

**BEGA****24 013**

Recessed wall luminaire



Project · Reference number

Date

## Product data sheet

**Application**

LED wall luminaire with unshielded light.

**Product description**

Luminaire made of aluminium alloy,  
aluminium and stainless steel  
Safety glass, white  
Silicone gasket  
Reflector made of pure anodised aluminium  
Recessed opening  $\varnothing$  230 mm  
Recessed depth required 110 mm  
Fixing is achieved by using two adjustable  
wedge-shaped claws  
2 cable entries for through-wiring of mains  
supply cable  $\varnothing$  7-10,5 mm,  
max. 5G 1.5<sup>□</sup>  
Connecting terminal 2.5<sup>□</sup>  
Earth conductor connection  
LED power supply unit  
220-240 V  $\sim$  0/50-60 Hz  
DC 176-280 V  
DC Start  $\geq$  190 V  
DALI controllable  
A basic isolation exists between power cable  
and control line  
Safety class I  
Protection class IP 65  
Dust-tight and protection against water jets  
Impact strength IK06  
Protection against mechanical  
impacts < 1 joule  
 – Safety mark  
**CE** – Conformity mark  
Weight: 2.1 kg

**Lamp**

Module connected wattage	11.8 W
Luminaire connected wattage	14.8 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	$t_{a\text{max}} = 35^\circ\text{C}$

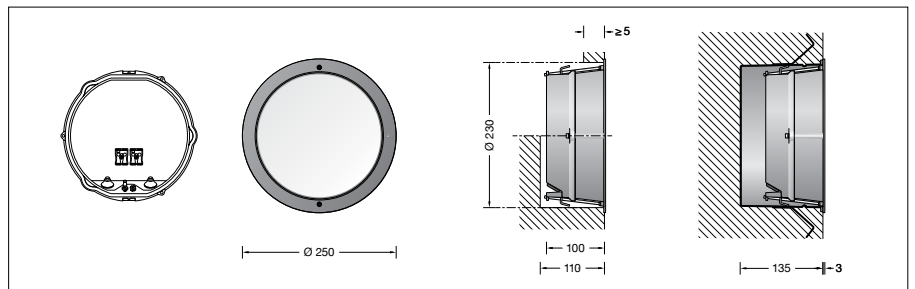
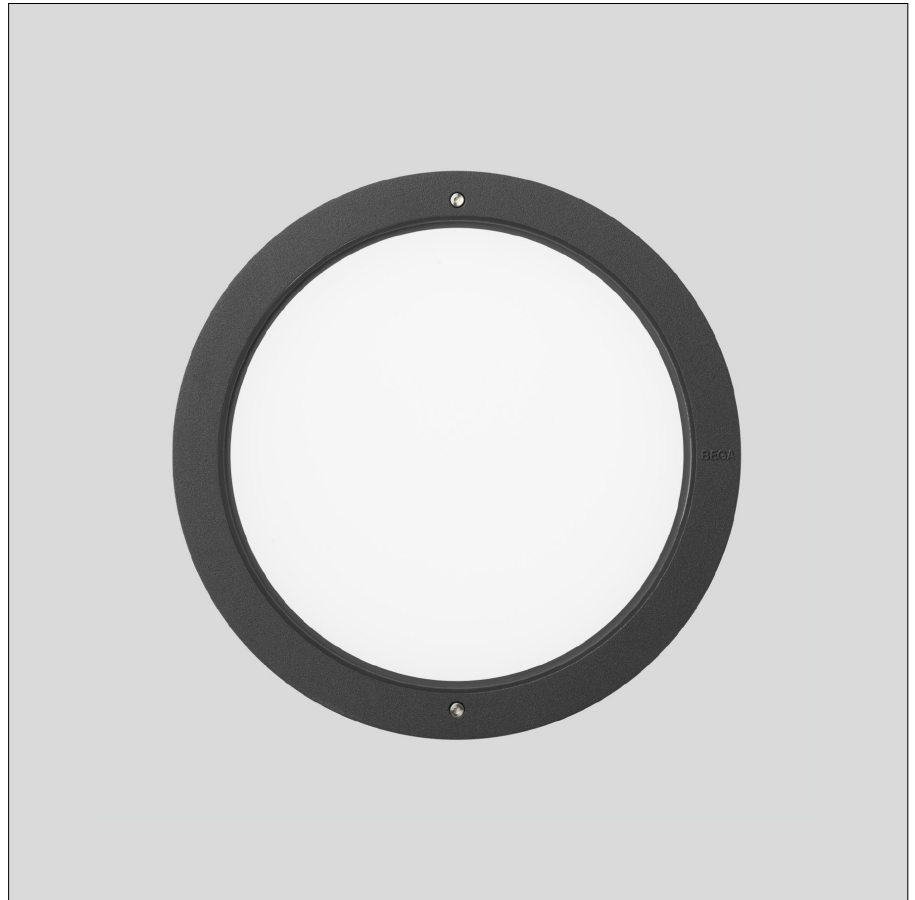
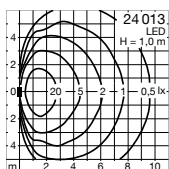
On request we can offer you modifications for  
environments with higher temperatures as a  
customized product.

**24 013 K3**

Module designation	LED-0646/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	2090 lm
Luminaire luminous flux	1293 lm
Luminaire luminous efficiency	87,4 lm/W

**24 013 K4**

Module designation	LED-0646/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	2190 lm
Luminaire luminous flux	1355 lm
Luminaire luminous efficiency	91,6 lm/W

**Light distribution****Lifetime of the LED**

Ambient temperature  $t_a = 15^\circ\text{C}$   
 – at 50,000h: L90B10  
 – at > 500,000h: L70B50

Ambient temperature  $t_a = 25^\circ\text{C}$   
 – at 50,000h: L90B10  
 – at 396,000h: L70B50

max. ambient temperature  $t_a = 45^\circ\text{C}$   
 – at 50,000h: L80B10  
 – at 213,000h: L70B50

**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

**Light technique**

Luminaire data for the light planning program  
DIALux for outdoor lighting, street lighting and  
indoor lighting as well as luminaire data in  
EULUMDAT- and IES-format you will find on the  
BEGA web page [www.bega.com](http://www.bega.com).

**Article No. 24 013**

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

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

**Accessories**

**10 487** Installation housing  
**10 087** Plaster frame

A separate instructions for use can be provided  
upon request.