

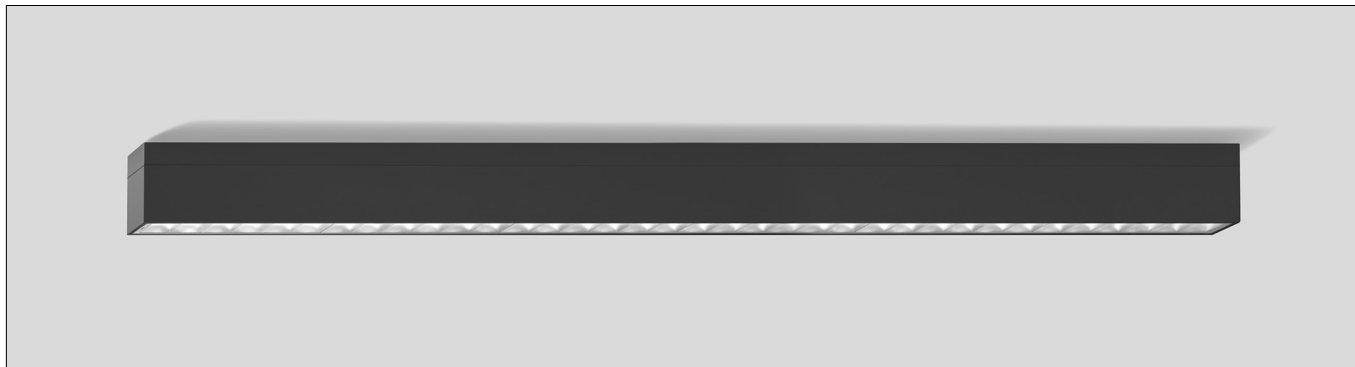
BEGA**24 314**

Ceiling mounted downlight



Project · Reference number

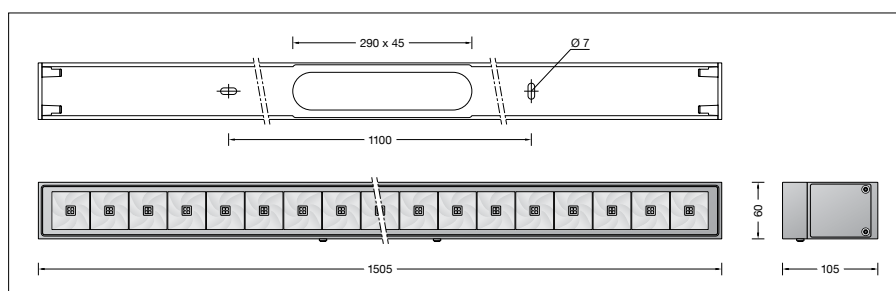
Date



Product data sheet

Product description

Luminaire made of aluminium alloy, aluminium and stainless steel
 BEGA Unidure® coating technology
 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, 1100 mm spacing
 2 screw cable glands with strain relief for through-wiring of the mains supply cable from $\varnothing 7,5$ –10,8 mm, max. 5 G 1,5²
 1 screw cable gland closed at the factory with a dummy plug
 Connecting terminal 2.5² with plug connection
 Earth conductor connection
 LED power supply unit
 220-240 V \sim 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
 – Conformity mark
 Weight: 9,2 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	47,4 W
Luminaire connected wattage	54,4 W
Rated temperature	$t_a = 25^\circ\text{C}$
Ambient temperature	$t_{a\text{ max}} = 50^\circ\text{C}$

24 314 K3

Module designation	6x LED-0771/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	8850 lm
Luminaire luminous flux	6955 lm
Luminaire luminous efficiency	127,8 lm/W

24 314 K4

Module designation	6x LED-0771/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	9090 lm
Luminaire luminous flux	7175 lm
Luminaire luminous efficiency	131,9 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 B50)
	100,000 h (L 90 B50)

Ambient temperature max. $t_a = 50^\circ\text{C}$ (100 %)

LED psu:	50,000 h
LED module:	51,000 h (L 80 B50)
	78,000 h (L 70 B50)

Inrush current

Inrush current: 53 A / 200 μs
 Maximum number of luminaires of this type per miniature circuit breaker:
 B 10 A: 8 luminaires
 B 16 A: 13 luminaires
 C 10 A: 8 luminaires
 C 16 A: 13 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:
 92–99–100–100–100

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.

Article No. 24 314

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

Light distribution

