

Project · Reference number

Date

Product data sheet

Application

Pendant luminaire with unshielded light for mounting in arcades, galleries and passageways. When installed in exterior applications, the luminaire must be protected from constant pendulum movement due to wind.

Product description

Luminaire made of aluminium alloy, aluminium and stainless steel
 BEGA Unidure® coating technology
 Colour white
 White synthetic sphere
 Silicone gasket
 4 drilled holes with thread M4 to which tension cables preventing pendulum movement can be fixed
 Cable pendant H05RN-F 5 G 1[□] with 2 steel cords · Colour black
 Overall length of luminaire approx. 4000 mm
 Mounting plate with 2 fixing holes $\varnothing$ 5.5 mm · 70 mm spacing
 2 cable entries for through-wiring of mains supply cable $\varnothing$ 7-10.5 mm, max. 5 G 1.5[□]
 Connecting terminal 2.5[□] with plug connection
 Earth conductor connection
 BEGA Ultimate Driver®
 LED power supply unit
 220-240 V $\sim$ 0/50-60 Hz
 DC 176-264 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 64
 Dust-tight and protection against splash water
 Impact strength IK10
 Protection against mechanical impacts < 20 joule
 **05** – Safety mark
 – Conformity mark
 Weight: 8.6 kg
 This product contains light sources of energy efficiency class(es) C

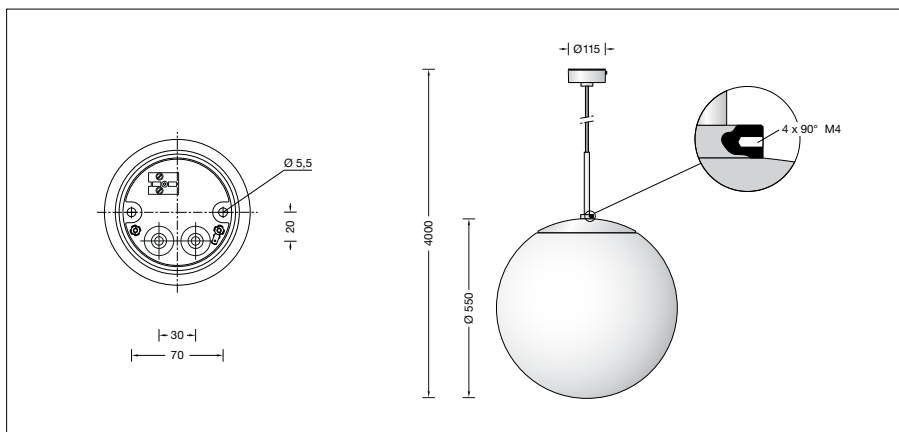
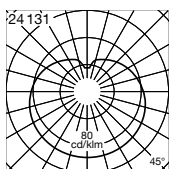
Inrush current

Inrush current: 5 A / 100 μ s
 Maximum number of luminaires of this type per miniature circuit breaker:

B 10A: 28 luminaires
 B 16A: 45 luminaires
 C 10A: 28 luminaires
 C 16A: 48 luminaires

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

Light distribution**Lamp**

Module connected wattage	45.6 W
Luminaire connected wattage	50.2 W
Rated temperature	$t_a = 25^\circ\text{C}$
Ambient temperature	$t_{a\text{max}} = 45^\circ\text{C}$

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Module designation	8x LED-0884/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	9160 lm
Luminaire luminous flux	8105 lm
Luminaire luminous efficiency	161,5 lm/W

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Module designation	8x LED-0884/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	9400 lm
Luminaire luminous flux	8317 lm
Luminaire luminous efficiency	165,7 lm/W

Service life · Ambient temperature

Rated temperature $t_a = 25^\circ\text{C}$	
LED psu:	> 50,000 h
LED module:	> 200,000 h (L80 B50) 100,000 h (L90 B50)

Ambient temperature max. $t_a = 45^\circ\text{C}$ (100 %)	
LED psu:	50,000 h
LED module:	72,000 h (L80 B50) 100,000 h (L70 B50)

Ambient temperature max. $t_a = 50^\circ\text{C}$ (90 %)	
LED psu:	> 50,000 h
LED module:	> 50,000 h (L70 B50)

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