

BEGA**50 003.1**

Recessed ceiling luminaire for indoor use

IP 65

Project · Reference number

Date

Product data sheet**Application**

LED recessed ceiling luminaire · indoor luminaire with crystal glass for wide beam light. The used LED technique offers durability and optimal light output with low power consumption at the same time.

For installation in suspended ceilings of 10-45 mm in interior applications.

A remote power supply unit is required to operate this luminaire.

If this luminaire should be integrated into a LCN or ZigBee controlled building management system we recommend our BEGA Control light control system.

Product description

LED recessed luminaire without power supply unit

Luminaire made of cast aluminium, aluminium and stainless steel

Partially matt crystal glass with screw neck
Silicone gasket

Reflector made of pure anodised aluminium
Ceiling frame ring with optional finish:

Metal white Reference number **.1**

Stainless steel Reference number **.2**

polished stainless steel Reference number **.3**

Luminaire housing with 2 fixing claws and guide screws

Ceiling aperture \varnothing 128 mm

Free space installation depth required 90 mm

0,5 m mains supply cable A05VV-F 2x0,5[□] with plug

Safety class III ⚡

Protection class IP 65

Dust-tight and protection against water jets

Impact strength IK06

Protection against mechanical

impacts < 1 joule

CE – Conformity mark

Lighting technology

Half beam angle 49°.

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.

Lamp

Module connected wattage 17,5 W

Luminaire connected wattage 22 W

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

Ambient temperature $t_{a\text{max}} = 25^\circ\text{C}$

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Module designation LED-0443/830

Colour temperature 3000 K

Colour rendering index $R_a > 80$

Module luminous flux 2120 lm

Luminaire luminous flux 871 lm

Luminaire luminous efficiency 39,6 lm/W

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Module designation LED-0443/840

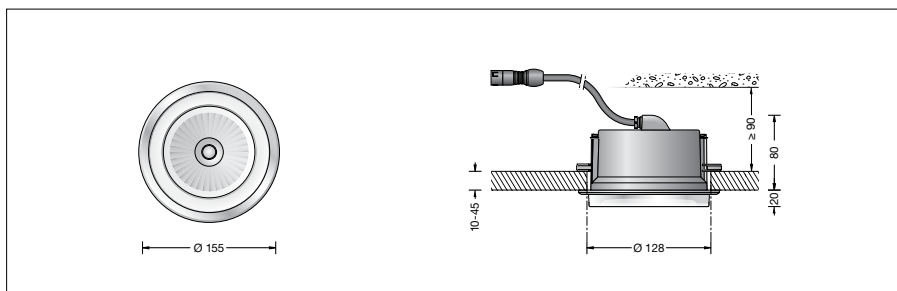
Colour temperature 4000 K

Colour rendering index $R_a > 80$

Module luminous flux 2220 lm

Luminaire luminous flux 912 lm

Luminaire luminous efficiency 41,5 lm/W

**Lifetime of the LED**

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

– at 50,000h: L90B50

– at 220,000h: L70B50

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

– at 50,000h: L80B10

– at 160,000h: L70B50

max. ambient temperature $t_a = 25^\circ\text{C}$

– at 50,000h: L80B10

– at 160,000h: L70B50

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LED colour temperature optionally 3000K or 4000K

3000 K – Article number

4000 K – Article number + **K4**

Finish options

- Enamel, white Code number **.1**
- Stainless steel Code number **.2**
- Polished stainless steel Code number **.3**

Accessories

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

10 527 Power supply unit dimmable 1-10 V

10 528 Power supply unit DALI

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

10 441 Installation housing

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