


Project · Reference number

Date

**Application**

LED recessed ceiling luminaire with crystal glass for wide beam light. 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  
Partially matt crystal glass with screw neck  
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.  $3 \times 1.5^2$   
1 screw cable gland  
factory-closed with sealing plug  
Connecting terminals  $2.5^2$   
LED power supply unit  
220-240 V  $\sim$  0/50-60 Hz  
Safety class II   
Protection class IP 65  
Dust-tight and protection against water jets  
Impact strength IK06  
Protection against mechanical impacts < 1 joule  
**CE** – Conformity mark  
Weight: 0.45 kg

**Lamp**

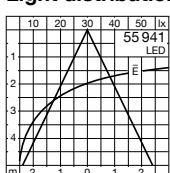
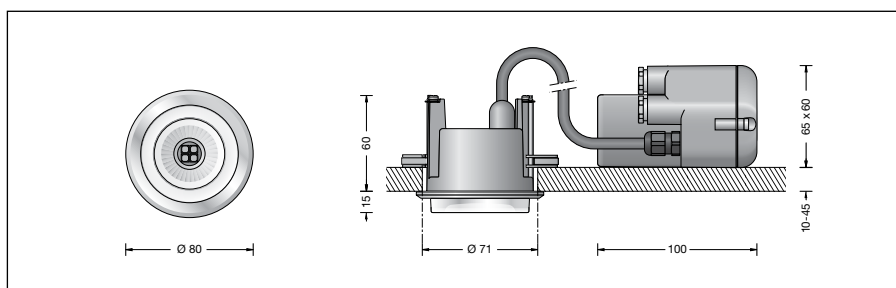
Module connected wattage 4.2 W  
Luminaire connected wattage 6 W  
Rated temperature  $t_a = 25^\circ\text{C}$   
Ambient temperature  $t_{a\text{max}} = 45^\circ\text{C}$

**55 941**

Module designation LED-0458/830  
Colour temperature 3000 K  
Colour rendering index  $R_a > 80$   
Module luminous flux 490 lm  
Luminaire luminous flux 248 lm  
Luminaire luminous efficiency 41,3 lm/W

**55 941 K4**

Module designation LED-0458/840  
Colour temperature 4000 K  
Colour rendering index  $R_a > 80$   
Module luminous flux 525 lm  
Luminaire luminous flux 265 lm  
Luminaire luminous efficiency 44,2 lm/W

**Light distribution**[www.bega.com](http://www.bega.com)**Lifetime of the LED**

Ambient temperature  $t_a = 15^\circ\text{C}$   
– at 50,000h: L90 B10  
– at 490,000h: L70 B50

Ambient temperature  $t_a = 25^\circ\text{C}$   
– at 50,000h: L90 B10  
– at 370,000h: L70 B50

max. ambient temperature  $t_a = 45^\circ\text{C}$   
– at 50,000h: L90 B50  
– at 215,000h: L70 B50

**Inrush current**

Inrush current: 27 A / 250  $\mu\text{s}$   
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  $52^\circ$ .  
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](http://www.bega.com).

**Article No. 55 941**

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

**Accessories**

**10407** Installation housing

A separate instructions for use can be provided upon request.