

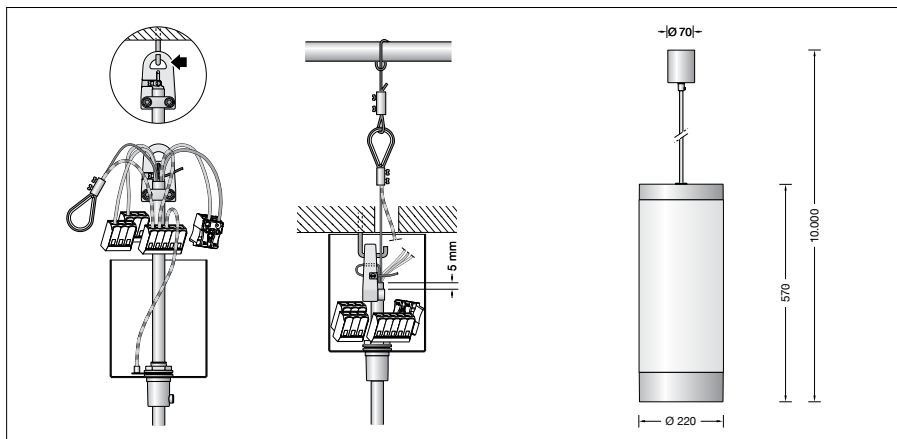
BEGA**50 610.1**

Pendant luminaire · Downlight for indoor use



Project · Reference number

Date



Product data sheet

Product description

Luminaire housing made of aluminium and metal canopy, finish colour white
 Hand-blown opal glass, white
 Reflector made of pure, high-gloss anodized aluminium
 Partially matt crystal glass · Downlight
 Crystal glass with light diffusing structure above
 Independently controlled light emission
 White flex suspension 5 x 0,75[□]
 with 2 steel messenger wires
 Overall length of luminaire approx. 10000 mm
 Connecting terminals 2,5[□]
 Earth conductor connection
 2-pole connecting terminal for digital control
 BEGA Ultimate Driver®
 Complies with flicker requirements in accordance with IEEE 1789,
 DIN IEC/TR 63158, DIN IEC/TR 61547-1
 3 LED power supply units
 220-240 V ~ 0/50-60 Hz
 DC 176-264 V
 individually
 DALI-controllable (DT8, RGBWAF, xy)
 Number of DALI addresses: 3
 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
 ⚡05 – Safety mark
 CE – Conformity mark
 Weight: 10.0 kg
 This product contains light sources of energy efficiency class(es) E, G

Inrush current

Inrush current: 5 A / 100 µs
 Maximum number of luminaires of this type per miniature circuit breaker:
 B10A: 18 luminaires
 B16A: 28 luminaires
 C10A: 18 luminaires
 C16A: 28 luminaires

Application

Enclosed and unshielded pendant luminaire · indoor luminaire for additive colour mixing RGBW with hand-blown opal glass and metal housing. A wide beam downlight creates the downward-directed light.
 Luminaire with additional light emission at the top. The unshielded light component and the light emitted upwards can be controlled separately via a DALI colour light control (DT 8, RGBWAF, xy). We recommend using BEGA DALI system components.

Lighting technology

Half beam angle 85°
 Luminaire data for the light planning program DIALux 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.

BEGA Constant Optics®

BEGA Constant Optics® is an efficient optical system that is virtually impervious to wear and tear. The durable materials used, including glass, pure aluminium and silicone, show no effects of ageing, even under extreme conditions like high temperatures and UV radiation.

Service life · Ambient temperature

Rated temperature $t_a = 25\text{ °C}$
 LED psu: > 50,000 h
 LED module: 160,000 h (L80 B50)

Ambient temperature max. $t_a = 25\text{ °C}$ (100 %)
 LED psu: 50,000 h
 LED module: 160,000 h (L80 B50)

Lamp

Opal glass

Module connected wattage	34.8 W
Luminaire connected wattage	39.5 W
Rated temperature	$t_a = 25\text{ °C}$
Ambient temperature	$t_{a\text{ max}} = 25\text{ °C}$

Module designation	4x LED-1179/RGBW
Luminaire luminous flux	1908 lm
Luminaire luminous efficiency	48,3 lm/W

Downlight

Module connected wattage	35.7 W
Downlight connected wattage	40 W
Rated temperature	$t_a = 25\text{ °C}$
Ambient temperature	$t_{a\text{ max}} = 25\text{ °C}$

K3

Module designation	LED-0785/930
Colour temperature	3000 K
Colour rendering index	$R_a > 90$
Module luminous flux	5150 lm
Luminaire luminous flux	4277 lm
Luminaire luminous efficiency	106,9 lm/W

K4

Module designation	LED-0785/940
Colour temperature	4000 K
Colour rendering index	$R_a > 90$
Module luminous flux	5225 lm
Luminaire luminous flux	4339 lm
Luminaire luminous efficiency	108,5 lm/W

Light emission upwards

Module connected wattage	15,6 W
Uplight connected wattage	18.5 W
Rated temperature	$t_a = 25\text{ °C}$
Ambient temperature	$t_{a\text{ max}} = 25\text{ °C}$

Module designation	2x LED-1179/RGBW
Luminaire luminous flux	1364 lm
Luminaire luminous efficiency	73,7 lm/W

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