



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[□]
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[□]
220-240 V \sim 0/50-60 Hz
Safety class II 
Protection class IP 65
Dust-tight and protection against water jets
 – Safety mark
Impact strength IK06
Protection against mechanical impacts < 1 joule
CE – Conformity mark
Weight: 0.6 kg

Lighting technology

Half beam angle 44/50°.
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.

Lamp

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

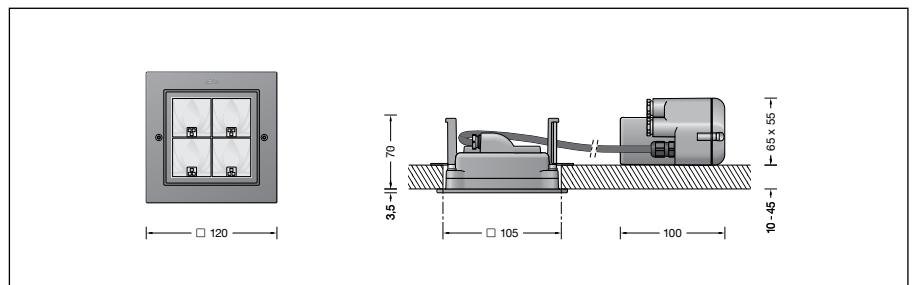
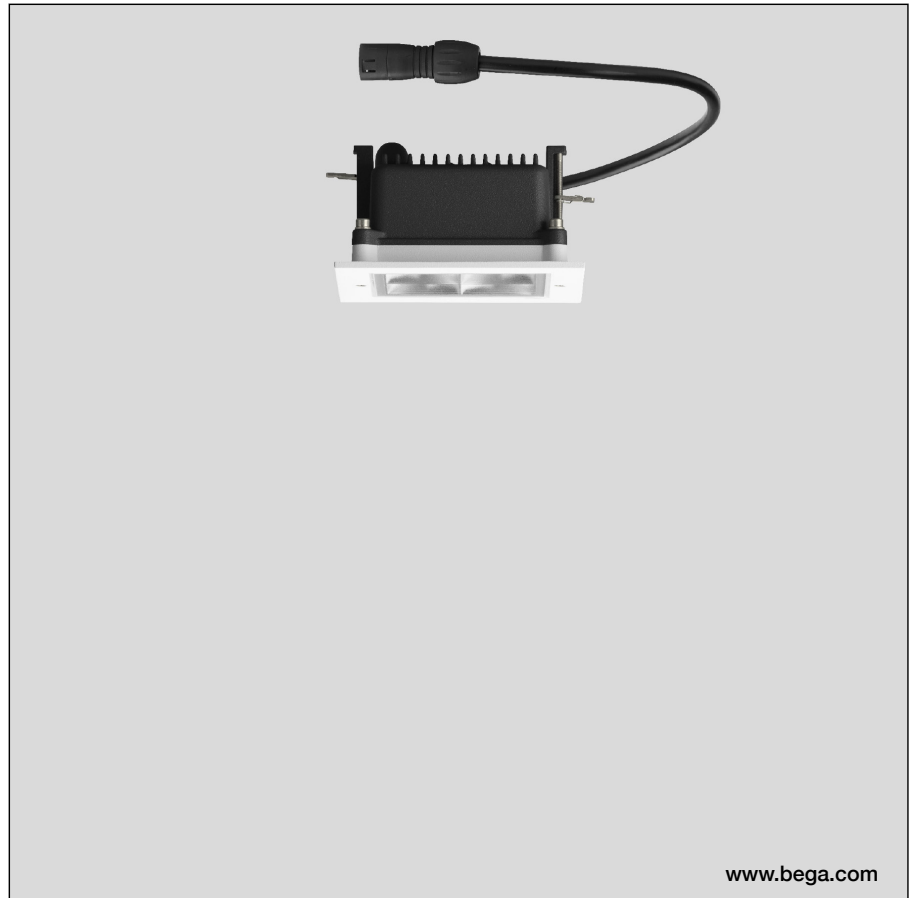
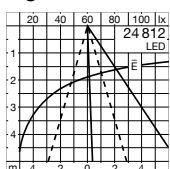
On request we can offer you modifications for environments with higher temperatures as a customized product.

24 812

Module designation	LED-0591/830
Colour temperature	3000 K
Colour rendering index	$R_a > 80$
Module luminous flux	490 lm
Luminaire luminous flux	328 lm
Luminaire luminous efficiency	54,7 lm/W

24 812 K4

Module designation	LED-0591/840
Colour temperature	4000 K
Colour rendering index	$R_a > 80$
Module luminous flux	525 lm
Luminaire luminous flux	351 lm
Luminaire luminous efficiency	58,5 lm/W

Light distribution**Lifetime of the LED**

Ambient temperature $t_a = 15^\circ\text{C}$
– at 50,000h: L90 B10
– at > 500,000h: L70 B50

Ambient temperature $t_a = 25^\circ\text{C}$
– at 50,000h: L90 B10
– at > 500,000h: L70 B50

max. ambient temperature $t_a = 45^\circ\text{C}$
– at 50,000h: L90 B10
– at 310,000h: L70 B50

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

Article No. 24 812

LED colour temperature optionally 3000K or 4000K
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.