

**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. 5G1.5<sup>□</sup>  
 Connection terminal 2.5<sup>□</sup>  
 Earth conductor connection  
 LED power supply unit  
 220-240 V  $\sim$  0/50-60 Hz  
 DC 176-280 V  
 DALI controllable  
 A basic isolation exists between power cable and control line  
 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

### Lamp

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

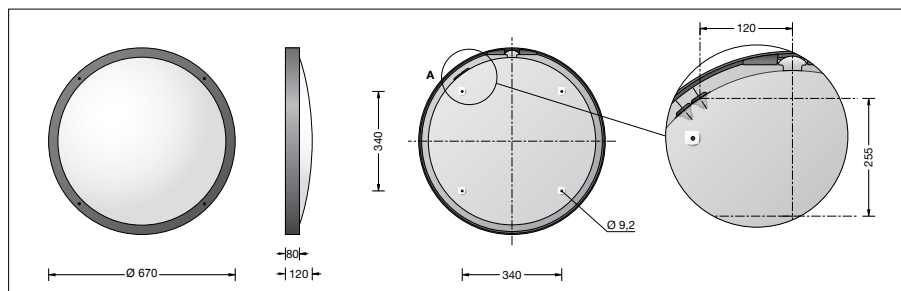
On request we can offer you modifications for environments with higher temperatures as a customized product.

### 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  $t_a = 25\text{ °C}$   
 LED psu: > 50,000 h  
 LED module: > 200,000 h (L80 B50)  
 100,000 h (L90 B50)

Ambient temperature  $t_{a\text{ max}} = 35\text{ °C}$  (100 %)  
 LED psu: 50,000 h  
 LED module: > 200,000 h (L80 B50)  
 100,000 h (L90 B50)

### 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).

### Inrush current

Inrush current: 20 A / 400  $\mu$ 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

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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

