

BEGA**50 192**

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 \varnothing 220 mm and 3 elongated holes,
pitch circle \varnothing 790 mm, width 6 mm

Connecting terminals 2.5² · Plug system

Earth conductor terminal

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

Impact strength IK10

Protection against mechanical
impacts < 20 joule

 – Safety mark

 – Conformity mark

Weight: 16.8 kg

Inrush current

Inrush current: 73 A / 189 μ s

Maximum number of luminaires of this
type per miniature circuit breaker:

B 10A: 5 luminaires

B 16A: 9 luminaires

C 10A: 9 luminaires

C 16A: 15 luminaires

Lamp

Module connected wattage 100 W

Luminaire connected wattage 114 W

Rated temperature $t_a = 25$ °C

Ambient temperature $t_{a,max} = 50$ °C

Module designation 4x LED-0714/9TW

Colour temperature adjust. 2700 - 6500 K

Colour rendering index $R_a > 90$

Module luminous flux 15740 lm

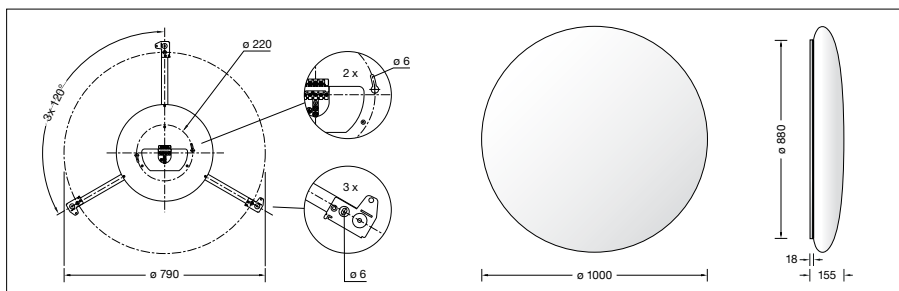
Luminaire luminous flux 13010 lm

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.



Service life · Ambient temperature

Ambient 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 $t_a = 50$ °C

LED psu: 50,000 h

LED module: 100,000 h (L 80 B 50)

50,000 h (L 90 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.