

Project · Reference number

Date

Application

Recessed LED ceiling luminaire with narrow beam light distribution. 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 or exterior applications. 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 with a remote non-dimmable power supply unit
Luminaire made of aluminium alloy, aluminium and stainless steel
End ring made of stainless steel
Steel grade no. 1.4401
Clear safety glass
Silicone gasket
Reflector made of anodised pure aluminium
Luminaire housing with 2 fixing claws and guide screws
Ceiling aperture \varnothing 71 mm
Recessed depth required 75 mm
Connecting compartment with 2 cable entries for through-wiring of the mains supply cable up to \varnothing 8-10mm max. $3 \times 1.5^{\square}$
1 screw cable gland factory-closed with sealing plug
Connecting terminals 2.5^{\square}
LED power supply unit
220-240 V \sim 0/50-60 Hz
DC 176-264 V
DC Start \geq 198 V
Safety class II 
Protection class IP 65
Dust-tight and protection against water jets
CE – Conformity mark
Weight: 0.35 kg

Lamp

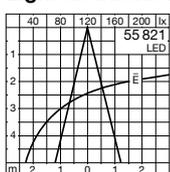
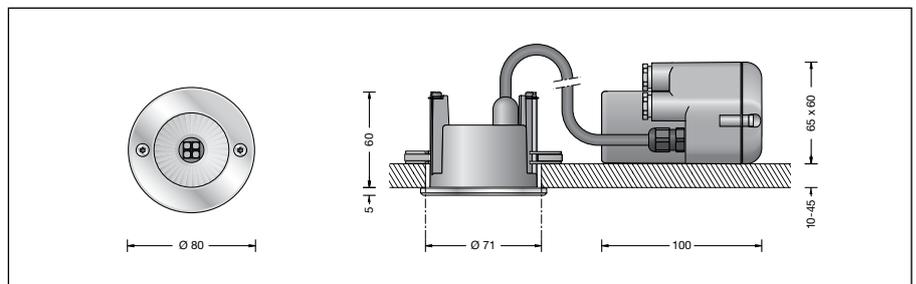
Module connected wattage 4.2 W
Luminaire connected wattage 6 W
Rated temperature $t_a = 25^{\circ}\text{C}$
Ambient temperature $t_{a\text{max}} = 45^{\circ}\text{C}$

55 821

Module designation LED-0458/830
Colour temperature 3000 K
Colour rendering index $R_a > 80$
Module luminous flux 490 lm
Luminaire luminous flux 322 lm
Luminaire luminous efficiency 53,7 lm/W

55 821 K4

Module designation LED-0458/840
Colour temperature 4000 K
Colour rendering index $R_a > 80$
Module luminous flux 525 lm
Luminaire luminous flux 344 lm
Luminaire luminous efficiency 57,3 lm/W

Light distributionwww.bega.com**Lifetime of the LED**

Ambient temperature $t_a = 15^{\circ}\text{C}$
– at 50,000h: L90B10
– at > 400,000h: L70B50

Ambient temperature $t_a = 25^{\circ}\text{C}$
– at 50,000h: L90B10
– at 370,000h: L70B50

max. ambient temperature $t_a = 45^{\circ}\text{C}$
– at 50,000h: L90B50
– at 210,000h: L70B50

Inrush current

Inrush current: 15 A / 175 μs
Maximum number of luminaires of this type per miniature circuit breaker:
B10A: luminaires
B16A: luminaires
C10A: luminaires
C16A: luminaires

Light technique

Half beam angle 28° .
Luminaire data for the light planning program DIALux for outdoor lighting, street lighting and indoor lighting as well as luminaire data in EULUMDAT and IES-format you will find on the BEGA web page www.bega.com.

Article No. 55 821

Colour temperature 3000 K.
Also available with 4000 K on request.
3000 K – article number
4000 K – article number + **K4**

Accessories

10407 Installation housing

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