

**BEGA****24 711**

Lichtbaustein®



Project · Reference number

Date

## Product data sheet

### Application

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

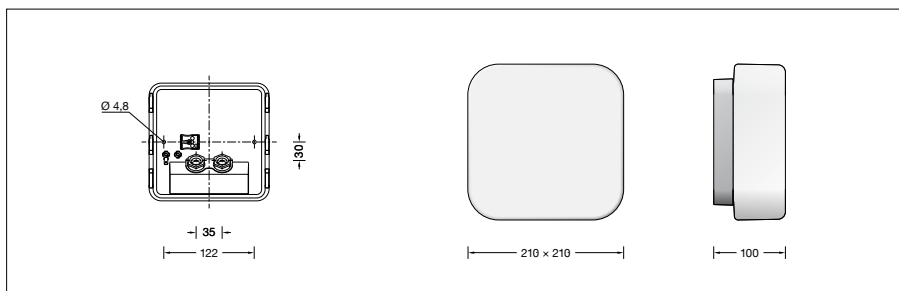
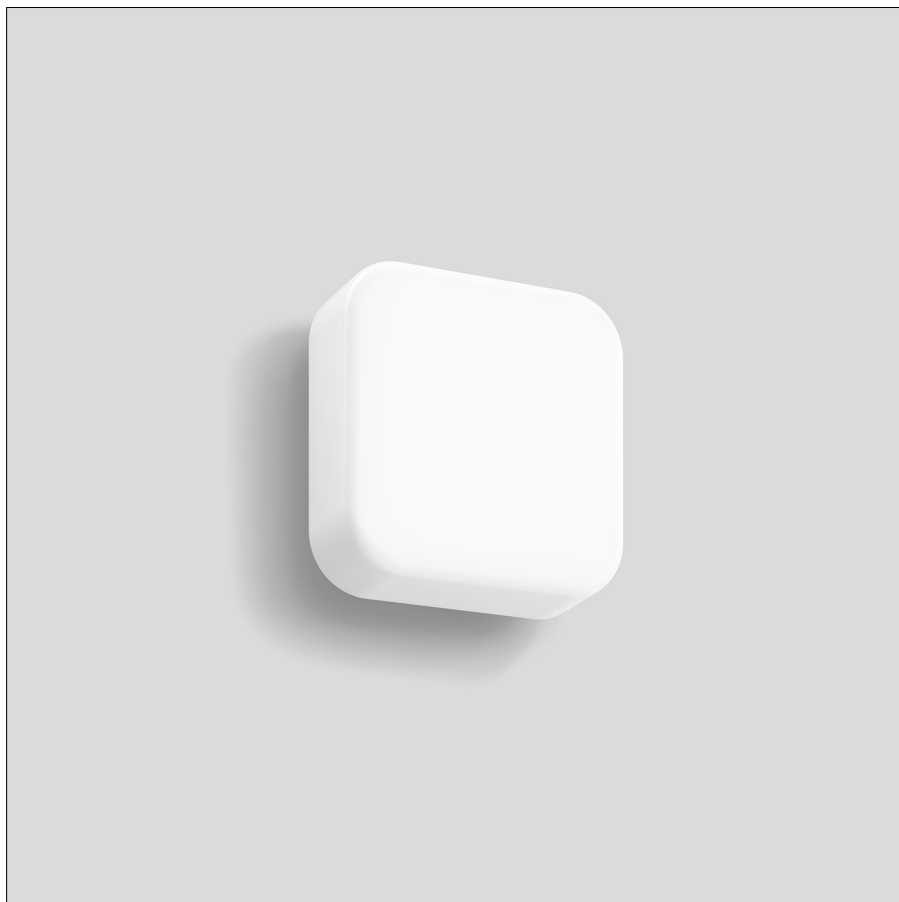
Luminaire made of aluminium alloy,  
aluminium and stainless steel  
BEGA Unidure® coating technology  
Colour graphite  
Opal glass  
2 mounting holes  $\varnothing$  4.8 mm  
Distance apart 122 mm  
2 screw cable glands with strain relief  
for through-wiring power connecting cable  
 $\varnothing$  7–12 mm  
1 screw cable gland closed at the factory with  
a dummy plug  
Connection terminal 2.5<sup>□</sup>  
Earth conductor connection  
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 176-280 V  
BEGA Thermal Control®  
Temporary thermal regulation to protect  
temperature-sensitive components without  
switching off the luminaire  
Safety class I  
Protection class IP 65  
Dust-tight and protection against water jets  
Impact strength IK02  
Protection against mechanical  
impacts < 0.2 joule  
 – Safety mark  
**CE** – Conformity mark  
Weight: 2.0 kg  
This product contains light sources of energy  
efficiency class(es) C

### Lamp

Module connected wattage	7.7 W
Luminaire connected wattage	8.8 W
Module designation	LED-1620/83040
Colour rendering index	CRI > 80
Rated temperature	$t_a = 25$ °C
Ambient temperature	$t_{a \max} = 55$ °C

Operation at colour temperature	3000 K
Module luminous flux	1375 lm
Luminaire luminous flux	906 lm
Luminaire luminous efficiency	103 lm/W

Operation at colour temperature	4000 K
Module luminous flux	1445 lm
Luminaire luminous flux	952 lm
Luminaire luminous efficiency	108,2 lm/W



### Service life · Ambient temperature

Rated temperature $t_a = 25$ °C	
LED psu:	> 50,000h
LED module:	170,000h (L80B50)
Ambient temperature max. $t_a = 55$ °C (100 %)	
LED psu:	50,000h
LED module:	110,000h (L80B50)

### 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: 5 A / 40  $\mu$ s  
Maximum number of luminaires of this type per miniature circuit breaker:

B 10A:	50 luminaires
B 16A:	50 luminaires
C 10A:	80 luminaires
C 16A:	80 luminaires

### Ratio of luminous flux

Luminous flux upper half-space	20,7 %
Luminous flux lower half-space	79,3 %

BUG rating according to IES TM-15-07:  
0–3–1  
CEN Flux Code according to EN 13032-2:  
40–70–90–79–100–19–44–72–21