

BEGA**24 647**

Ceiling and wall luminaire



Project · Reference number

Date

Product data sheet

Application

Cast aluminium ceiling and wall luminaire with exceptionally high luminous efficiency. In combination with a reflector unit, the composite lens system delivers maximum transmission values and optimal visual comfort.

Product description

Luminaire made of aluminium alloy, aluminium and stainless steel
 BEGA Unidure® coating technology
 Safety glass with optical structure
 Reflector made of pure anodised aluminium
 Silicone gasket
 2 mounting holes \varnothing 6 mm
 Distance apart 188 mm
 2 screw cable glands with strain relief for through-wiring power connecting cable \varnothing 7–12 mm
 1 screw cable gland closed at the factory with a dummy plug
 Connection terminal 2.5[□]
 Earth conductor connection
 BEGA Ultimate Driver®
 LED power supply unit
 220-240 V \sim 0/50-60 Hz
 DC 176-276 V
 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
 Protection class IP 65
 Dust-tight and protection against water jets
 Impact strength IK06
 Protection against mechanical impacts < 1 joule
 – Safety mark
 – Conformity mark
 Weight: 2.3 kg
 This product contains light sources of energy efficiency class(es) C

Lamp

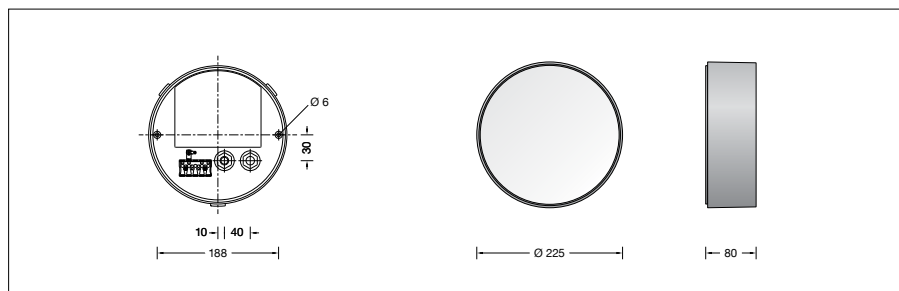
Module connected wattage	19.4 W
Luminaire connected wattage	22 W
Rated temperature	$t_a = 25\text{ °C}$
Ambient temperature	$t_{a\text{ max}} = 40\text{ °C}$

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Module designation	LED-1231/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	3385 lm
Luminaire luminous flux	2670 lm
Luminaire luminous efficiency	121,4 lm/W

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Module designation	LED-1231/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	3555 lm
Luminaire luminous flux	2804 lm
Luminaire luminous efficiency	127,5 lm/W



Service life · Ambient temperature

Rated temperature $t_a = 25\text{ °C}$	LED psu: > 50,000h
	LED module: 140,000h (L80B50)
Ambient temperature max. $t_a = 40\text{ °C}$ (100 %)	LED psu: 50,000h
	LED module: 120,000h (L80B50)

Ambient temperature max. $t_a = 50\text{ °C}$ (83 %)	LED psu: > 50,000h
	LED module: > 50,000h (L70B50)

BEGA Thermal Control® protects temperature-sensitive luminaire components by temporarily limiting the nominal power at high temperatures.

Lighting technology

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 the BEGA website at www.bega.com.

Inrush current

Inrush current: 1.2 A / 46 μ s
 Maximum number of luminaires of this type per miniature circuit breaker:
 B 10A: 50 luminaires
 B 16A: 80 luminaires
 C 10A: 50 luminaires
 C 16A: 80 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:
 1–0–1
 CEN Flux Code according to EN 13032-2:
 54–85–98–100–100

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

Colour optionally graphite or white
 Graphite – Article number
 White – Article number + **W**