

**BEGA****50 443.1**

Recessed ceiling downlight for indoor use



Project · Reference number

Date

## Product data sheet

### Application

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

### Product description

Recessed luminaire without power supply unit  
Luminaire housing made of cast aluminium  
The recessed housing is made of glass fibre reinforced synthetic material

Centre-plate made of rigid polystyrene foam  
Reflector surface made of pure aluminium  
Optical silicone lens · BEGA Hybrid Optics®  
Ceiling trim ring made of metal, Colour white  
Safety glass

Recessed opening  $\varnothing$  142 mm

Required installation depth 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

Weight: 0.8 kg

This product contains light sources of energy efficiency class(es) D

### Lighting technology

Half beam angle 14°

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).

### Lamp

Module connected wattage 16.8 W

Luminaire connected wattage 19.5 W

Rated temperature  $t_a = 25\text{ °C}$

Ambient temperature  $t_{a\text{max}} = 30\text{ °C}$

### 50 443.1 K3

Module designation LED-0800/830

Colour temperature 3000 K

Colour rendering index CRI > 80

Module luminous flux 2850 lm

Luminaire luminous flux 2269 lm

Luminaire luminous efficiency 116,4 lm/W

### Service life · Ambient temperature

Rated temperature  $t_a = 25\text{ °C}$

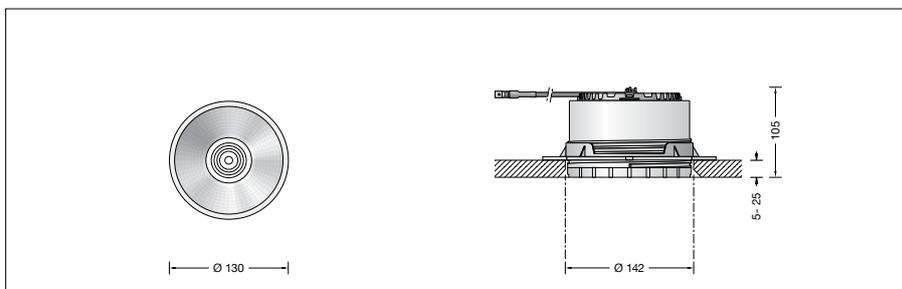
LED psu: > 50,000 h

LED module: 170,000 h (L.80 B.50)  
50,000 h (L.90 B.50)

Ambient temperature max.  $t_a = 30\text{ °C}$  (100 %)

LED psu: 50,000 h

LED module: 160,000 h (L.80 B.50)



### BEGA Hybrid Optics®

BEGA Hybrid Optics® offers complete lighting control thanks to optimized refraction and reflection. Precisely calculated reflectors with a pure aluminium surface and lenses, for example made of ultra-clear silicone or glass, capture almost every single light beam emitted by the LED modules. Maximum light efficiency is achieved via the synergy between lens and reflector technology.

### 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.

### Light distribution

