

**BEGA****50 231**

Large-area pendant luminaire for indoor use



Project · Reference number



Date

## Product data sheet

### Application

Large-area LED pendant luminaire · indoor luminaire with high light power, high uniform light distribution and adjustable colour temperature (Tunable White).  
Metal luminaire housing and 4 steel suspension wires.

### Product description

Large-area LED pendant luminaire »MAXIMA«  
Metal luminaire housing and metal canopy, finish white enamel  
Impact resistant synthetic diffuser, white  
Silicone gasket  
Transparent flex suspension 5 × 0,75 □  
Steel wire suspension  
Overall length of luminaire approx. 4000 mm  
Connecting terminal 2.5□  
with plug connection  
Earth conductor connection  
2-pole connecting terminal for digital control  
LED power supply unit  
220-240 V ~ 0/50-60 Hz  
DC 176-280 V  
DC Start ≥ 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: 33.5 kg

### Inrush current

Inrush current: 105 A / 189 μs  
Maximum number of luminaires of this type per miniature circuit breaker:  
B 10 A: 3 luminaires  
B 16 A: 6 luminaires  
C 10 A: 6 luminaires  
C 16 A: 10 luminaires

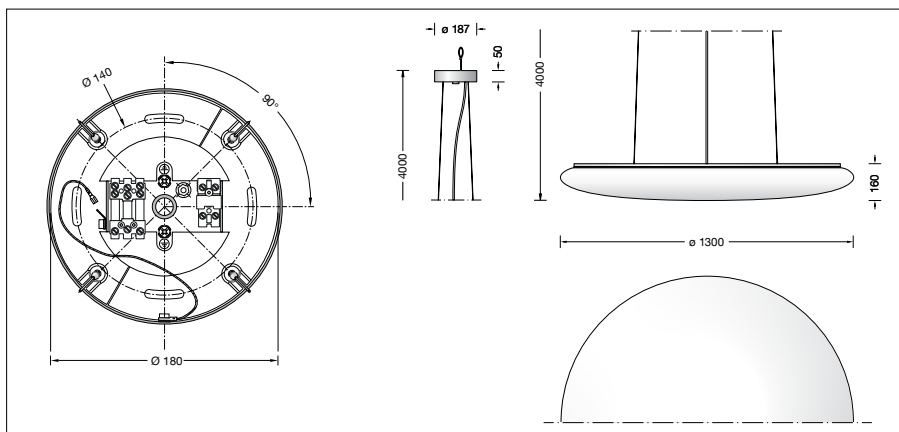
### Lamp

Module connected wattage	123.2 W
Luminaire connected wattage	144 W
Rated temperature	$t_a = 25 \text{ °C}$
Ambient temperature	$t_{a \text{ max}} = 40 \text{ °C}$

Module designation	8x LED-0702/9TW
Colour temperature	adjust. 2700 - 6500 K
Colour rendering index	$R_a > 90$
Module luminous flux	19360 lm
Luminaire luminous flux	15960 lm
Luminaire luminous efficiency	110,8 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.



### Lifetime of the LED

Ambient temperature  $t_a = 15 \text{ °C}$   
– at 50,000 h: L90B10  
– at > 500,000 h: L70B50

Ambient temperature  $t_a = 25 \text{ °C}$   
– at 50,000 h: L90B10  
– at > 500,000 h: L70B50

max. ambient temperature  $t_a = 40 \text{ °C}$   
– at 50,000 h: L90B10  
– at 332,000 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).