

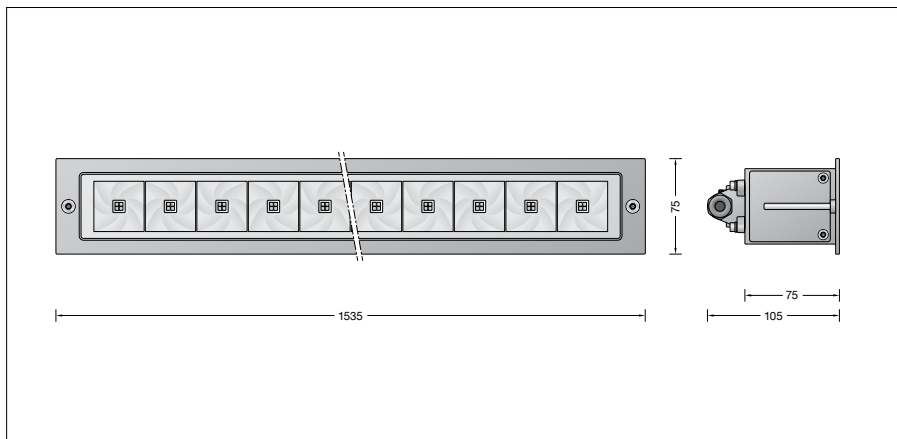
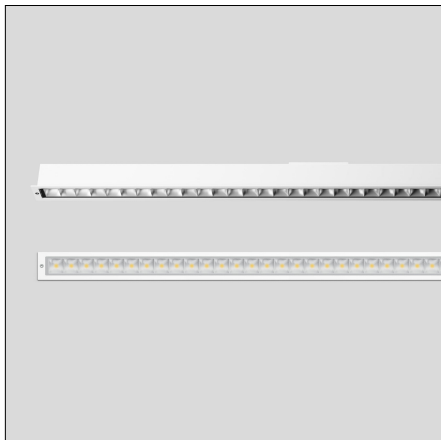
BEGA**24 305**

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 1527 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 176-276 V
 During DC operation the LED power is reduced to 15 %
 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: 6.4 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	47.4 W
Luminaire connected wattage	54.4 W
Rated temperature	$t_a = 25^{\circ}\text{C}$
Ambient temperature	$t_{a\text{max}} = 45^{\circ}\text{C}$
When installed in heat-insulating material	$t_{a\text{max}} = 35^{\circ}\text{C}$

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

24 305 K3

Module designation	6x LED-0771/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	8550 lm
Luminaire luminous flux	6955 lm
Luminaire luminous efficiency	127,8 lm/W

24 305 K4

Module designation	6x LED-0771/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	8790 lm
Luminaire luminous flux	7175 lm
Luminaire luminous efficiency	131,9 lm/W

Inrush current

Inrush current: 53 A / 200 μs
 Maximum number of luminaires of this type per miniature circuit breaker:
 B 10A: 8 luminaires
 B 16A: 13 luminaires
 C 10A: 8 luminaires
 C 16A: 13 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.

Service life · Ambient temperature

Rated temperature $t_a = 25^{\circ}\text{C}$	
LED psu:	> 50,000 h
LED module:	> 200,000 h (L 80 B 50) 100,000 h (L 90 B 50)

Ambient temperature $t_{a\text{max}} = 45^{\circ}\text{C}$ (100 %)

LED psu:	50,000 h
LED module:	61,000 h (L 80 B 50) 92,000 h (L 70 B 50)

Article No. 24 305

LED colour temperature optionally 3000 K or 4000 K
 3000 K – Article number + **K3**
 4000 K – Article number + **K4**

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

Accessories

13 581 Installation housing
13 518 Installation frame

A separate instructions for use can be provided upon request.

Light distribution

