

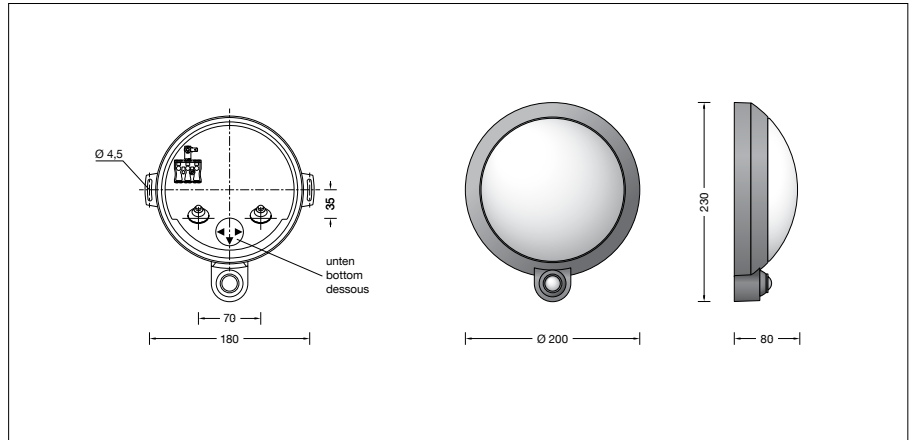
BEGA**24 149**

Wall luminaire with PIR motion and light sensor



Project · Reference number

Date



Product data sheet

Application

Unshielded wall luminaire with crystal glass. The integrated passive infrared motion and light sensor responds to heat emission in the dark and therefore activates in case of human or animal movement in the vicinity of the luminaire. Configuration is done via Bluetooth and the free BEGA Tool app.

Lamp

Module connected wattage	6.5 W
Luminaire connected wattage	9 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.



24 149 K3

Module designation	LED-1182/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	1100 lm
Luminaire luminous flux	838 lm
Luminaire luminous efficiency	93,1 lm/W

24 149 K4

Module designation	LED-1182/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	1155 lm
Luminaire luminous flux	881 lm
Luminaire luminous efficiency	97,9 lm/W

Product description

Luminaire made of aluminium alloy, aluminium and stainless steel
 BEGA Unidure® coating technology
 Crystal glass, white inside
 Silicone gasket
 2 mounting holes \varnothing 4.5 mm
 Distance apart 178 mm
 2 cable entries for through-wiring of mains supply cable \varnothing 7-12 mm
 Connection terminal 0,5 - 2,5²
 Earth conductor connection
 Passive infrared motion sensor (PIR)
 Range up to 10 m
 Horizontal opening angle 110°
 Vertical opening angle 93°
 Minimum temperature difference between moving object and environment 4 °C
 Object speed ideally 1 m/s
 Adjustable sensitivity of the motion sensor (inertia)
 Shut-down delay adjustable between 5 s and 240 min
 Light sensor: adjustable value range from darkness to approaching dusk (approx. 150 lx)
 Fixed pre-set time hysteresis for suppression of undesired switching operations in luminaires during rapid brightness fluctuations
 Luminaire dimmable (0 to 100%)
 Adjustable basic brightness
 Luminaire can be switched on and off with a non-adjustable soft start function (1 s) or directly to the set brightness value
 Transmission frequency range: 2400-2483.5 MHz
 Maximum transmission output: 10 mW
 LED power supply unit
 220-240 V \sim 0/50-60 Hz
 DC 176-264 V
 DC Start \geq 198 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: 1.6 kg
 This product contains light sources of energy efficiency class(es) D

Inrush current

Inrush current: 20 A / 170 μ 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

Service life · Ambient temperature

Rated temperature $t_a = 25\text{ °C}$	
LED psu:	> 50,000 h
LED module:	165,000 h (L 80 B 50)

Ambient temperature max. $t_a = 30\text{ °C}$ (100 %)	
LED psu:	50,000 h
LED module:	150,000 h (L 80 B 50)

Ratio of luminous flux

Luminous flux upper half-space	4,5 %
Luminous flux lower half-space	95,5 %

BUG rating according to IES TM-15-07:
 0–2–1

CEN Flux Code according to EN 13032-2:
 42–72–90–96–100–0–1–18–4

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.

Article No. 24 149

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