

**BEGA****24 059**

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 140 mm  
2 cable entries for through-wiring of mains  
supply cable  $\varnothing$  7-10,5 mm, max. 5G 1.5<sup>2</sup>  
Connecting terminal 2.5<sup>2</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  
Impact strength IK07  
Protection against mechanical  
impacts < 2 joule  
 – Safety mark  
 – Conformity mark  
 Weight: 2.6 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	$t_{a\text{max}} = 40^\circ\text{C}$

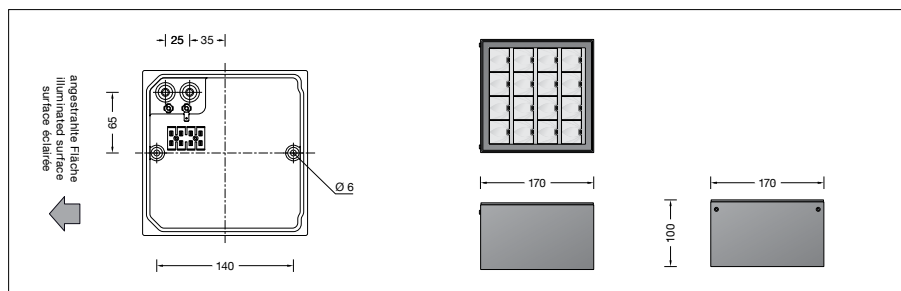
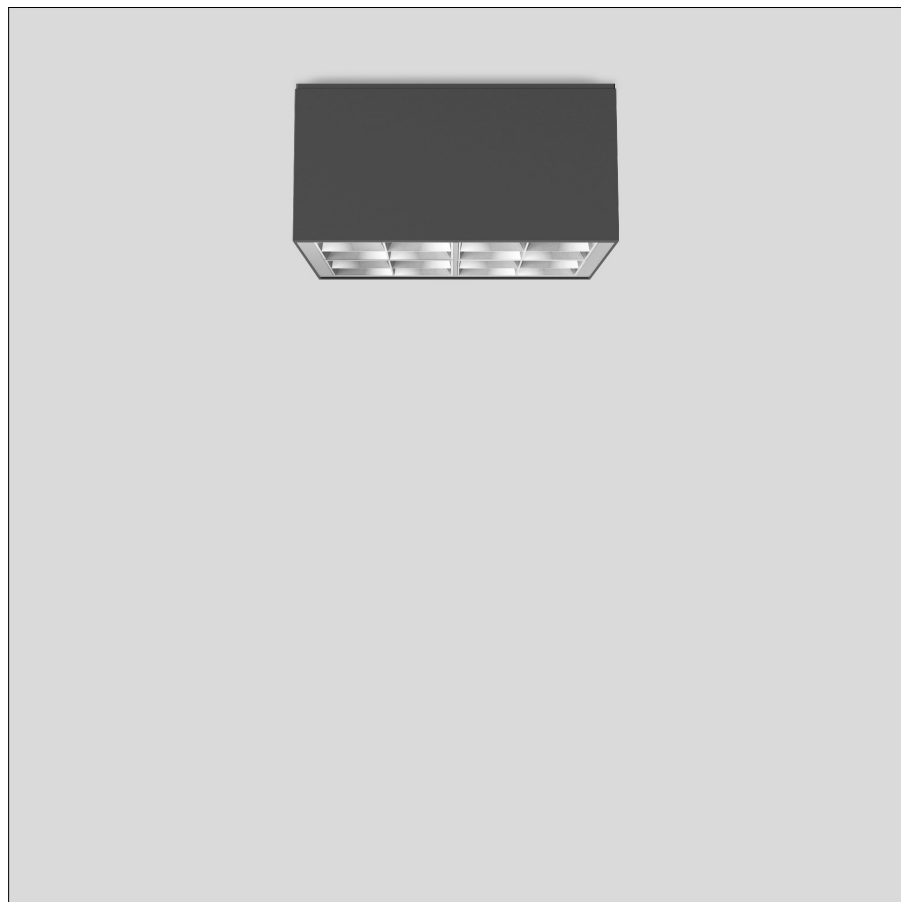
On request we can offer you modifications for  
environments with higher temperatures as a  
customized product.

### 24 059 K3

Module designation	4x LED-0588/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	4640 lm
Luminaire luminous flux	2498 lm
Luminaire luminous efficiency	65,4 lm/W

### 24 059 K4

Module designation	4x LED-0588/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	4640 lm
Luminaire luminous flux	2498 lm
Luminaire luminous efficiency	65,4 lm/W



### Lifetime of the LED

Ambient temperature  $t_a = 15^\circ\text{C}$   
 – at 50,000h: L 80 B 10  
 – at 218,000h: L 70 B 50

Ambient temperature  $t_a = 25^\circ\text{C}$   
 – at 50,000h: L 70 B 10  
 – at 121,000h: L 70 B 50

max. ambient temperature  $t_a = 40^\circ\text{C}$   
 – at 50,000h: L 70 B 50  
 – at 53,000h: L 70 B 50

### 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).

### Article No. 24 059

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

Colour graphite or white  
graphite – article number  
white – article number + **W**

### Light distribution

