

**BEGA****50 281.2**

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 stainless steel finish  
 Crystal glass, inside white  
 Silicone gasket  
 4 cable entries for through-wiring for mains cable up to  $\varnothing$  11 mm max. 5 x 1.5<sup>□</sup>  
 Connection terminal 2.5<sup>□</sup>  
 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: 13.5 kg

### Inrush current

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

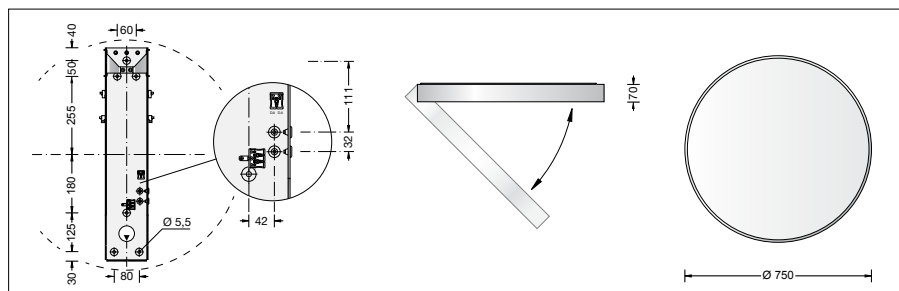
### Lamp

Module connected wattage	103.2 W
Luminaire connected wattage	115.2 W
Rated temperature	$t_a = 25$ °C
Ambient temperature	$t_{a \max} = 45$ °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  $t_a = 25$  °C  
 – at > 500,000 h: L70B50  
 max. ambient temperature  $t_a = 45$  °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](http://www.bega.com).

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Optional finishes  
 • White enamel  
 • Stainless steel  
 • Chrome

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