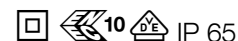


**BEGA****24 324**

Recessed ceiling downlight



Project · Reference number

Date

## Product data sheet

### Application

LED recessed ceiling downlight with external DALI controllable power supply unit for installation into concrete ceilings or suspended ceilings both indoors and out.  
With asymmetrical light distribution.

### Product description

Luminaire made of aluminium alloy, aluminium and stainless steel  
Cover ring stainless steel  
Matt safety glass  
Optical silicone lens · BEGA Constant Optics®  
Reflector surface made of pure aluminium  
Luminaire housing with 2 fixing claws and guide screws  
Recessed opening  $\varnothing$  160 mm  
Recessed depth required 100 mm  
The external connection housing is made of glass fibre reinforced synthetic material (polyamide)  
220-240 V  $\sim$  0/50-60 Hz  
2 screw cable glands with strain relief for through-wiring power connecting cable  $\varnothing$  4–10 mm, max. 5 x 1.5<sup>□</sup>  
Connecting terminals 2.5<sup>□</sup>  
0,7 m connection cable between the luminaire and the power supply unit.  
BEGA Thermal Control®  
Temporary thermal regulation to protect temperature-sensitive components without switching off the luminaire  
Safety class II   
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: 1.6 kg

### Lamp

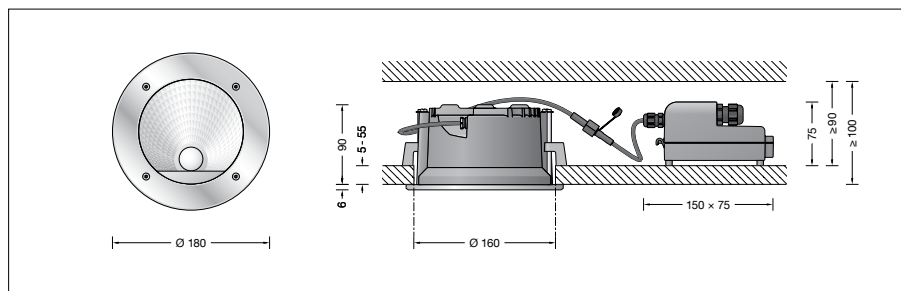
Module connected wattage	16.8 W
Luminaire connected wattage	19.6 W
Rated temperature	$t_a = 25\text{ °C}$
Ambient temperature	$t_{a\text{max}} = 35\text{ °C}$

### 24 324 K3

Module designation	LED-0800/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	2850 lm
Luminaire luminous flux	1750 lm
Luminaire luminous efficiency	89,3 lm/W

### 24 324 K4

Module designation	LED-0800/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	2920 lm
Luminaire luminous flux	1793 lm
Luminaire luminous efficiency	91,5 lm/W



### Service life · Ambient temperature

Rated temperature $t_a = 25\text{ °C}$	LED psu: > 50,000h
	LED module: 110,000h (L80B50)
Ambient temperature $t_{a\text{max}} = 35\text{ °C}$ (100 %)	LED psu: 50,000h
	LED module: 90,000h (L80B50)
	LED module: 100,000h (L70B50)

### Inrush current

Inrush current: 24 A / 115  $\mu$ s  
Maximum number of luminaires of this type per miniature circuit breaker:

B10A:	31 luminaires
B16A:	51 luminaires
C10A:	53 luminaires
C16A:	86 luminaires

### Article No. 24 324

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

### Accessories

**10 442** Installation housing

A separate instructions for use can be provided upon request.

### Lighting technology

Half beam angle 70/67°  
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).

### Light distribution

