

**BEGA****24 025**

Lichtbaustein®



Project · Reference number

Date

## Product data sheet

### Application

**Lichtbaustein®** Circle  
Unshielded ceiling and wall luminaire with high protection class for a variety of interior and exterior lighting applications.

The colour temperature of the luminaire can be set optionally to 3000K and 4000K.

### Product description

Luminaire made of aluminium alloy and stainless steel  
BEGA Unidure® coating technology  
Opal glass satin matt  
Silicone gasket  
2 mounting holes  $\varnothing$  5.5 mm  
Distance apart 190 mm  
2 cable entries for through-wiring of mains supply cable  $\varnothing$  7-10.5 mm  
Connecting terminal 2.5<sup>2</sup> with plug connection  
Earth conductor connection  
BEGA Ultimate Driver®  
Complies with flicker requirements in accordance with IEEE 1789,  
DIN IEC/TR 63158, DIN IEC/TR 61547-1  
LED power supply unit  
220-240 V  $\sim$  0/50-60 Hz  
DC 176-264 V  
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 IK05  
Protection against mechanical impacts < 0.7 joule  
 – Safety mark  
 – Conformity mark  
Weight: 1.7 kg  
This product contains light sources of energy efficiency class(es) C

### Lamp

Module connected wattage	7.8 W
Luminaire connected wattage	9 W
Module designation	LED-1643/83040
Colour rendering index	CRI > 80
Rated temperature	$t_a = 25$ °C
Ambient temperature	$t_{a \max} = 45$ °C

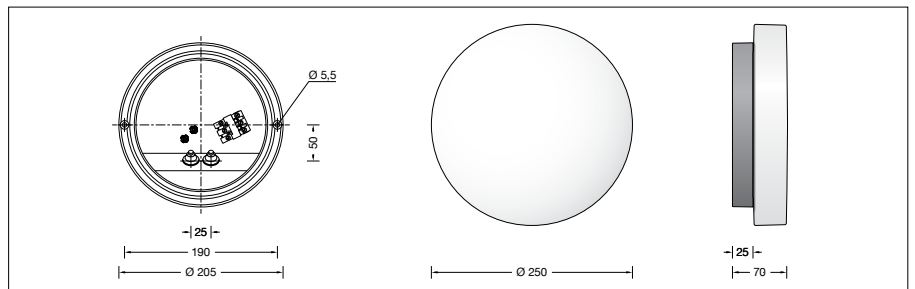
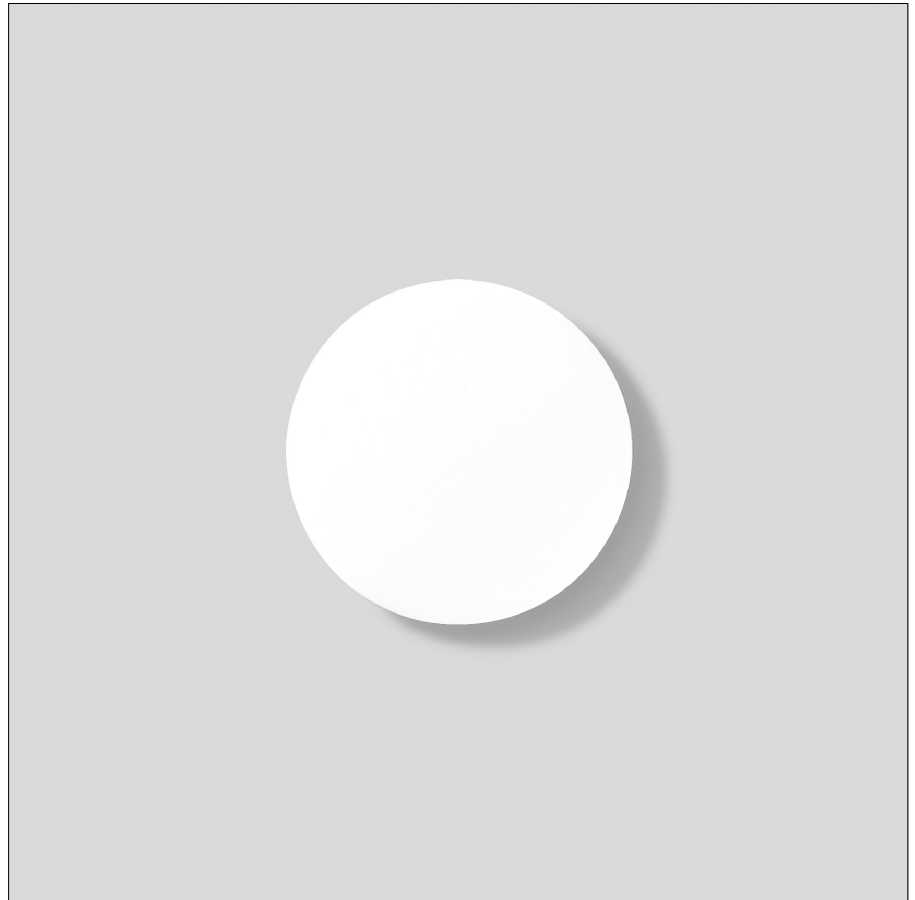
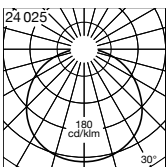
On request we can offer you modifications for environments with higher temperatures as a customized product.

The colour temperature of the luminaire can be set optionally to 3000K and 4000K.

Operation at colour temperature	3000 K
Module luminous flux	1450 lm
Luminaire luminous flux	725 lm
Luminaire luminous efficiency	80,6 lm/W

Operation at colour temperature	4000 K
Module luminous flux	1470 lm
Luminaire luminous flux	735 lm
Luminaire luminous efficiency	81,7 lm/W

### Light distribution



### Service life · Ambient temperature

Rated temperature $t_a = 25$ °C	
LED psu:	> 50,000 h
LED module:	> 200,000 h (L80 B50)
	100,000 h (L90 B50)
Ambient temperature max. $t_a = 45$ °C (100 %)	
LED psu:	50,000 h
LED module:	200,000 h (L80 B50)

### Ratio of luminous flux

Luminous flux upper half-space	24,1 %
Luminous flux lower half-space	75,9 %

BUG rating according to IES TM-15-07:  
0-3-1

CEN Flux Code according to EN 13032-2:  
40-70-90-76-100-26-53-78-24

### Inrush current

Inrush current: 11,3 A / 112  $\mu$ s  
Maximum number of luminaires of this type per miniature circuit breaker:  
B10A: 34 luminaires  
B16A: 55 luminaires  
C10A: 57 luminaires  
C16A: 92 luminaires

### 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).