

BEGA**50 417.1**

Recessed ceiling luminaire for indoor use



Project · Reference number

Date

Product data sheet

Application

LED recessed ceiling luminaire · indoor luminaire with adjustable light distribution. 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

Recessed LED luminaire without power supply unit
Luminaire housing made of aluminium alloy
Metal cover ring
Finish white enamel
Safety glass with optical structure
Silicone gasket
Luminaire housing with 3 fixing claws and guide screws
Recessed opening \varnothing 202 mm
Recessed depth required 140 mm
1 connecting cable with strain relief and plug connector system for BEGA power supply unit, dimmable 1-10 V or DALI
0,5 m mains supply cable A05VV-F 2 x 0,5² with plug
Safety class III
CE – Conformity mark
Weight: 1.9 kg

Lamp

Module connected wattage	11.5 W
Luminaire connected wattage	13.8 W
Rated temperature	$t_a = 25^\circ\text{C}$
Ambient temperature	$t_{a\text{max}} = 40^\circ\text{C}$

50 417.1 K3

Module designation	LED-0833/930
Colour temperature	3000 K
Colour rendering index	CRI > 90
Module luminous flux	1500 lm
Luminaire luminous flux	738 lm
Luminaire luminous efficiency	53,5 lm/W

50 417.1 K4

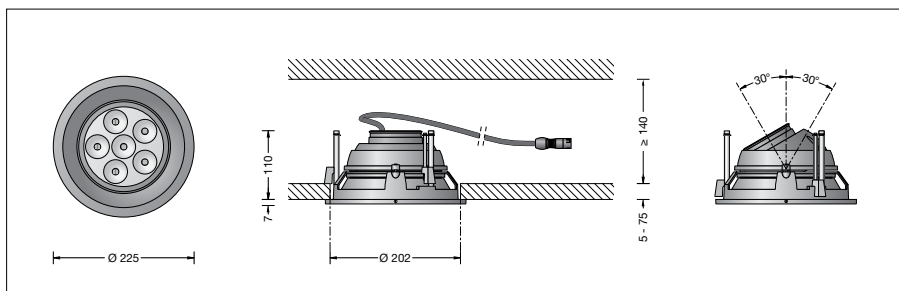
Module designation	LED-0833/940
Colour temperature	4000 K
Colour rendering index	CRI > 90
Module luminous flux	1650 lm
Luminaire luminous flux	811 lm
Luminaire luminous efficiency	58,8 lm/W

Lifetime of the LED

Ambient temperature $t_a = 15^\circ\text{C}$
– at 50,000h: L90B10
– at 200,000h: L70B50

Ambient temperature $t_a = 25^\circ\text{C}$
– at 50,000h: L90B10
– at 200,000h: L70B50

max. ambient temperature $t_a = 40^\circ\text{C}$
– at 50,000h: L90B10
– at 200,000h: L70B50



Light technique

Recessed luminaire with adjustable optical system.

Optical system 0-30° swivel-mounted and $\pm 180^\circ$ infinitely rotatable.

Narrow beam rotationally symmetrical light distribution. Half beam angle 20°

By changing the diffuser lense it is possible to alter the symmetrical light distribution into a wide beam or flat beam light distribution.

For wide beam light distribution:

Diffuser lens **10047**, half beam angle 40°

For flat beam light distribution:

Diffuser lens **10016**, half beam angle 17/55°

Light cone $\pm 90^\circ$ rotatable.

Article No. 50 417.1

LED colour temperature optionally 3000K or 4000K

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.

13034 Power supply unit dimmable 1-10 V

13035 Power supply unit DALI

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

10443 Installation housing

10047 Exchangeable lens wide beam

10016 Exchangeable lens flat beam

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