

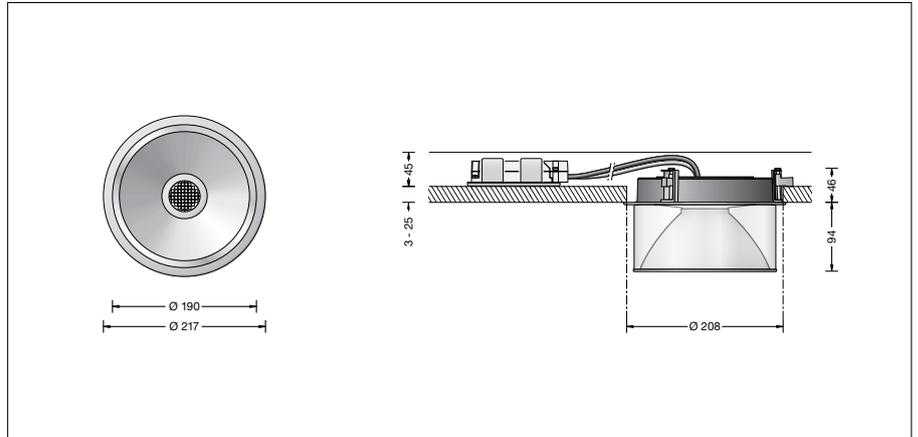
**BEGA****50 269.1**

Recessed ceiling luminaire for indoor use



Project · Reference number

Date



## Product data sheet

### Product description

Recessed LED ceiling luminaire · Downlight with a remote DALI controllable power supply unit  
 Luminaire housing made of metal  
 Ceiling trim ring made of metal, Colour white  
 Crystal glass with screw neck  
 Additional focusing / diffusing 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  
 2-pole connecting terminal for digital control  
 BEGA Ultimate Driver®  
 LED power supply unit  
 220-240 V  $\sim$  0/50-60 Hz  
 DC 176-264 V  
 During DC operation the LED power is reduced to 50 %  
 DALI controllable (Device Type 8 for Tunable White according to IEC 62386-209)  
 Number of DALI addresses: 1  
 A basic isolation exists between power cable and control line  
 BEGA Thermal Control®  
 Temporary thermal regulation to protect temperature-sensitive components without switching off the luminaire  
 Safety class II   
 – Safety mark  
 – Conformity mark  
 Weight: 1.8 kg  
 This product contains light sources of energy efficiency class(es) E

### Application

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

### Lamp

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

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.

### Lighting technology

Half beam angle  $46^\circ$   
 Luminaire data for the DIALux lighting design program for outdoor lighting, street lighting and indoor lighting, as well as luminaire data in EULUMDAT and IES format are available on our website at [www.bega.com](http://www.bega.com).

### Inrush current

Inrush current: 5 A / 100  $\mu\text{s}$   
 Maximum number of luminaires of this type per miniature circuit breaker:  
 B 10A: 40 luminaires  
 B 16A: 65 luminaires  
 C 10A: 40 luminaires  
 C 16A: 65 luminaires

### Service life · Ambient temperature

Rated temperature  $t_a = 25 \text{ }^\circ\text{C}$   
 LED psu:  $> 50,000 \text{ h}$   
 LED module: 127,000h (L80B50)  
 50,000h (L90B50)  
 Ambient temperature max.  $t_a = 30 \text{ }^\circ\text{C}$  (100 %)  
 LED psu: 50,000h  
 LED module: 94,000h (L80B50)  
 50,000h (L90B50)

### BEGA Constant Optics®

BEGA Constant Optics® is an efficient optical system that is virtually impervious to wear and tear. The durable materials used, including glass, pure aluminium and silicone, show no effects of ageing, even under extreme conditions like high temperatures and UV radiation.

### Accessories

#### 13018 Installation housing

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

#### Article No. 50 269.1

Finish options

- White
- Stainless steel

Code number .1  
 Code number .2

### Light distribution

