

**BEGA****50 440.1**

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  $\varnothing$  146 mm  
Recessed depth required 105 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 45/60°

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](http://www.bega.com).

### Lamp

Module connected wattage	16.8 W
Luminaire connected wattage	19.5 W
Rated temperature	$t_a = 25\text{ °C}$
Ambient temperature	$t_{a\text{ max}} = 30\text{ °C}$
When installed in heat-insulating material	$t_{a\text{ max}} = 25\text{ °C}$

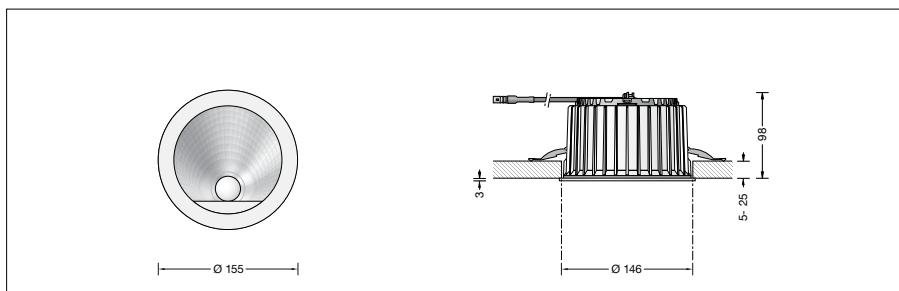
### 50 440.1 K3

Module designation	LED-0800/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	2850 lm
Luminaire luminous flux*	2045 lm
Luminaire luminous efficiency*	104,9 lm/W

### 50 440.1 K4

Module designation	LED-0800/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	2920 lm
Luminaire luminous flux*	2094 lm
Luminaire luminous efficiency*	107,4 lm/W

\* preliminary data



### Lifetime of the LED

Ambient temperature  $t_a = 15\text{ °C}$   
– at 50,000 h: L 80 B 10  
– at 200,000 h: L 70 B 50

Ambient temperature  $t_a = 25\text{ °C}$   
– at 50,000 h: L 80 B 10  
– at 170,000 h: L 70 B 50

max. ambient temperature  $t_a = 30\text{ °C}$   
– at 50,000 h: L 80 B 10  
– at 170,000 h: L 70 B 50

### Article No. 50 440.1

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

### Optional finishes

- White enamel code number **.1**
- Stainless steel code number **.2**
- Chrome code number **.3**

### 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.