BEGA 50 230

Large-area pendant luminaire for indoor use

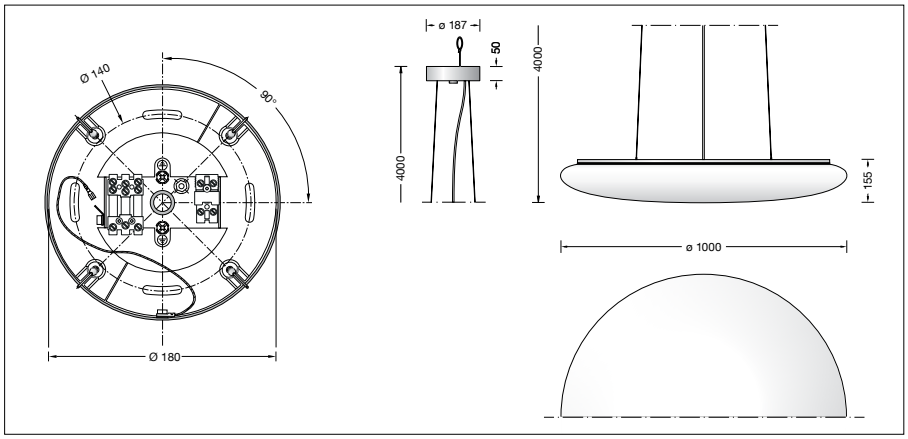
Project · Reference number

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
CE – Conformity mark
Weight: 17.5 kg



Inrush current
Inrush current: 73 A / 189 µs
Maximum number of luminaires of this type per miniature circuit breaker:
B 10 A: 5 luminaires
B 16 A: 9 luminaires
C 10 A: 9 luminaires
C 16 A: 15 luminaires

Lamp

Module connected wattage	100 W
Luminaire connected wattage	114 W
Rated temperature	t_a = 25 °C
Ambient temperature	$t_{a\,max}$ = 45 °C
Module designation	4x LED-0714/9TW
Colour temperature	adjust. 2700 - 6500 K
Colour rendering index	R_a > 90
Module luminous flux	15740 lm
Luminaire luminous flux	13010 lm
Luminaire luminous efficiency	114,1 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 °C
– at 50,000 h: L 90 B 10
– at > 500,000 h: L 70 B 50

Ambient temperature t_a = 25 °C
– at 50,000 h: L 90 B 10
– at 465,000 h: L 70 B 50

max. ambient temperature t_a = 45 °C
– at 50,000 h: L 70 B 10
– at 136,000 h: L 70 B 50

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.