

**BEGA****50 643.1**

Ceiling luminaire for indoor use



Project · Reference number

Date

## Product data sheet

### Application

LED large-area luminaire · Indoor luminaire with high light output and with adjustable LED colour temperature (Tunable White) for installation on ceilings.

An optical system with a layer structure exactly matching our LED modules, consisting of micro-structured and light-directing levels to ensure glare-free light and a high degree of visual comfort.

A luminaire specially for glare-free office light in accordance with DIN EN 12464-1.

The luminaire can be controlled by DALI colour light control (DT8, TW).

We recommend our BEGA Control system for this purpose.

### Product description

Luminaire made of aluminium, steel and stainless steel

Finish white enamel

Installation frame made of aluminium and steel, galvanised and painted

Safety glass

4 mounting holes  $\varnothing$  6.5 mm

Distance 380 x 380 mm

Connecting terminal 2.5<sup>□</sup>

with plug connection

Earth conductor connection

LED power supply unit

220-240 V  $\sim$  0/50-60 Hz

DC 176-280 V

DALI controllable

A basic isolation exists between power cable and control line

Safety class I

Impact strength IK08

Protection against mechanical

impacts < 5 joule

– Safety mark

**CE** – Conformity mark

Weight: 10.0 kg

### Lamp

Module connected wattage 49.2 W

Luminaire connected wattage 57 W

Rated temperature  $t_a = 25\text{ °C}$

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

Module designation LED-0940/9TW

Colour temperature adjust. 2700 - 6000 K

Colour rendering index  $R_a > 90$

Module luminous flux 6210 lm

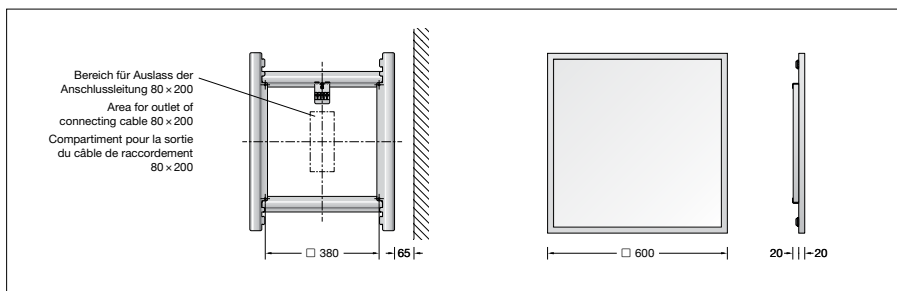
Luminaire luminous flux 4311 lm

Luminaire luminous efficiency 75,6 lm/W

### Setting the colour temperature

The LED colour temperature of the luminaire can be set from 2700 to 6000 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 of the LED

Ambient temperature  $t_a = 25\text{ °C}$

– at 269,000h: L70B50

max. ambient temperature  $t_a = 50\text{ °C}$

– at 64,000h: L70B50

### Article No. 50 643.1

LED colour temperature optionally 3000 K or 4000 K

3000 K – Article number + **K3**

4000 K – Article number + **K4**