

BEGA**50 281.1**

Ceiling and wall luminaire for indoor use



Project · Reference number



Date

Product data sheet

Application

LED ceiling and wall luminaire with very high light output, large and uniform light distribution and adjustable colour temperature (tunable white). Large-area luminaire with metal housing. The luminaire can be controlled via a DALI colour light control (DT 8, TW). We recommend our BEGA Control.

Product description

Luminaire housing made of aluminium
 Finish white enamel
 Crystal glass, inside white
 Silicone gasket
 4 cable entries for through-wiring for mains cable up to \varnothing 11 mm max. $5 \times 1.5^{\square}$
 Connection terminal 2.5^{\square}
 Earth conductor connection
 Connecting terminal for digital control
 LED power supply unit
 220-240 V \sim 0/50-60 Hz
 DC 176-280 V
 DC Start \geq 190 V
 DALI controllable (Device Type 8 for Tunable White according to IEC 62386-209)
 A basic isolation exists between power cable and control line
 Safety class I
 – Safety mark
 – Conformity mark
 Weight: 22.4 kg

Inrush current

Inrush current: 73 A / 189 μ s
 Maximum number of luminaires of this type per miniature circuit breaker:
 B10A: 5 luminaires
 B16A: 9 luminaires
 C10A: 9 luminaires
 C16A: 15 luminaires

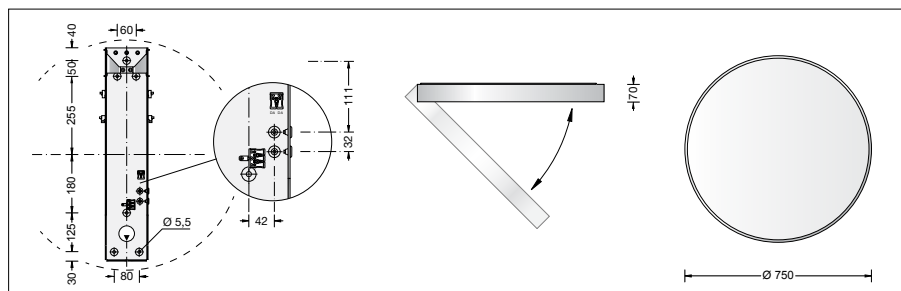
Lamp

Module connected wattage	103.2 W
Luminaire connected wattage	115.2 W
Rated temperature	$t_a = 25^{\circ}\text{C}$
Ambient temperature	$t_{a \text{ max}} = 45^{\circ}\text{C}$

Module designation	8x LED-0845/9TW
Colour temperature	adjust. 2700-6500 K
Colour rendering index	$R_a > 90$
Module luminous flux	17000 lm
Luminaire luminous flux	9293 lm
Luminaire luminous efficiency	80,7 lm/W

Setting the colour temperature

The LED colour temperature of the luminaire can be set from 2700 to 6500 K ("Tunable White"). Please note: To be able to set the LED colour temperature, the controller used must support DALI Device Type 8. If no LED colour temperature setting is made, 3000 K will be used by default.



Service life of the LED

Ambient temperature $t_a = 25^{\circ}\text{C}$
 – at > 500,000 h: L70B50

max. ambient temperature $t_a = 45^{\circ}\text{C}$
 – at 194,000 h: L70B50

Light technique

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 you will find on the BEGA web page www.bega.com.

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Optional finishes
 • White enamel
 • Stainless steel
 • Chrome

code number **.1**
 code number **.2**
 code number **.3**