

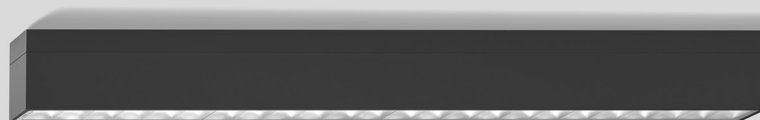
**BEGA****24 313**

Ceiling mounted downlight



Project · Reference number

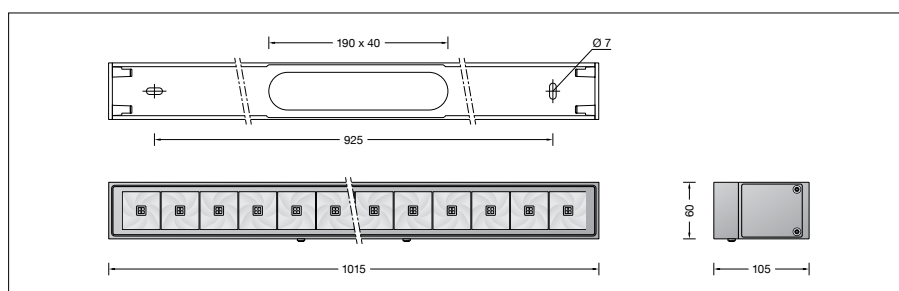
Date



## Product data sheet

### Product description

Luminaire made of aluminium alloy,  
aluminium and stainless steel  
BEGA Unidure® coating technology  
Matt safety glass  
Silicone gasket  
BEGA Vortex Optics®.  
Reflector surface made of pure aluminium  
Mounting bar with 2 elongated holes  
7 mm width, 925 mm spacing  
2 screw cable glands with strain relief for  
through-wiring of the mains supply cable from  
ø 7,5–10,8 mm, max. 5 G 1,5<sup>2</sup>  
1 screw cable gland closed at the factory with  
a dummy plug  
Connecting terminal 2.5<sup>2</sup>  
with plug connection  
Earth conductor connection  
LED power supply unit  
220–240 V ~ 0/50–60 Hz  
DC 176–276 V  
During DC operation the LED power  
is reduced to 15 %  
DALI-controllable  
Basic insulation is provided between the mains  
and control cables  
BEGA Thermal Control®  
Temporary thermal regulation to protect  
temperature-sensitive components without  
switching off the luminaire  
Safety class I  
⚡ Ballproof according to DIN VDE 0710  
part 13  
Protection class IP 65  
Dust-tight and protection against water jets  
Impact strength IK07  
Protection against mechanical  
impacts < 2 joule  
⚡ – Safety mark  
CE – Conformity mark  
Weight: 6.2 kg  
This product contains light sources of energy  
efficiency class(es) C



### Application

Ceiling-mounted downlight with symmetrical  
wide beam light distribution.  
Bands of light of different lengths can be  
created by installing single luminaires in rows.  
A luminaire for linear illumination both indoors  
and out.

### Lamp

Module connected wattage	31.6 W
Luminaire connected wattage	35.6 W
Rated temperature	$t_a = 25^\circ\text{C}$
Ambient temperature	$t_{a\text{ max}} = 55^\circ\text{C}$

### 24 313 K3

Module designation	LED-0771/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	5900 lm
Luminaire luminous flux	4383 lm
Luminaire luminous efficiency	123,1 lm/W

### 24 313 K4

Module designation	LED-0771/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	6060 lm
Luminaire luminous flux	4522 lm
Luminaire luminous efficiency	127 lm/W

### Service life · Ambient temperature

Rated temperature $t_a = 25^\circ\text{C}$	
LED psu:	> 50,000 h
LED module:	> 200,000 h (L 80 B 50) 100,000 h (L 90 B 50)

Ambient temperature max. $t_a = 55^\circ\text{C}$ (100 %)	
LED psu:	50,000 h
LED module:	71,000 h (L 80 B 50) 100,000 h (L 70 B 50)

### Inrush current

Inrush current: 20 A / 200  $\mu\text{s}$   
Maximum number of luminaires of this  
type per miniature circuit breaker:  
B 10 A: 14 luminaires  
B 16 A: 24 luminaires  
C 10 A: 14 luminaires  
C 16 A: 24 luminaires

### Ratio of luminous flux

Luminous flux upper half-space	0 %
Luminous flux lower half-space	100 %

BUG rating according to IES TM-15-07:  
3–0–0

CEN Flux Code according to EN 13032-2:  
93–99–100–100–100

### Lighting technology

Half beam angle  $55^\circ$   
Luminaire data for the DIALux lighting design  
program for outdoor lighting, street lighting  
and indoor lighting, as well as luminaire data in  
EULUMDAT and IES format are available on our  
website at [www.bega.com](http://www.bega.com).

### BEGA Vortex Optics®

BEGA Vortex Optics® features newly  
developed twisted reflectors with a surface  
made of pure aluminium.

The more intense concentration of the light  
enables perfect light deflection.  
This makes it possible to achieve optimal light  
distribution without artefacts.  
Thanks to excellent glare control, BEGA Vortex  
Optics® offers outstanding visual comfort.  
The interaction with the LED modules produces  
extraordinary lighting results.

### Article No. 24 313

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

### Light distribution

