

BEGA**50 430.1**

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 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
Optical silicone lens
Metal ceiling frame ring, finish white enamel
Safety glass
Recessed opening \varnothing 130 mm
Recessed depth required 95 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 21°
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.

Lamp

| | |
|-----------------------------|--------------------------------------|
| Module connected wattage | 11.5 W |
| Luminaire connected wattage | 13.5 W |
| Rated temperature | $t_a = 25^\circ\text{C}$ |
| Ambient temperature | $t_{a\text{max}} = 35^\circ\text{C}$ |

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| | |
|-------------------------------|-------------|
| Module designation | LED-800/830 |
| Colour temperature | 3000 K |
| Colour rendering index | CRI > 80 |
| Module luminous flux | 2025 lm |
| Luminaire luminous flux | 1707 lm |
| Luminaire luminous efficiency | 126,4 lm/W |

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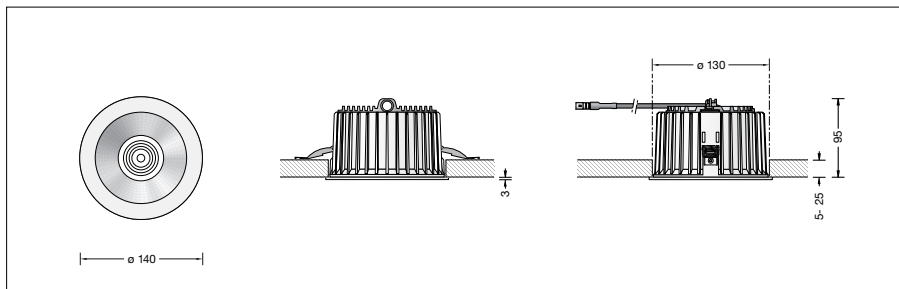
| | |
|-------------------------------|-------------|
| Module designation | LED-800/840 |
| Colour temperature | 4000 K |
| Colour rendering index | CRI > 80 |
| Module luminous flux | 2080 lm |
| Luminaire luminous flux | 1753 lm |
| Luminaire luminous efficiency | 129,9 lm/W |

Lifetime of the LED

Ambient temperature $t_a = 15^\circ\text{C}$
– at 50,000h: L90B10
– at 420,000h: L70B50

Ambient temperature $t_a = 25^\circ\text{C}$
– at 50,000h: L90B10
– at 350,000h: L70B50

max. ambient temperature $t_a = 35^\circ\text{C}$
– at 50,000h: L90B50
– at 290,000h: L70B50



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
13 169 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.

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

Optional finishes

- White enamel
- Stainless steel
- Chrome

code number **.1**
code number **.2**
code number **.3**