

BEGA**55 921**

Recessed ceiling luminaire

IP 65

Project · Reference number

Date

Product data sheet

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 with safety glass and reflector – twist-locking
Clear safety glass
Silicone gasket
Reflector made of pure anodised aluminium
Luminaire housing with 2 fixing claws and guide screws
Recessed opening \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 8-10 mm 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
Safety class II \square
Protection class IP 65
Dust-tight and protection against water jets
Impact strength IK10
Protection against mechanical impacts < 20 joule
CE – Conformity mark
Weight: 0.25 kg

Lamp

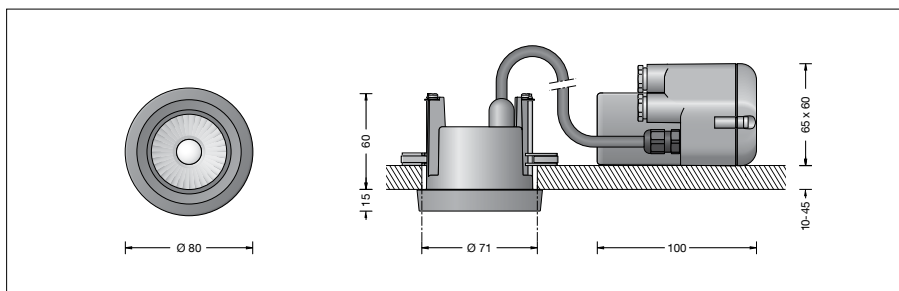
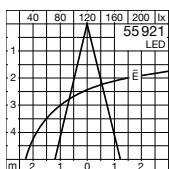
Module connected wattage 3 W
Luminaire connected wattage 4.5 W
Rated temperature $t_a = 25^{\circ}\text{C}$
Ambient temperature $t_{a\text{max}} = 45^{\circ}\text{C}$

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Module designation LED-0458/830
Colour temperature 3000 K
Colour rendering index $R_a > 80$
Module luminous flux 525 lm
Luminaire luminous flux 325 lm
Luminaire luminous efficiency 72,2 lm/W

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Module designation LED-0458/840
Colour temperature 4000 K
Colour rendering index $R_a > 80$
Module luminous flux 535 lm
Luminaire luminous flux 331 lm
Luminaire luminous efficiency 73,6 lm/W

Light distribution**Lifetime of the LED**

Ambient temperature $t_a = 15^{\circ}\text{C}$
– at 50,000h: L90B10
– at > 500,000h: L70B50

Ambient temperature $t_a = 25^{\circ}\text{C}$
– at 50,000h: L90B10
– at 399,000h: L70B50

max. ambient temperature $t_a = 45^{\circ}\text{C}$
– at 50,000h: L90B50
– at 159,000h: L70B50

Inrush current

Inrush current: 27 A / 250 μs
Maximum number of luminaires of this type per miniature circuit breaker:

B10A: 17 luminaires
B16A: 27 luminaires
C10A: 28 luminaires
C16A: 45 luminaires

Lighting technology

Half beam angle 28° .
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.

Article No. 55 921

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

Colour graphite or white
graphite – article number
white – article number + **W**

Accessories

10 407 Installation housing

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