

BEGA**24 310**

Ceiling mounted downlight



Project · Reference number

Date

Product data sheet

Application

Surface mounted LED downlight with symmetrical narrow beam light distribution. By arraying single luminaires in line light bands of different length can be arranged. A luminaire for linear illumination in interior and exterior application.

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 \varnothing 7,5-12,5 mm, max. $5 \times 1,5^{\square}$
 1 screw cable gland closed at the factory with a dummy plug
 Connecting terminal 2.5 $^{\square}$ 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
 A basic isolation exists between power cable and control line
 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: 6.3 kg

Inrush current

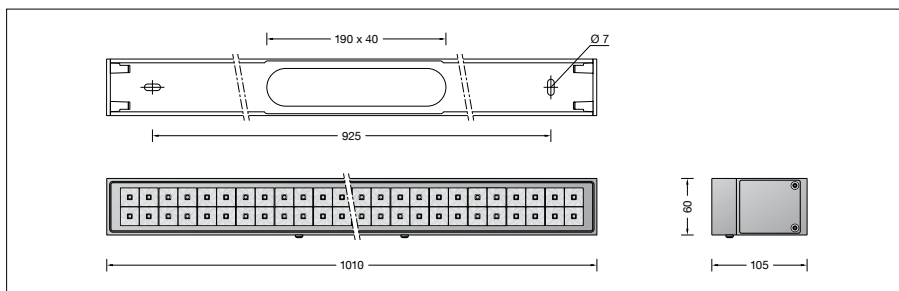
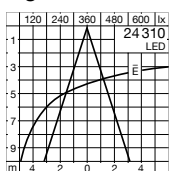
Inrush current: 20 A / 200 μ s
 Maximum number of luminaires of this type per miniature circuit breaker:

B10A: 14 luminaires
 B16A: 24 luminaires
 C10A: 14 luminaires
 C16A: 24 luminaires

Lighting technology

Half beam angle 34°
 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.

Light distribution



Lamp

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

24 310 K3

Module designation LED-0772/830
 Colour temperature 3000 K
 Colour rendering index CRI > 80
 Module luminous flux 5900 lm
 Luminaire luminous flux 3255 lm
 Luminaire luminous efficiency 91,4 lm/W

24 310 K4

Module designation LED-0772/840
 Colour temperature 4000 K
 Colour rendering index CRI > 80
 Module luminous flux 6060 lm
 Luminaire luminous flux 3347 lm
 Luminaire luminous efficiency 94 lm/W

Service life · Ambient temperature

Rated temperature $t_a = 25^{\circ}\text{C}$
 LED psu: > 50,000 h
 LED module: > 200,000 h (L80B50)
 100,000 h (L90B50)

Ambient temperature $t_{a \max} = 55^{\circ}\text{C}$ (100 %)

LED psu: 50,000 h
 LED module: 82,000 h (L80B50)
 100,000 h (L70B50)

Article No. 24 310

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