

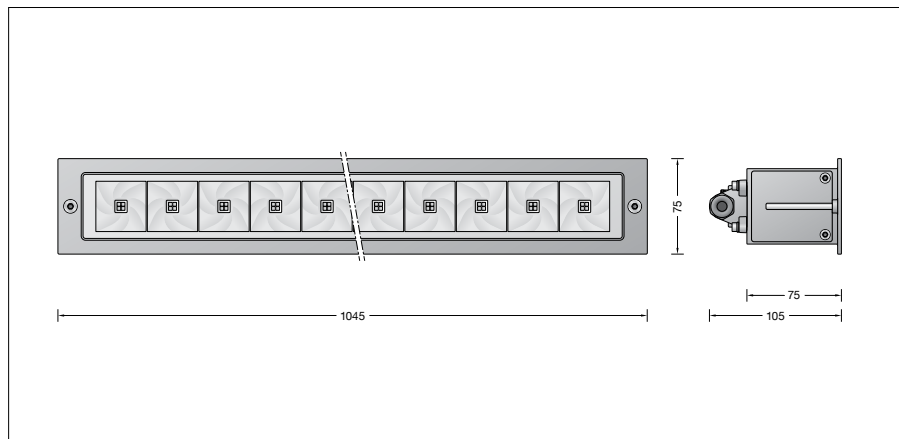
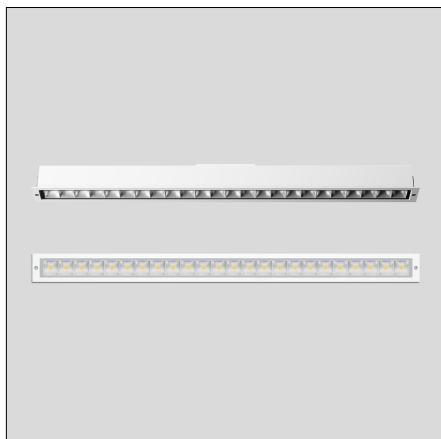
BEGA**24 304**

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 1035 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. $5 \times 2,5^2$
 Connecting terminal $2,5^2$ 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: 4.5 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 | 31.6 W |
| Luminaire connected wattage | 35.6 W |
| Rated temperature | $t_a = 25^\circ\text{C}$ |
| Ambient temperature | $t_{a\text{max}} = 50^\circ\text{C}$ |
| When installed in heat-insulating material | $t_{a\text{max}} = 40^\circ\text{C}$ |

24 304 K3

| | |
|-------------------------------|-----------------|
| Module designation | 4x LED-0771/830 |
| Colour temperature | 3000 K |
| Colour rendering index | CRI > 80 |
| Module luminous flux | 5700 lm |
| Luminaire luminous flux | 4383 lm |
| Luminaire luminous efficiency | 123,1 lm/W |

24 304 K4

| | |
|-------------------------------|-----------------|
| Module designation | 4x LED-0771/840 |
| Colour temperature | 4000 K |
| Colour rendering index | CRI > 80 |
| Module luminous flux | 5860 lm |
| Luminaire luminous flux | 4522 lm |
| Luminaire luminous efficiency | 127 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 $t_{a\text{max}} = 50^\circ\text{C}$ (100 %) | |
| LED psu: | 50,000h |
| LED module: | 67,000h (L80B50) 100,000h (L70B50) |

Inrush current

Inrush current: 20 A / 200 μs
 Maximum number of luminaires of this type per miniature circuit breaker:
 B 10A: 14 luminaires
 B 16A: 24 luminaires
 C 10A: 14 luminaires
 C 16A: 24 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. 24 304

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

13 580 Installation housing
13 517 Installation frame

A separate instructions for use can be provided upon request.

Light distribution

