

**BEGA****50 444.1**

Recessed ceiling luminaire for indoor use



Project · Reference number

Date

**Product data sheet****Application**

LED recessed ceiling downlight · Interior luminaire with symmetrical narrow beam light distribution for connection to an 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 19°

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  $t_{a \text{ max}} = 45 \text{ }^\circ\text{C}$

When installed in heat-insulating material  $t_{a \text{ max}} = 25 \text{ }^\circ\text{C}$

**50 444.1 K3**

Module designation LED-0785/830

Colour temperature 3000 K

Colour rendering index CRI > 80

Module luminous flux 4365 lm

Luminaire luminous flux 3807 lm

Luminaire luminous efficiency 131,3 lm/W

**50 444.1 K4**

Module designation LED-0785/840

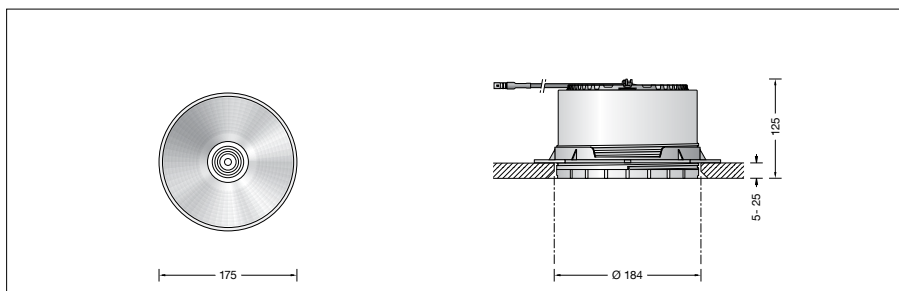
Colour temperature 4000 K

Colour rendering index CRI > 80

Module luminous flux 4480 lm

Luminaire luminous flux 3907 lm

Luminaire luminous efficiency 134,7 lm/W

**Lifetime of the LED**

Ambient temperature  $t_a = 15 \text{ }^\circ\text{C}$

– at 50,000 h: L80 B10

– at 240,000 h: L70 B50

Ambient temperature  $t_a = 25 \text{ }^\circ\text{C}$

– at 50,000 h: L80 B10

– at 190,000 h: L70 B50

max. ambient temperature  $t_a = 45 \text{ }^\circ\text{C}$

– at 50,000 h: L80 B10

– at 190,000 h: L70 B50

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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.