# BEGA

**50 193**

Large-area luminaire for indoor use

| Project · Reference number | Date |
|---|---|

## Product data sheet

### Application
LED ceiling and wall luminaire · indoor luminaire made of impact resistant synthetic diffuser and metal housing.
Large-area luminaire with high light output, high uniform light distribution and adjustable colour temperature (Tunable White).

### Product description
Large-area LED luminaire »MAXIMA«
Metal luminaire mounting plate,
finish white enamel
Light-diffusing synthetic luminaire cover
Silicone gasket
Mounting plate with 2 key holes, pitch circle ø 220 mm and 3 elongated holes, pitch circle ø 1.090 mm, width 6 mm
Connecting terminals 2.5□ · Plug system
Earth conductor terminal
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
Impact strength IK10
Protection against mechanical impacts < 20 joule
⚡10 ⌂ – Safety mark
CE – Conformity mark

### 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 °C |
| Ambient temperature | $t_{a\,max}$ = 45 °C |

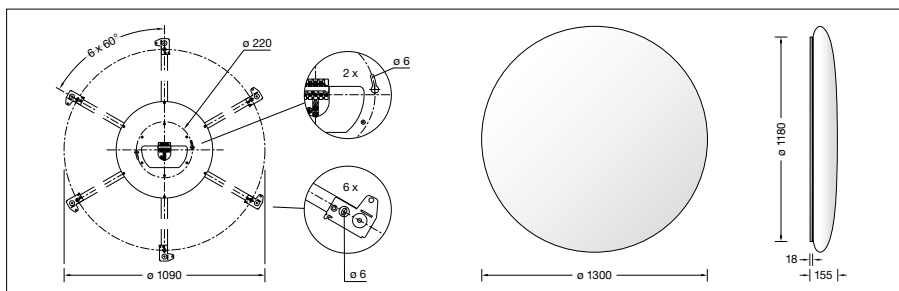| | |
|---|---|
| Module designation | 8x LED-0702/9TW |
| Colour temperature | adjust. 2700 - 6500 K |
| Colour rendering index | $R_a$ > 90 |
| Module luminous flux | 19360 lm |
| Luminaire luminous flux | 15960 lm |
| Luminaire luminous efficiency | 110,8 lm/W |

### 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.

### Service life · Ambient temperature
Ambient temperature $t_a$ = 25 °C
LED psu:        > 50,000 h
LED module:    > 200,000 h (L80 B50)
                    50,000 h (L90 B50)

Ambient temperature $t_a$ = 45 °C
LED psu:        50,000 h
LED module:    119,000 h (L80 B50)
                    50,000 h (L90 B50)

### 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.