

**BEGA****50 797.6**

Large-area ceiling luminaire for indoor use

Project · Reference number

Date

## Product data sheet

**Application**

Large-area LED ceiling luminaire · indoor  
luminaire with high light power, high uniform  
light distribution and adjustable colour  
temperature (Tunable White). With metal  
luminaire shield for shielded light deflectetd  
downwards.

**Product description**

Large-area LED luminaire »STUDIO LINE«  
Aluminium housing shield,  
velvet white enamel finish  
Inside hue matt copper  
Metal luminaire mounting plate,  
finish white enamel  
Light-diffusing synthetic luminaire cover  
Silicone gasket  
Mounting round plate with 6 fixing holes,  
Angle 120° · pitch circle  $\varnothing$  1,090 mm and with 2  
fixing holes,  $\varnothing$  10 mm on pitch circle  $\varnothing$  450 mm  
Connecting terminals 2.5<sup>□</sup> · Plug system  
Earth conductor terminal  
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  
BEGA Thermal Switch®  
Temporary thermal shutdown to protect  
temperature-sensitive components  
Safety class I  
**CE** – Conformity mark  
Weight: 57.4 kg

**Inrush current**

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

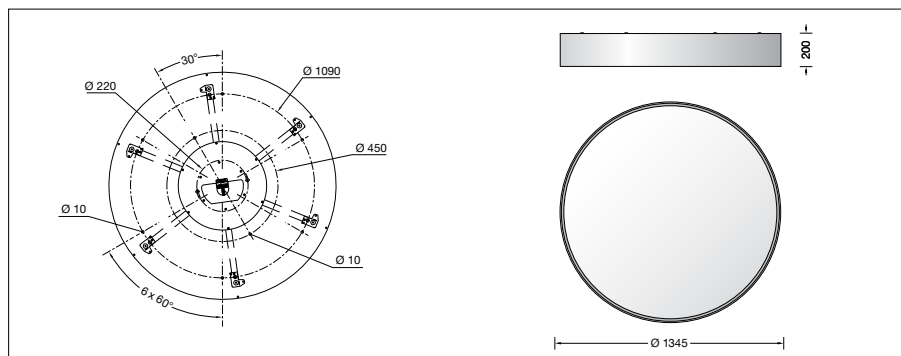
**Lamp**

Module connected wattage	123.2 W
Luminaire connected wattage	144 W
Rated temperature	$t_a = 25^\circ\text{C}$
Ambient temperature	$t_{a\text{ max}} = 45^\circ\text{C}$

Module designation	8 x LED-0702/9TW
Colour temperature	adjust. 2700 - 6500 K
Colour rendering index	$R_a > 90$
Module luminous flux	19360 lm
Luminaire luminous flux	13179 lm
Luminaire luminous efficiency	91,5 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**

Rated temperature $t_a = 25^\circ\text{C}$	
LED psu:	$> 50,000$ h
LED module:	$> 200,000$ h (L 80 B 50)
	50,000 h (L 90 B 50)

Ambient temperature $t_{a\text{ max}} = 45^\circ\text{C}$ (100 %)	
LED psu:	50,000 h
LED module:	119,000 h (L 80 B 50)
	50,000 h (L 90 B 50)

**Article No. 50 797.6**

Interior colour options

- white
- matt aluminium
- matt brass
- matt copper

Code number .1  
Code number .2  
Code number .4  
Code number .6

**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).