

BEGA**50 269.1**

Recessed ceiling luminaire for indoor use



Project · Reference number

Date

Product data sheet

Application

Recessed LED ceiling luminaire · indoor luminaire with hand-blown crystal glass and metal housing and external LED power supply unit.

A focusing / dispersing lens bundles the powerful LED light in the centre of the reflector for a direct proportion of downlight. At the same time, a proportion of the dispersed light is used to illuminate the luminaire glass and to generate the vertical illuminance.

Luminaire with adjustable colour temperature (Tunable White).

The used LED technique offers durability and optimal light output with low power consumption at the same time.

For installation into ceilings with a shallow depth in interior areas.

Product description

Recessed LED ceiling luminaire · Downlight with a remote DALI controllable power supply unit

Luminaire housing made of metal

Metal ceiling frame ring finish white

Crystal glass with screw neck

Additional focusing / dispersing lens made of partially frosted crystal glass

Reflector made of pure, high-gloss anodized aluminium

Silicone gasket

Ceiling aperture \varnothing 208 mm

Free space installation depth required 45 mm

Fixing is achieved by using two adjustable wedge-shaped claws

Connecting terminal DA DA for digital control

LED power supply unit

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

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 II

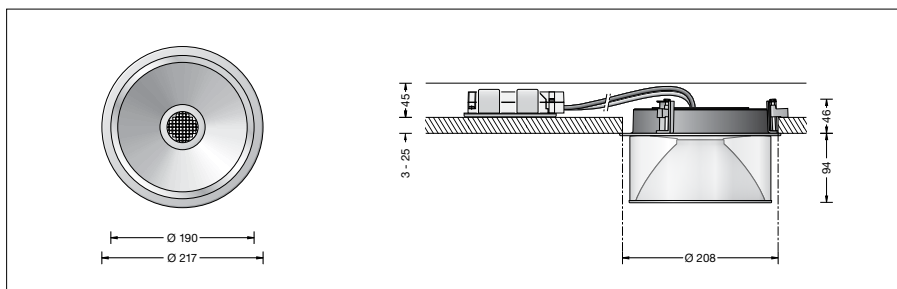
CE – Conformity mark

Weight: 1.8 kg

Lighting technology

Half beam angle 38° .

Luminaire data for the light planning program DIALux for outdoor lighting, street lighting and interior lighting as well as luminaire data in EULUMDAT and IES format are available on the BEGA website www.bega.com.



Lamp

Module connected wattage	21.4 W
Luminaire connected wattage	24.3 W
Rated temperature	$t_a = 25^\circ\text{C}$
Ambient temperature	$t_{a\text{max}} = 30^\circ\text{C}$

Module designation	LED-0700/9TW
Colour temperature	adjust. 2700 - 6500 K
Colour rendering index	$R_a > 90$
Module luminous flux	2440 lm
Luminaire luminous flux	1702 lm
Luminaire luminous efficiency	70 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 $t_a = 15^\circ\text{C}$
– at 50,000h: L90B10
– at 345,000h: L70B50

Ambient temperature $t_a = 25^\circ\text{C}$
– at 50,000h: L80B10
– at 186,000h: L70B50

max. ambient temperature $t_a = 30^\circ\text{C}$
– at 50,000h: L90B50
– at 139,000h: L70B50

Accessories

13018 Installation housing

For the accessories a separate instructions for use can be provided upon request.