

**BEGA****24 230**

Large-area luminaire



Project · Reference number

Date

## Product data sheet

### Application

Large-area luminaire as ceiling and wall luminaire with high light power and high uniform light distribution.

### Product description

Luminaire made of aluminium, aluminium alloy and stainless steel  
 BEGA Unidure® coating technology  
 Synthetic diffuser with white light-diffusing matt finish  
 Silicone gasket  
 4 elongated fixing holes  
 Width 9,2 mm · 340 x 340 mm spacing  
 2 cable entries for through-wiring of mains supply cable  $\varnothing$  7-10,5 mm, max. 5 G 1.5<sup>2</sup>  
 Connection terminal 2.5<sup>2</sup>  
 Earth conductor connection  
 LED power supply unit  
 220-240 V  $\sim$  0/50-60 Hz  
 DC 176-280 V  
 DALI-controllable  
 Number of DALI addresses: 1  
 Basic insulation is provided between the mains and control cables  
 BEGA Thermal Switch®  
 Temporary thermal shutdown to protect temperature-sensitive components  
 Safety class I  
 Protection class IP 65  
 Dust-tight and protection against water jets  
 Impact strength IK10  
 Protection against mechanical impacts < 20 joule  
 – Safety mark  
 – Conformity mark  
 Weight: 9.4 kg  
 This product contains light sources of energy efficiency class(es) C

### Lamp

Module connected wattage	48.4 W
Luminaire connected wattage	55 W
Rated temperature	$t_a = 25^\circ\text{C}$
Ambient temperature	$t_{a\text{ max}} = 35^\circ\text{C}$

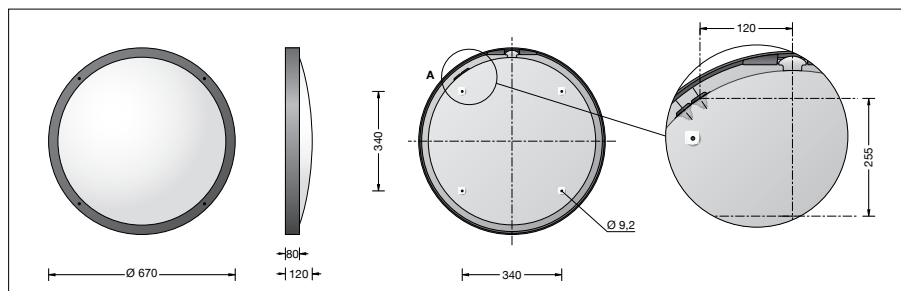
On request we can offer you modifications for environments with higher temperatures as a customized product.

### 24 230 K3

Module designation	4x LED-0567/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	6760 lm
Luminaire luminous flux	5355 lm
Luminaire luminous efficiency	97,4 lm/W

### 24 230 K4

Module designation	4x LED-0567/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	6760 lm
Luminaire luminous flux	5355 lm
Luminaire luminous efficiency	97,4 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 max.  $t_a = 35^\circ\text{C}$  (100 %)  
 LED psu: 50,000 h  
 LED module: > 200,000 h (L80 B50)  
 100,000 h (L90 B50)

### Lighting technology

Luminaire data for the DIALux lighting design program for outdoor lighting, street lighting and indoor lighting, as well as luminaire data in EULUMDAT and IES format are available on the BEGA website at [www.bega.com](http://www.bega.com).

### Inrush current

Inrush current: 20 A / 400  $\mu\text{s}$   
 Maximum number of luminaires of this type per miniature circuit breaker:  
 B 10 A: 9 luminaires  
 B 16 A: 15 luminaires  
 C 10 A: 16 luminaires  
 C 16 A: 25 luminaires

### Article No. 24 230

LED colour temperature optionally 3000 K or 4000 K

3000 K – Article number + **K3**  
 4000 K – Article number + **K4**

Colour optionally graphite, white or silver  
 Graphite – Article number  
 White – Article number + **W**  
 Silver – Article number + **A**

### Light distribution

