




Project · Reference number

Date

**Application**

LED recessed ceiling luminaire with asymmetrical wide beam light distribution. The used LED technique offers durability and optimal light output with low power consumption at the same time.

**Product description**

Luminaire made of aluminium alloy, aluminium and stainless steel  
Safety glass with optical structure  
Silicone gasket  
Reflector surface made of pure aluminium  
Required recessed opening 105 x 105 mm  
Recessed depth 70 mm  
Connecting terminals 2.5<sup>□</sup>  
LED power supply unit in external housing  
2 cable entries with compression nipples for through-wiring of the mains supply cable up to  $\varnothing$  10,5 mm max. 3 x 1.5<sup>□</sup>  
220-240 V  $\sim$  0/50-60 Hz  
Safety class II   
Protection class IP 65  
Dust-tight and protection against water jets  
 10  – Safety mark  
Impact strength IK06  
Protection against mechanical impacts < 1 joule  
**CE** – Conformity mark  
Weight: 0.6 kg

**Lighting technology**

Half beam angle 47/52°.  
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).

**Lamp**

Module connected wattage	8.4 W
Luminaire connected wattage	10.4 W
Rated temperature	$t_a = 25^\circ\text{C}$
Ambient temperature	$t_{a\text{max}} = 35^\circ\text{C}$

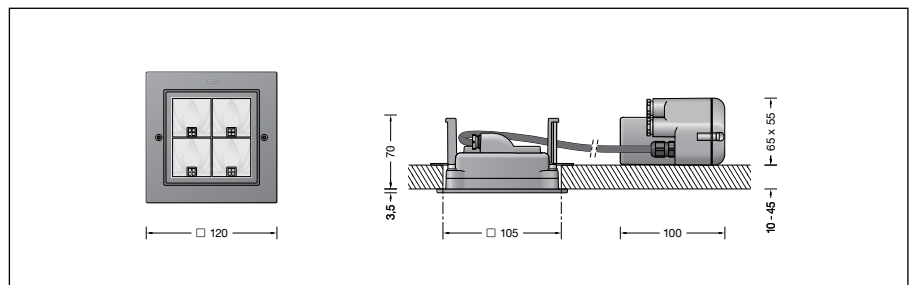
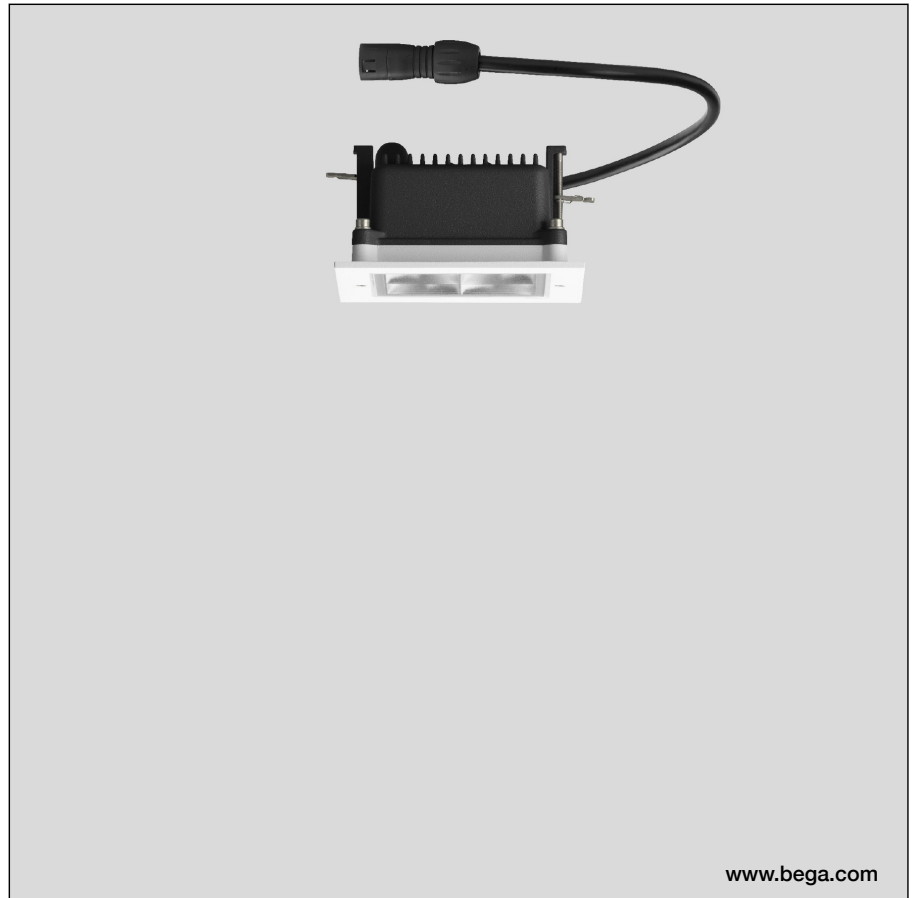
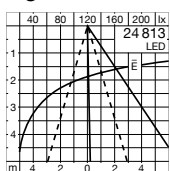
On request we can offer you modifications for environments with higher temperatures as a customized product.

**24 813**

Module designation	LED-0588/830
Colour temperature	3000 K
Colour rendering index	$R_a > 80$
Module luminous flux	1160 lm
Luminaire luminous flux	712 lm
Luminaire luminous efficiency	68,5 lm/W

**24 813 K4**

Module designation	LED-0588/840
Colour temperature	4000 K
Colour rendering index	$R_a > 80$
Module luminous flux	1160 lm
Luminaire luminous flux	712 lm
Luminaire luminous efficiency	68,5 lm/W

**Light distribution****Lifetime of the LED**

Ambient temperature  $t_a = 15^\circ\text{C}$   
– at 50,000h: L90 B10  
– at 414,000h: L70 B50

Ambient temperature  $t_a = 25^\circ\text{C}$   
– at 50,000h: L80 B10  
– at 222,000h: L70 B50

max. ambient temperature  $t_a = 35^\circ\text{C}$   
– at 50,000h: L70 B10  
– at 123,000h: 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

**Article No. 24 813**

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

Colour white or silver  
white – article number  
silver – article number + **A**

**Accessories**

**13 500** Installation housing

A separate instructions for use can be provided upon request.