

**BEGA****24 181**

Ceiling and wall luminaire



Project · Reference number

Date

## Product data sheet

### Application

Unshielded LED ceiling and wall luminaire with high protection class.

A luminaire made of die cast aluminium and with an impact resistant synthetic diffuser.

### Product description

Luminaire made of aluminium alloy, aluminium and stainless steel  
 BEGA Unidure® coating technology  
 Impact-resistant synthetic cover  
 2 mounting holes  $\varnothing$  4.5 mm  
 Distance apart 236 mm  
 2 screw cable glands with strain relief for through-wiring power connecting cable  $\varnothing$  7–12 mm  
 1 screw cable gland closed at the factory with a dummy plug  
 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  
 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: 2.0 kg

### Lamp

Module connected wattage	12.9 W
Luminaire connected wattage	15 W
Rated temperature	$t_a = 25\text{ °C}$
Ambient temperature	$t_{a\text{ max}} = 30\text{ °C}$

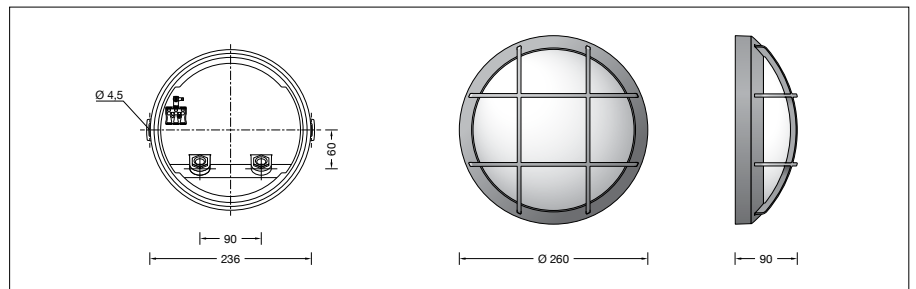
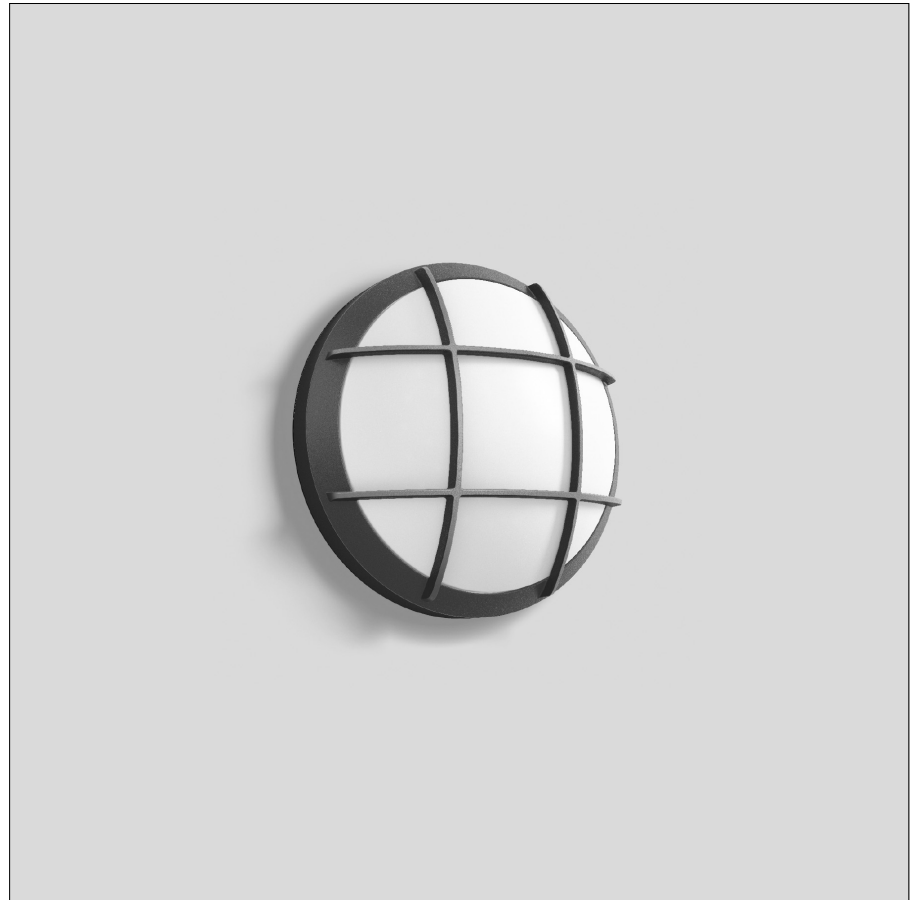
On request we can offer you modifications for environments with higher temperatures as a customized product.

### 24 181 K3

Module designation	LED-0985/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	2155 lm
Luminaire luminous flux	1356 lm
Luminaire luminous efficiency	90,4 lm/W

### 24 181 K4

Module designation	LED-0985/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	2265 lm
Luminaire luminous flux	1425 lm
Luminaire luminous efficiency	95 lm/W



### Service life · Ambient temperature

Rated temperature $t_a = 25\text{ °C}$	
LED psu:	> 50,000h
LED module:	170,000h (L80 B50)

Ambient temperature $t_{a\text{ max}} = 30\text{ °C}$ (100 %)	
LED psu:	50,000h
LED module:	150,000h (L80 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: 5 A / 50  $\mu$ s  
 Maximum number of luminaires of this type per miniature circuit breaker:

B 10A:	31 luminaires
B 16A:	50 luminaires
C 10A:	52 luminaires
C 16A:	85 luminaires

### Article No. 24 181

LED colour temperature optionally 3000K or 4000K  
 3000 K – Article number + **K3**  
 4000 K – Article number + **K4**  
 Colour graphite or silver  
 graphite – article number  
 silver – article number + **A**

### Light distribution

