

**BEGA****50 385.1**

Recessed ceiling luminaire for indoor use



Project · Reference number

Date

## Product data sheet

### Application

Recessed LED-ceiling luminaire · indoor luminaire with symmetrical wide beam light distribution for connection to external LED power supply unit. For flush installation in indoor suspended ceilings of 5-25 mm thickness.

### Product description

LED recessed luminaire without power supply unit  
Luminaire housing made of cast aluminium  
The recessed housing is made of glass fibre reinforced synthetic material (polyamide).  
Centre-plate made of rigid polystyrene foam  
Reflector surface made of pure aluminium  
Optical 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 58°  
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

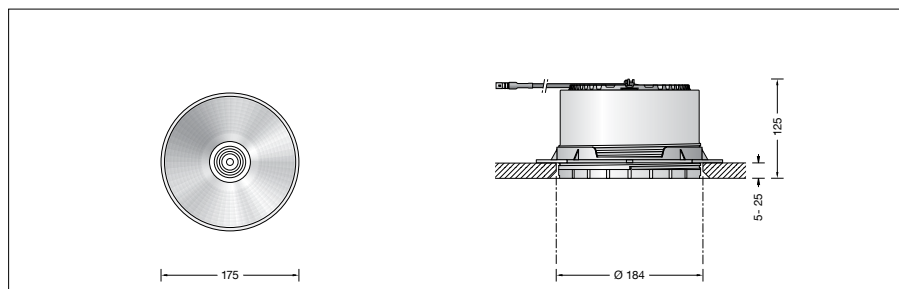
Module connected wattage	17.2 W
Luminaire connected wattage	20 W
Rated temperature	$t_a = 25\text{ °C}$
Ambient temperature	$t_{a\text{ max}} = 40\text{ °C}$
When installed in heat-insulating material	$t_{a\text{ max}} = 25\text{ °C}$

### 50 385.1 K3

Module designation	LED-0785/930
Colour temperature	3000 K
Colour rendering index	CRI > 90
Module luminous flux	2655 lm
Luminaire luminous flux	2246 lm
Luminaire luminous efficiency	112,3 lm/W

### 50 385.1 K4

Module designation	LED-0785/940
Colour temperature	4000 K
Colour rendering index	CRI > 90
Module luminous flux	2695 lm
Luminaire luminous flux	2280 lm
Luminaire luminous efficiency	114 lm/W



### Lifetime of the LED

Ambient temperature  $t_a = 15\text{ °C}$   
– at 50,000 h: L90 B10  
– at 370,000 h: L70 B50

Ambient temperature  $t_a = 25\text{ °C}$   
– at 50,000 h: L90 B10  
– at 310,000 h: L70 B50

max. ambient temperature  $t_a = 40\text{ °C}$   
– at 50,000 h: L90 B10  
– at 310,000 h: L70 B50

### Article No. 50 385.1

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.

**13 144** Power supply unit on/off  
**13 170** 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.