

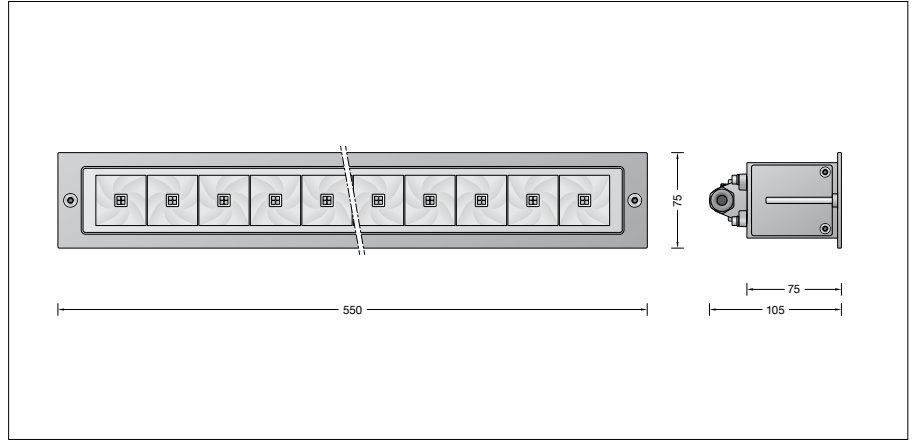
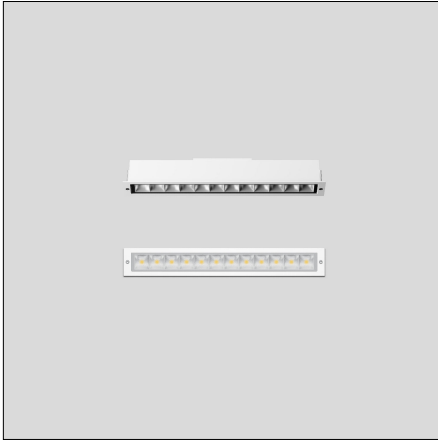
BEGA**24 303**

Recessed ceiling downlight



Project · Reference number

Date



Product data sheet

Product description

Luminaire made of aluminium alloy, aluminium and stainless steel
 BEGA Unidure® coating technology
 Safety glass with optical structure
 Silicone gasket
 BEGA Vortex Optics®
 Reflector surface made of pure aluminium
 Required recessed opening 543 x 70 mm
 Recessed depth 100 mm
 Connection box with 2 cable entries for through-wiring of the mains supply cable from \varnothing 5-13 mm, max. $5 \times 2,5^{\square}$
 Connecting terminal $2,5^{\square}$ with plug connection
 Earth conductor connection
 LED power supply unit
 220-240 V \sim 0/50-60 Hz
 DC 176-264 V
 DALI controllable
 A basic isolation exists between power cable and control line
 BEGA Thermal Control®
 Temporary thermal regulation to protect temperature-sensitive components without switching off the luminaire
 Safety class I
 Protection class IP 65
 Dust-tight and protection against water jets
 Impact strength IK07
 Protection against mechanical impacts < 2 joule
 – Safety mark
 – Conformity mark
 Weight: 2.4 kg

Application

LED recessed ceiling luminaire with symmetrical wide beam light distribution.
 Luminaire with high protection class and low installation depth for a variety of lighting tasks.
 Installation in concrete ceilings or suspended ceilings requires a separate installation housing or an installation frame – see accessories.

Lamp

Module connected wattage	15.8 W
Luminaire connected wattage	18.3 W
Rated temperature	$t_a = 25^{\circ}\text{C}$
Ambient temperature	$t_{a\text{max}} = 55^{\circ}\text{C}$
When installed in heat-insulating material	$t_{a\text{max}} = 45^{\circ}\text{C}$

24 303 K3

Module designation	LED-0771/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	2850 lm
Luminaire luminous flux	2191 lm
Luminaire luminous efficiency	119,7 lm/W

24 303 K4

Module designation	LED-0771/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	2930 lm
Luminaire luminous flux	2261 lm
Luminaire luminous efficiency	123,6 lm/W

Service life · Ambient temperature

Rated temperature $t_a = 25^{\circ}\text{C}$	
LED psu:	> 50,000h
LED module:	> 200,000h (L80B50) 100,000h (L90B50)

Ambient temperature $t_{a\text{max}} = 55^{\circ}\text{C}$ (100 %)	
LED psu:	50,000h
LED module:	69,000h (L80B50) 100,000h (L70B50)

Inrush current

Inrush current: 5 A / 100 μs
 Maximum number of luminaires of this type per miniature circuit breaker:
 B 10A: 42 luminaires
 B 16A: 68 luminaires
 C 10A: 42 luminaires
 C 16A: 68 luminaires

Lighting technology

Half beam angle 55°
 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.

Article No. 24 303

LED colour temperature optionally 3000K or 4000K
 3000 K – Article number + **K3**
 4000 K – Article number + **K4**
 Colour white or silver
 white – article number
 silver – article number + **A**

Accessories

13579 Installation housing
13516 Installation frame

A separate instructions for use can be provided upon request.

Light distribution

