

**BEGA****50 878.1**

Ceiling luminaire for indoor use



Project · Reference number



Date

## Product data sheet

### Application

Free-radiating ceiling luminaire · indoor luminaire with crystal glass and aluminium alloy housing. With internal diffuser for a uniform light distribution.

### Product description

Aluminium alloy housing, finish Colour velvet white  
 Crystal glass with bayonet closure  
 Synthetic lens with light-diffusing white matt finish  
 2 mounting holes  $\varnothing$  4.5 mm  
 Distance apart 112 mm  
 The luminaire is suitable for through-wiring.  
 Connecting terminals 2.5<sup>□</sup>  
 Earth conductor connection  
 LED power supply unit  
 220-240 V  $\sim$  0/50-60 Hz  
 DC 176-280 V  
 DALI-controllable  
 Basic insulation is provided between the mains and control cables  
 BEGA Thermal Switch®  
 Temporary thermal shutdown to protect temperature-sensitive components  
 Safety class I  
 Impact strength IK05  
 Protection against mechanical impacts < 0.7 joule  
 – Safety mark  
 – Conformity mark  
 Weight: 1.2 kg  
 This product contains light sources of energy efficiency class(es) E

### Inrush current

Inrush current: 5 A / 50  $\mu$ s  
 Maximum number of luminaires of this type per miniature circuit breaker:  
 B 10A: 31 luminaires  
 B 16A: 50 luminaires  
 C 10A: 52 luminaires  
 C 16A: 85 luminaires

### Lighting technology

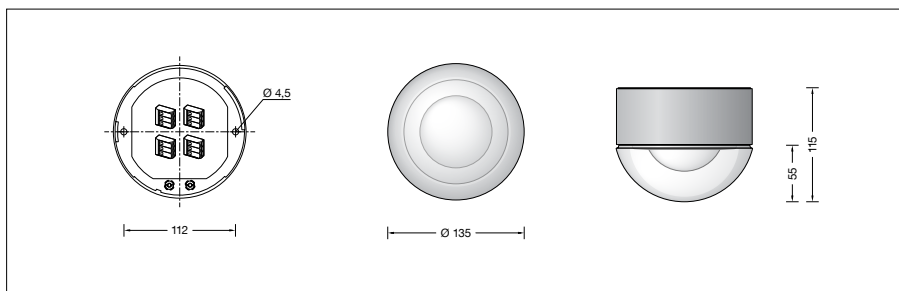
Luminaire data for the DIALux lighting design program for outdoor lighting, street lighting and indoor lighting, as well as luminaire data in EULUMDAT and IES format are available on the BEGA website at [www.bega.com](http://www.bega.com).

### Lamp

Module connected wattage	11.5 W
Luminaire connected wattage	13.5 W
Rated temperature	$t_a = 25$ °C
Ambient temperature	$t_{a,max} = 25$ °C

### 50 878.1 K3

Module designation	LED-0800/930
Colour temperature	3000 K
Colour rendering index	CRI > 90
Module luminous flux	1735 lm
Luminaire luminous flux	1082 lm
Luminaire luminous efficiency	80,1 lm/W



### Service life · Ambient temperature

Rated temperature $t_a = 25$ °C	
LED psu:	> 50,000 h
LED module:	> 200,000 h (L 80 B 50) 50,000 h (L 90 B 50)
Ambient temperature max. $t_a = 25$ °C (100 %)	
LED psu:	50,000 h
LED module:	> 200,000 h (L 80 B 50) 50,000 h (L 90 B 50)

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Optional finishes  
 • Velvet white  
 • Stainless steel

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