

**BEGA****24 237**

Recessed ceiling luminaire

IP 65

Project · Reference number

Date

## Product data sheet

**Application**

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

**Product description**

Luminaire made of aluminium alloy, aluminium and stainless steel  
Cover ring aluminium alloy  
Clear safety glass  
Optical silicone lens  
Reflector surface made of pure aluminium  
Luminaire housing with 2 fixing claws and guide screws  
Recessed opening  $\varnothing$  128 mm  
Recessed depth required 100 mm  
The external connection housing is made of glass fibre reinforced synthetic material (polyamide).  
2 screw cable glands with strain relief for through-wiring power connecting cable  $\varnothing$  4–10 mm, max.  $5 \times 1,5^{\square}$   
Connecting terminals  $2,5^{\square}$   
0,7 m connection cable with plug between the luminaire and the power supply unit  
Safety class II  $\square$   
Protection class IP 65  
Dust-tight and protection against water jets  
Impact strength IK07  
Protection against mechanical impacts < 2 joule  
**CE** – Conformity mark  
Weight: 1.2 kg

**Lamp**

Module connected wattage	16.8 W
Luminaire connected wattage	19.8 W
Rated temperature	$t_a = 25^{\circ}\text{C}$
Ambient temperature	$t_{a\text{max}} = 40^{\circ}\text{C}$

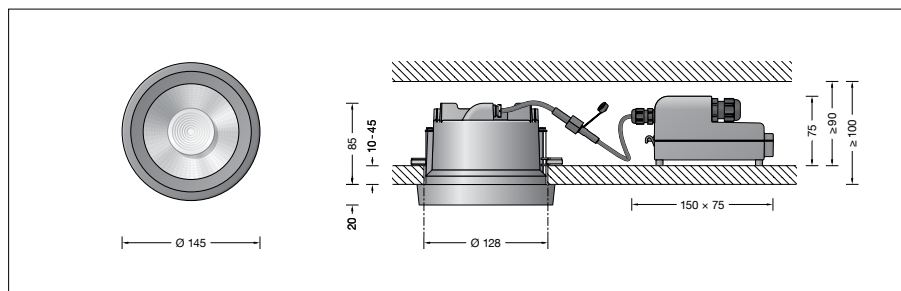
On request we can offer you modifications for environments with higher temperatures as a customized product.

**24 237 K3**

Module designation	LED-0800/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	2850 lm
Luminaire luminous flux	2053 lm
Luminaire luminous efficiency	103,7 lm/W

**24 237 K4**

Module designation	LED-0800/830
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	2920 lm
Luminaire luminous flux	2103 lm
Luminaire luminous efficiency	106,2 lm/W

**Service life · Ambient temperature**

Ambient temperature $t_a = 25^{\circ}\text{C}$	
LED psu:	> 50,000h
LED module:	120,000h (L80B50) 100,000h (L80B50)
Ambient temperature $t_a = 40^{\circ}\text{C}$	
LED psu:	50,000h
LED module:	85,000h (L80B50) 100,000h (L70B50)

**Lighting technology**

Half beam angle  $20^{\circ}$   
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).

**Inrush current**

Inrush current: 24 A / 115  $\mu\text{s}$   
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. 24 237**

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

Colour optionally graphite or white  
Graphite – Article number  
White – Article number + **W**

**Accessories**

**10 441** Installation housing

A separate instructions for use can be provided upon request.

**Light distribution**