

Project · Reference number

Date

Application

LED recessed ceiling luminaire with symmetrical narrow 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 finish pure aluminium

Required recessed opening 105 x 105 mm


Recessed depth 70 mm

Connecting terminals 2.5[□]

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. $3 \times 1.5^{\square}$

220-240 V  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: 0.65 kg

Light technique

Half beam angle 21°.

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.

Lamp

Module connected wattage 4.2 W

Luminaire connected wattage 6 W

Rated temperature $t_a = 25\text{ °C}$

Ambient temperature $t_{a\text{ max}} = 25\text{ °C}$

24 800

Module designation LED-0591/830

Colour temperature 3000 K

Colour rendering index $R_a > 80$

Module luminous flux 490 lm

Luminaire luminous flux 301 lm

Luminaire luminous efficiency 50,2 lm/W

24 800 K4

Module designation LED-0591/840

Colour temperature 4000 K

Colour rendering index $R_a > 80$

Module luminous flux 525 lm

Luminaire luminous flux 322 lm

Luminaire luminous efficiency 53,7 lm/W

Lifetime of the LED

Ambient temperature $t_a = 15\text{ °C}$

– at 50,000h: L90 B10

– at > 500,000h: L70 B50

max. ambient temperature $t_a = 25\text{ °C}$

– at 50,000h: L90 B10

– at 420,000h: L70 B50

Inrush current

Inrush current: 27 A / 250 μ 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. 24 800

Colour temperature 3000 K.

Also available with 4000 K on request.

3000 K – article number

4000 K – article number + **K4**

Colour white or silver

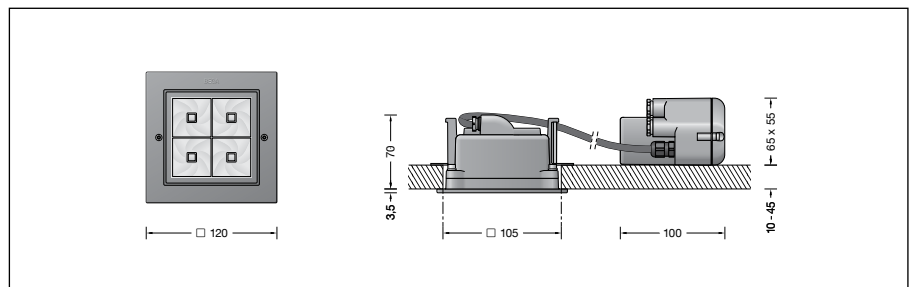
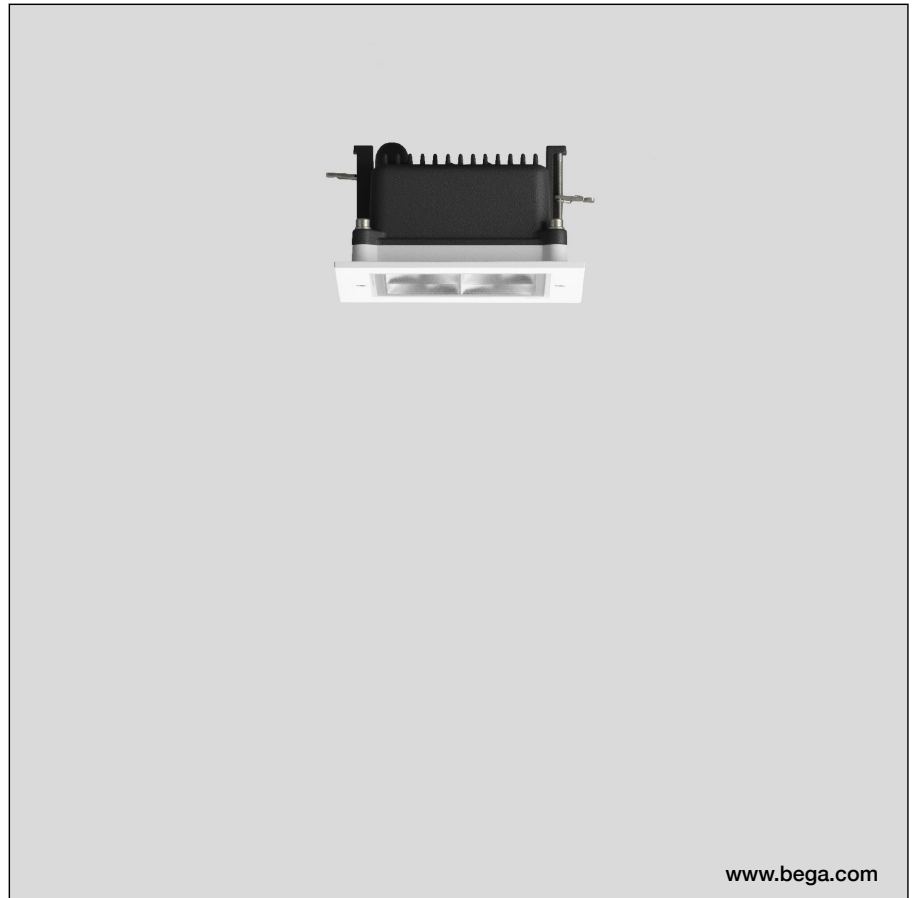
white – article number

silver – article number + **A**

Accessories

13 500 Installation housing

A separate instructions for use can be provided upon request.

**Light distribution**