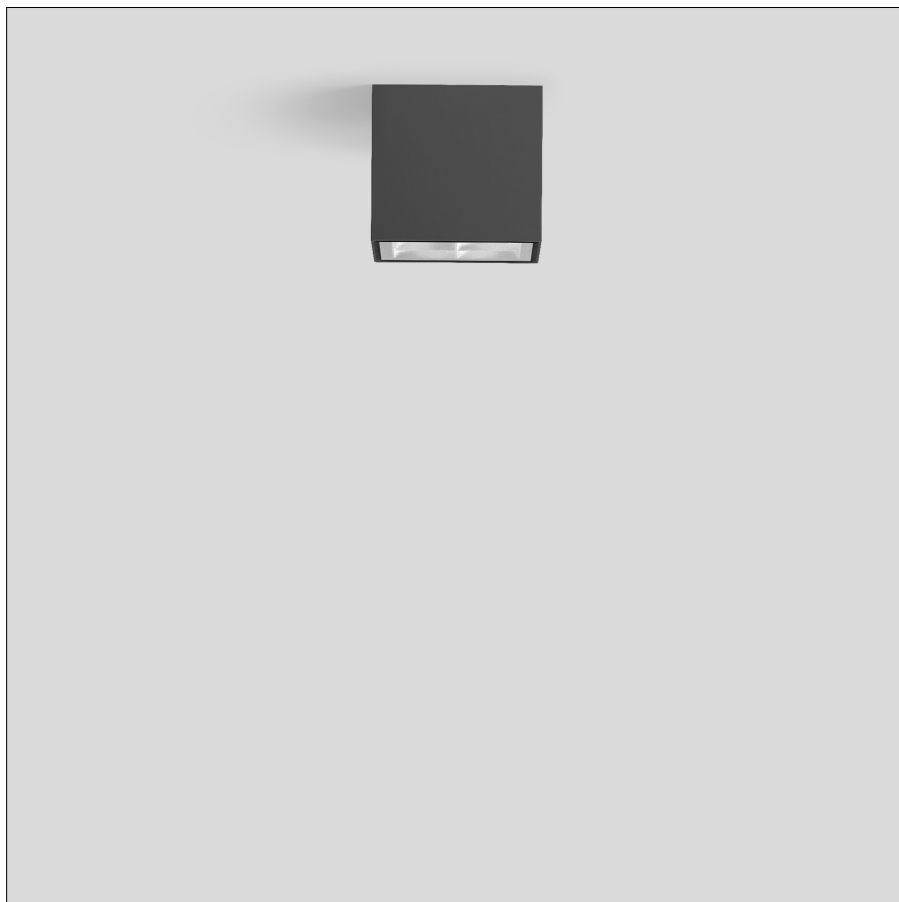
### Inrush current

Inrush current: 11 A / 112  $\mu$ 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 | 9.7 W                                  |
| Rated temperature           | $t_a = 25^{\circ}\text{C}$             |
| Ambient temperature         | $t_{a\text{max}} = 40^{\circ}\text{C}$ |

On request we can offer you modifications for environments with higher temperatures as a customized product.



### 24 057 K3

|                               |              |
|-------------------------------|--------------|
| Module designation            | LED-0588/830 |
| Colour temperature            | 3000 K       |
| Colour rendering index        | CRI > 80     |
| Module luminous flux          | 1160 lm      |
| Luminaire luminous flux       | 587 lm       |
| Luminaire luminous efficiency | 60,5 lm/W    |

### 24 057 K4

|                               |              |
|-------------------------------|--------------|
| Module designation            | LED-0588/840 |
| Colour temperature            | 4000 K       |
| Colour rendering index        | CRI > 80     |
| Module luminous flux          | 1160 lm      |
| Luminaire luminous flux       | 587 lm       |
| Luminaire luminous efficiency | 60,5 lm/W    |

### Service life · Ambient temperature

|                                                |                                                |
|------------------------------------------------|------------------------------------------------|
| Ambient temperature $t_a = 25^{\circ}\text{C}$ |                                                |
| LED psu:                                       | > 50,000 h                                     |
| LED module:                                    | 198,000 h (L 80 B 50)<br>100,000 h (L 90 B 50) |

|                                                |                                               |
|------------------------------------------------|-----------------------------------------------|
| Ambient temperature $t_a = 40^{\circ}\text{C}$ |                                               |
| LED psu:                                       | 50,000 h                                      |
| LED module:                                    | 79,000 h (L 80 B 50)<br>100,000 h (L 70 B 50) |

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

### Article No. 24 057

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

Colour optionally graphite or white  
 Graphite – Article number  
 White – Article number + **W**

### Light distribution

