

BEGA**24 220**

Wall luminaire



Project · Reference number

Date

Product data sheet

Application

Wall luminaire with asymmetrical light distribution.
For lighting of floor spaces, traffic areas and house entrances.

Dark Sky

The light of this luminaire is directed evenly and highly efficiently onto the surface to be illuminated. Less than 1 % of the luminaire luminous flux is emitted into the upper half-space of the luminaire.

Product description

Luminaire made of aluminium alloy, aluminium and stainless steel
BEGA Unidure® coating technology
Safety glass with optical structure
Silicone gasket
Reflector made of pure anodised aluminium
2 mounting holes \varnothing 4,8 mm
Distance apart 100 mm
2 cable entries for through-wiring of mains supply cable \varnothing 7-10,5 mm
Connecting terminal and earth conductor terminal 2,5[□]
LED power supply unit
220-240 V \sim 0/50-60 Hz
DC 170-280 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 IK10
Protection against mechanical impacts < 20 joule
 – Safety mark
 – Conformity mark
Weight: 2.0 kg
This product contains light sources of energy efficiency class(es) C, D

Lamp

Module connected wattage	8.9 W
Luminaire connected wattage	11 W
Rated temperature	$t_a = 25^\circ\text{C}$
Ambient temperature	$t_{a\text{max}} = 50^\circ\text{C}$

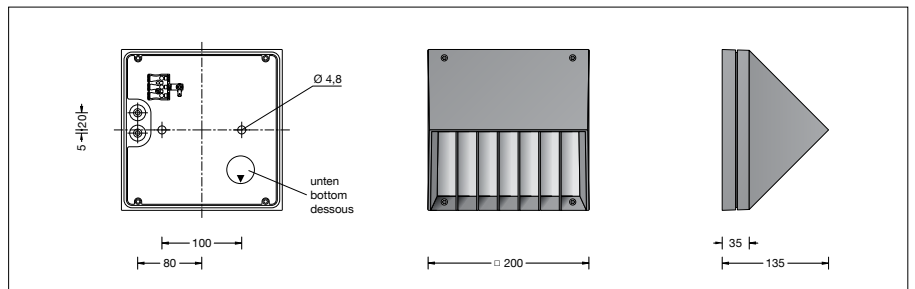
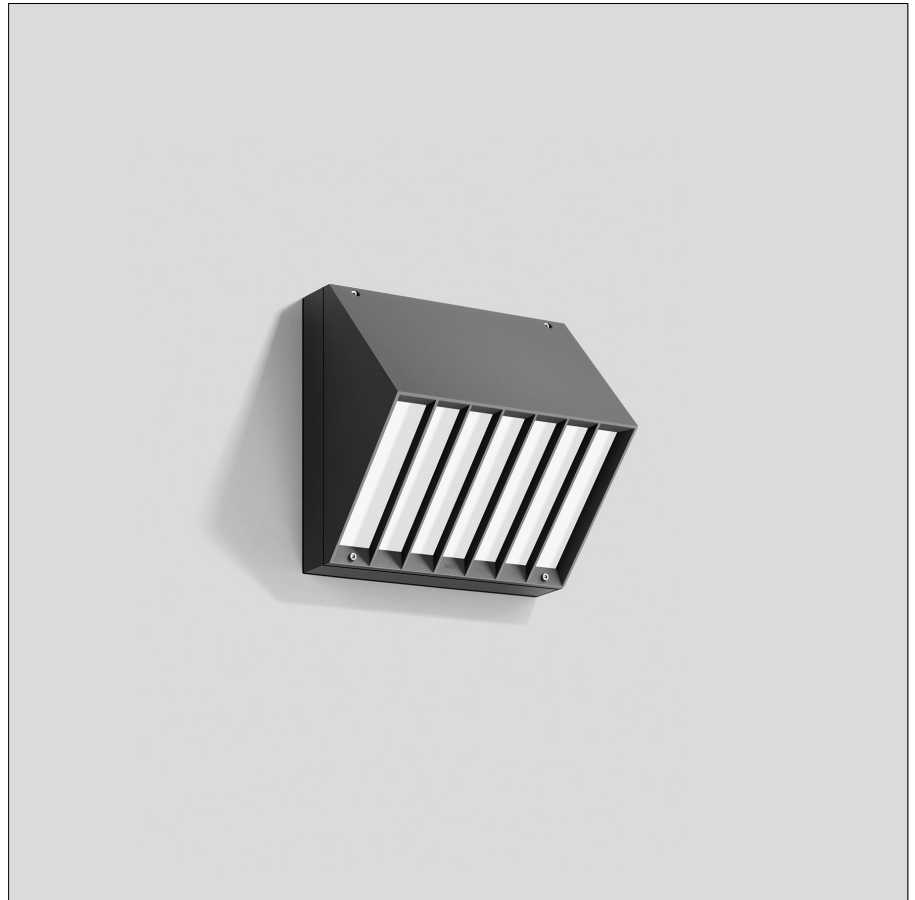
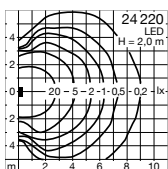
24 220 K3

Module designation	LED-0738/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	1520 lm
Luminaire luminous flux	753 lm
Luminaire luminous efficiency	68,5 lm/W

24 220 K4

Module designation	LED-0738/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	1600 lm
Luminaire luminous flux	792 lm
Luminaire luminous efficiency	72 lm/W

Light distribution



Service life · Ambient temperature

Rated temperature $t_a = 25^\circ\text{C}$
LED psu: > 50,000 h
LED module: 115,000 h (L80B50)

Ambient temperature max. $t_a = 50^\circ\text{C}$ (100 %)
LED psu: 50,000 h
LED module: 100,000 h (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.

Inrush current

Inrush current: 27 A / 250 μs
Maximum number of luminaires of this type per miniature circuit breaker:

B 10 A:	17 luminaires
B 16 A:	27 luminaires
C 10 A:	28 luminaires
C 16 A:	45 luminaires

Ratio of luminous flux

Luminous flux upper half-space	0,8 %
Luminous flux lower half-space	99,2 %

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

CEN Flux Code according to EN 13032-2:
63 – 87 – 98 – 99 – 100 – 0 – 3 – 29 – 1

Article No. 24 220

LED colour temperature optionally 3000 K or 4000 K
3000 K – Article number + **K3**
4000 K – Article number + **K4**

Colour graphite or silver
graphite – article number
silver – article number + **A**