BEGA

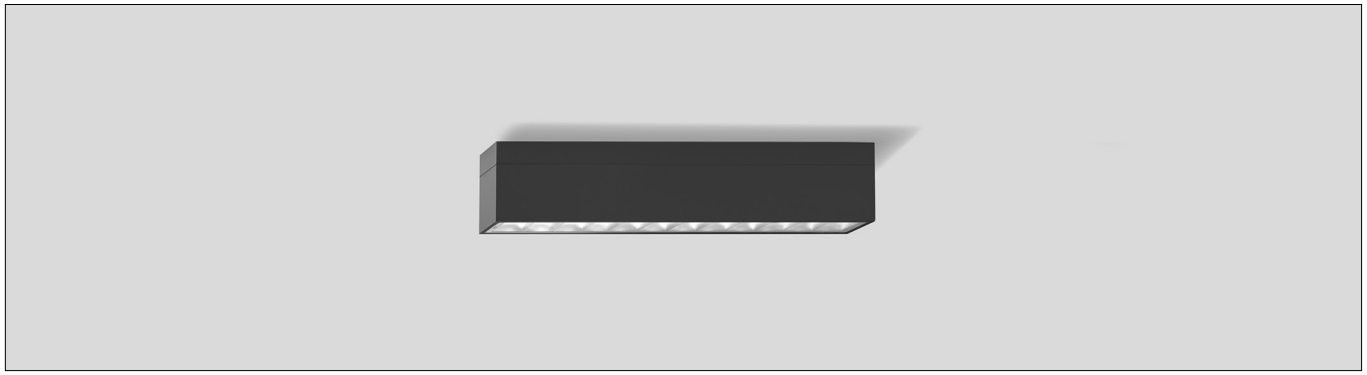
24 312

Ceiling mounted downlight

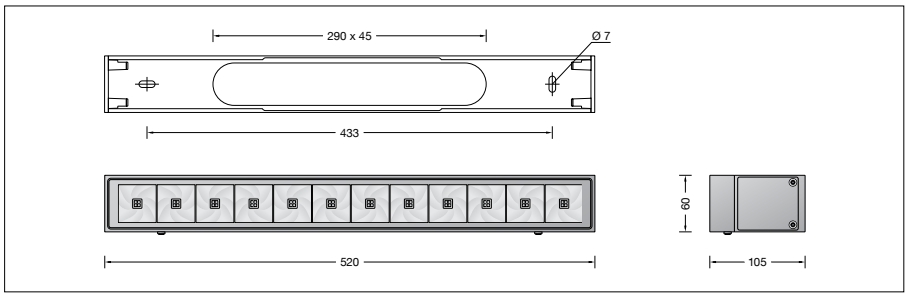
IP 65

Project · Reference number

Date



Product data sheet



Product description
Luminaire made of aluminium alloy, aluminium and stainless steel
BEGA Unidure® coating technology
Colour graphite
Matt safety glass
Silicone gasket
BEGA Vortex Optics® .
Reflector surface made of pure aluminium
Mounting bar with 2 elongated holes
7 mm width, 433 mm spacing
2 screw cable glands with strain relief for through-wiring of the mains supply cablefrom ø 7,5–10,8 mm, max. 5 G 1,5□
1 screw cable gland closed at the factory with a dummy plug
Connecting terminal 2.5□ 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
Number of DALI addresses: 1
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
10 – Safety mark
CE – Conformity mark
Weight: 2.9 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	15.8 W
Luminaire connected wattage	18.3 W
Rated temperature	t_a = 25 °C
Ambient temperature	$t_{a\,max}$ = 55 °C

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Module designation	LED-0771/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	2950 lm
Luminaire luminous flux	2191 lm
Luminaire luminous efficiency	119,7 lm/W

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Module designation	LED-0771/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	3030 lm
Luminaire luminous flux	2261 lm
Luminaire luminous efficiency	123,6 lm/W

Service life · Ambient temperature
Rated temperature t_a = 25 °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 °C (100 %)
LED psu: 50,000 h
LED module: 200,000 h (L 80 B 50)

Lighting technology
Half beam angle 55°
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.

Ratio of luminous flux

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

BUG rating according to IES TM-15-07: 2–0–0
CEN Flux Code according to EN 13032-2: 93–99–100–100–100

Inrush current
Inrush current: 20 A / 200 µs
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

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. 24 312
LED colour temperature optionally 3000 K or 4000 K
3000 K – Article number + **K3**
4000 K – Article number + **K4**

Light distribution