

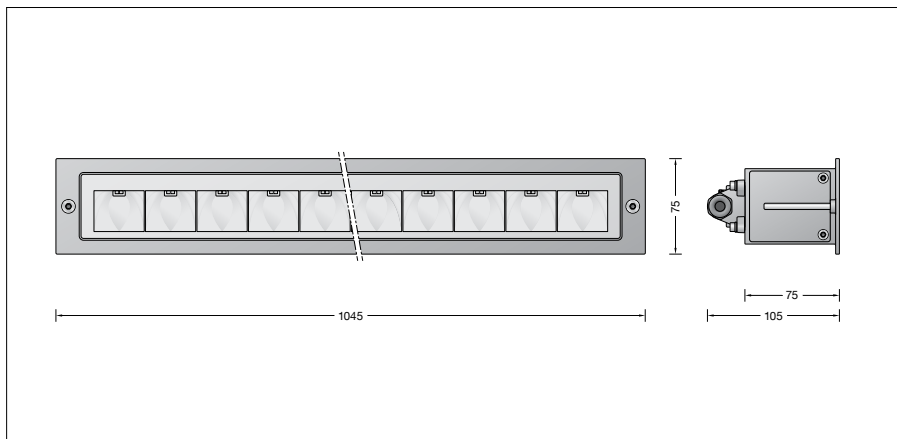
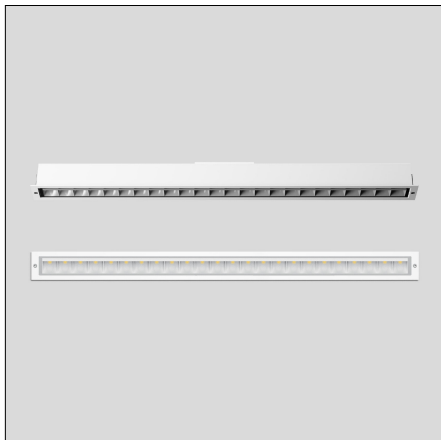
**BEGA****24 307**

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  
 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.  $5 \times 2,5^{\square}$   
 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: 4.4 kg

### Application

Recessed ceiling luminaire with asymmetrical 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	$t_{a\text{max}} = 40^{\circ}\text{C}$

### 24 307 K3

Module designation	LED-0771/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	5700 lm
Luminaire luminous flux	4024 lm
Luminaire luminous efficiency	113 lm/W

### 24 307 K4

Module designation	LED-0771/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	5860 lm
Luminaire luminous flux	4151 lm
Luminaire luminous efficiency	116,6 lm/W

### Service life · Ambient temperature

Rated temperature $t_a = 25^{\circ}\text{C}$	
LED psu:	> 50,000 h
LED module:	> 200,000 h (L80 B50) 100,000 h (L90 B50)

Ambient temperature  $t_{a\text{max}} = 50^{\circ}\text{C}$  (100 %)

LED psu:	50,000 h
LED module:	67,000 h (L80 B50) 100,000 h (L70 B50)

### Inrush current

Inrush current: 20 A / 200  $\mu\text{s}$   
 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 42/50°  
 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](http://www.bega.com).

### Article No. 24 307

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

**13 580** Installation housing  
**13 517** Installation frame

A separate instructions for use can be provided upon request.

### Light distribution

