

Project · Reference number

Date

**Application**

Unshielded LED luminaire for installation in walls.  
With low light output for orientating lighting tasks.  
The used LED technique offers durability and optimal light output with low power consumption at the same time.

**Product description**

Luminaire made of aluminium alloy, aluminium and stainless steel  
White safety glass  
Silicone gasket  
Reflector made of anodised pure aluminium  
Ceiling aperture  $\varnothing$  230 mm  
Recessed depth required 110 mm  
Fixing is achieved by using two adjustable wedge-shaped claws, European patent EP 0 686 806  
2 cable entries for through-wiring of mains supply cable  $\varnothing$  7 - 10,5 mm, max. 3 G 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 176-264 V  
Safety class I  
Protection class IP 65  
Dust-tight and protection against water jets  
**CE** – Conformity mark  
Weight: 2.0 kg

**Lamp**

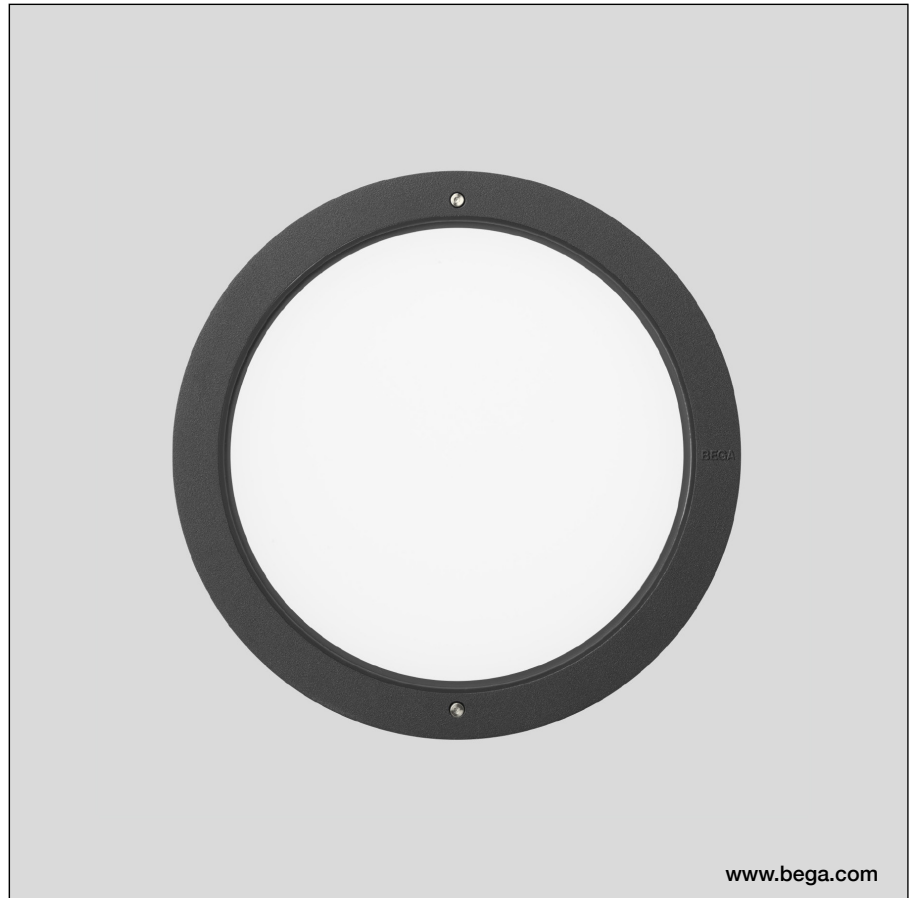
Module connected wattage	5.7 W
Luminaire connected wattage	8 W
Rated temperature	$t_a = 25\text{ }^\circ\text{C}$
Ambient temperature	$t_{a\text{ max}} = 35\text{ }^\circ\text{C}$

**24 018**

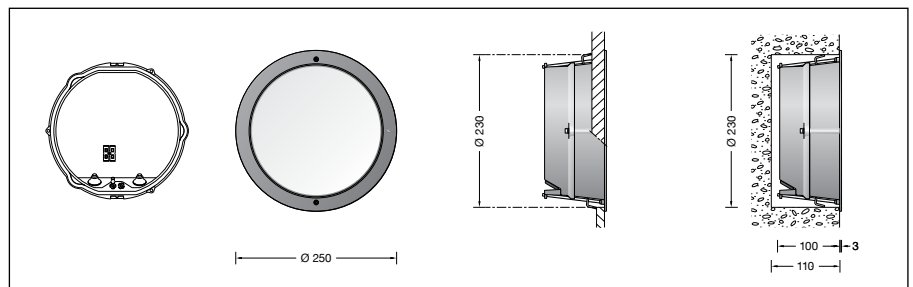
Module designation	LED-0646/830
Colour temperature	3000 K
Colour rendering index	$R_a > 80$
Module luminous flux	1000 lm
Luminaire luminous flux	646 lm
Luminaire luminous efficiency	80,8 lm/W

**24 018 K4**

Module designation	LED-0646/840
Colour temperature	4000 K
Colour rendering index	$R_a > 80$
Module luminous flux	1050 lm
Luminaire luminous flux	678 lm
Luminaire luminous efficiency	84,8 lm/W



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**Lifetime of the LED**

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

Ambient temperature  $t_a = 25\text{ }^\circ\text{C}$   
– at 50,000h: L90B10  
– at > 500,000h: L70B50

max. ambient temperature  $t_a = 35\text{ }^\circ\text{C}$   
– at 50,000h: L90B10  
– at > 500,000h: L70B50

**Article No. 24 018**

Colour temperature 3000 K.  
Also available with 4000 K on request.  
3000 K – article number  
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.