

**BEGA****55 922**

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 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: 0.3 kg

**Inrush current**

Inrush current: 27 A / 250  $\mu$ s  
Maximum number of luminaires of this type per miniature circuit breaker:  
B10A: 17 luminaires  
B16A: 27 luminaires  
C10A: 28 luminaires  
C16A: 45 luminaires

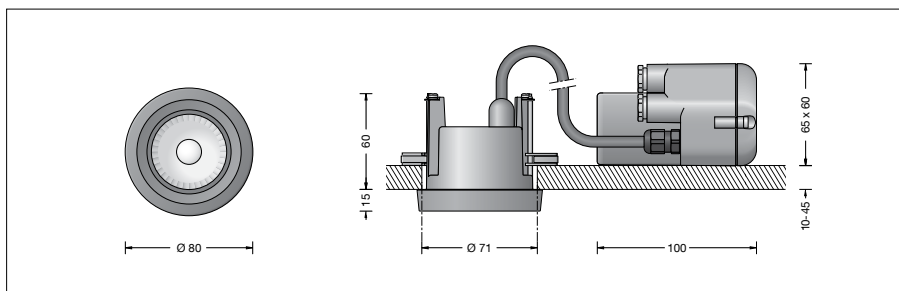
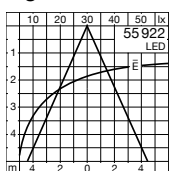
**Lighting technology**

Half beam angle  $81^{\circ}$ .  
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](http://www.bega.com).

**Accessories**

**10 407** Installation housing

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

**Light distribution****Lamp**

Module connected wattage 3 W  
Luminaire connected wattage 4.3 W  
Rated temperature  $t_a = 25^{\circ}\text{C}$   
Ambient temperature  $t_{a\text{max}} = 45^{\circ}\text{C}$

On request we can offer you modifications for environments with higher temperatures as a customized product.

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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 322 lm  
Luminaire luminous efficiency 74,9 lm/W

**55 922 K4**

Module designation LED-0458/840  
Colour temperature 4000 K  
Colour rendering index  $R_a > 80$   
Module luminous flux 535 lm  
Luminaire luminous flux 328 lm  
Luminaire luminous efficiency 76,3 lm/W

**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 478,000h: L70B50

max. ambient temperature  $t_a = 45^{\circ}\text{C}$   
– at 50,000h: L90B50  
– at 140,000h: L70B50

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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**