

BEGA**55 822**

Recessed ceiling luminaire

IP 65

Project · Reference number

Date

Product data sheet

Application

Recessed LED ceiling luminaire with broad spread 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 pure anodised 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 8-10 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
CE – Conformity mark
 Weight: 0.35 kg

Lamp

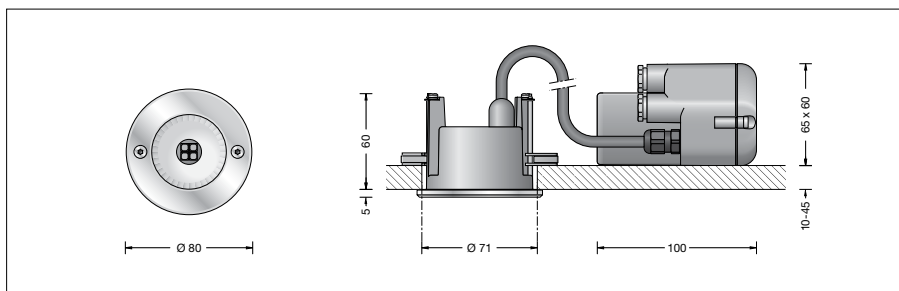
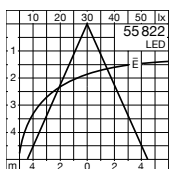
Module connected wattage	4.2 W
Luminaire connected wattage	6 W
Rated temperature	$t_a = 25^{\circ}\text{C}$
Ambient temperature	$t_{a\text{max}} = 45^{\circ}\text{C}$

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Module designation	LED-0458/930
Colour temperature	3000 K
Colour rendering index	$R_a > 90$
Module luminous flux	525 lm
Luminaire luminous flux	315 lm
Luminaire luminous efficiency	52,5 lm/W

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Module designation	LED-0458/940
Colour temperature	4000 K
Colour rendering index	$R_a > 90$
Module luminous flux	545 lm
Luminaire luminous flux	327 lm
Luminaire luminous efficiency	54,5 lm/W

Light distribution**Lifetime of the LED**

Ambient temperature $t_a = 15^{\circ}\text{C}$
 – at 50,000h: L90B50
 – at 282,000h: L70B50

Ambient temperature $t_a = 25^{\circ}\text{C}$
 – at 50,000h: L80B10
 – at 154,000h: L70B50

max. ambient temperature $t_a = 45^{\circ}\text{C}$
 – at 50,000h: L70B50
 – at 51,000h: 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

Light technique

Half beam angle 81° .
 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. 55 822

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

Accessories

10 407 Installation housing

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