

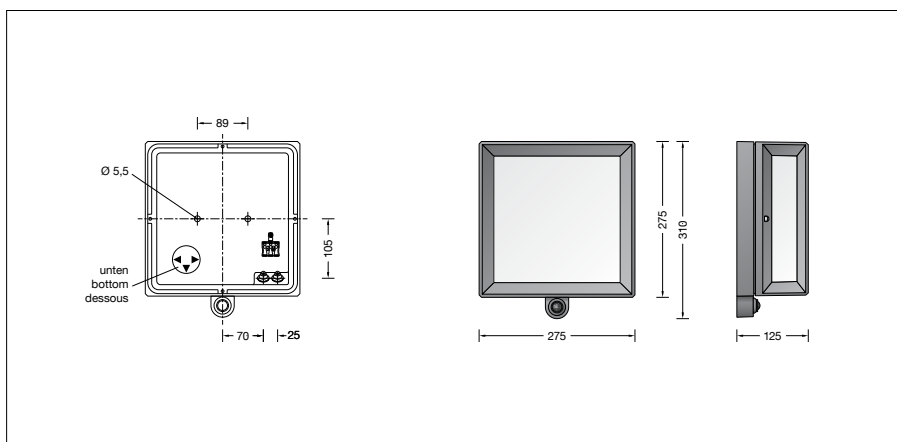
BEGA**24 397**

Wall luminaire with PIR motion and light sensor



Project · Reference number

Date



Product data sheet

Application

Unshielded wall luminaire with integral passive infrared motion and light sensor.
A luminaire made of aluminium alloy and 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	5.9 W
Luminaire connected wattage	8 W
Rated temperature	$t_a = 25^\circ\text{C}$
Ambient temperature	$t_{a\text{ max}} = 35^\circ\text{C}$

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

24 397 K3

Module designation	LED-1181/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	1010 lm
Luminaire luminous flux	460 lm
Luminaire luminous efficiency	57,5 lm/W

24 397 K4

Module designation	LED-1181/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	1065 lm
Luminaire luminous flux	485 lm
Luminaire luminous efficiency	60,6 lm/W

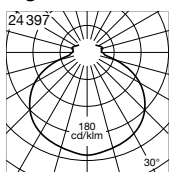
Service life · Ambient temperature

Rated temperature $t_a = 25^\circ\text{C}$	
LED psu:	> 50,000 h
LED module:	200,000 h (L 80 B 50)

Ambient temperature max. $t_a = 35^\circ\text{C}$ (100 %)

LED psu:	50,000 h
LED module:	170,000 h (L 80 B 50)

Light distribution



Product description

Luminaire made of aluminium alloy, aluminium and stainless steel
BEGA Unidure® coating technology
Colour graphite or silver
Crystal glass, white inside
Silicone gasket
2 mounting holes \varnothing 5.5 mm
Distance apart 89 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 IK06
Protection against mechanical impacts < 1 joule
 – Safety mark
 – Conformity mark
 Weight: 4.6 kg
 This product contains light sources of energy efficiency class(es) C, D

Inrush current

Inrush current: 20 A / 170 μs
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

Ratio of luminous flux

Luminous flux upper half-space	50 %
Luminous flux lower half-space	50 %

BUG rating according to IES TM-15-07: 0-3-1
CEN Flux Code according to EN 13032-2: 20-46-73-50-100-20-46-73-50

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. 24 397

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**