

**BEGA****50 453.1**

Recessed ceiling luminaire for indoor use



Project · Reference number

Date

## Product data sheet

### Application

LED recessed ceiling downlight · Interior luminaire with asymmetrical light distribution for connection to an external LED power supply unit.  
For surface mounted installation in suspended ceilings in interior of 5-25 mm.

### Product description

LED recessed luminaire without power supply unit  
Luminaire housing made of cast aluminium  
Installation housing is made of glass fibre reinforced synthetic material (polyamide) with 2 fastening springs  
Reflector surface made of pure aluminium  
Light-diffusing silicone lens  
Metal ceiling frame ring, finish white enamel  
Safety glass  
Recessed opening  $\varnothing$  184 mm  
Recessed depth required 130 mm  
1 connecting cable with strain relief and plug connector system for BEGA power supply unit, on/off or DALI  
Safety class III   
**CE** – Conformity mark

### Lighting technology

Half beam angle 46/70°  
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 our website [www.bega.com](http://www.bega.com).

### Lamp

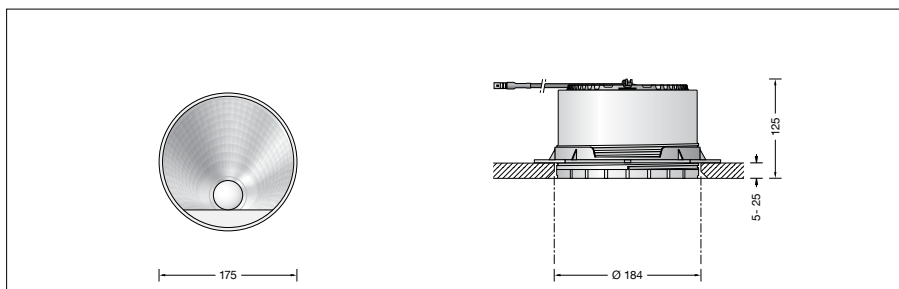
Module connected wattage	25 W
Luminaire connected wattage	29 W
Rated temperature	$t_a = 25 \text{ }^\circ\text{C}$
Ambient temperature	$t_{a \text{ max}} = 35 \text{ }^\circ\text{C}$

### 50 453.1 K3

Module designation	LED-0785/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	4365 lm
Luminaire luminous flux	3350 lm
Luminaire luminous efficiency	115,5 lm/W

### 50 453.1 K4

Module designation	LED-0785/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	4480 lm
Luminaire luminous flux	3438 lm
Luminaire luminous efficiency	118,6 lm/W



### Lifetime of the LED

Ambient temperature  $t_a = 15 \text{ }^\circ\text{C}$   
– at 50,000 h: L90 B50  
– at 290,000 h: L70 B50

Ambient temperature  $t_a = 25 \text{ }^\circ\text{C}$   
– at 50,000 h: L80 B10  
– at 250,000 h: L70 B50

max. ambient temperature  $t_a = 35 \text{ }^\circ\text{C}$   
– at 50,000 h: L80 B10  
– at 200,000 h: L70 B50

### Article No. 50 453.1

LED colour temperature optionally 3000 K or 4000 K  
3000 K – Article number + **K3**  
4000 K – Article number + **K4**

### Accessories

Power supply units for LED luminaires 220-240 V · 0/50-60 Hz with strain relief and plug connector system.

**13 145** Power supply unit on/off  
**13 171** Power supply unit DALI

The power supply units are only suitable for the operation of one LED luminaire.

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