

BEGA**24 172**

Wall luminaire with PIR motion and light sensor

IP 65

Project · Reference number

Date

Product data sheet**Application**

Unshielded wall luminaire with integral passive infrared motion and light sensor for use in an existing DALI system.

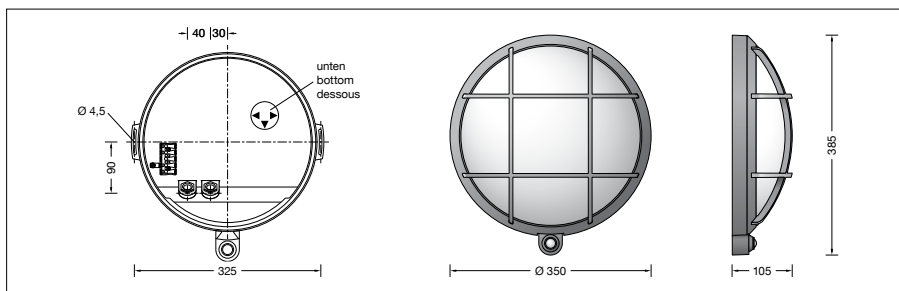
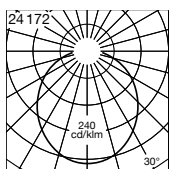
A luminaire made of die-cast aluminium and impact-resistant crystal glass.

Product description

Luminaire made of aluminium alloy, aluminium and stainless steel
 BEGA Unidure® coating technology
 Crystal glass, white inside
 2 mounting holes \varnothing 4.5 mm
 Distance apart 325 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[□]
 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 1 m/s
 Light sensor
 Measuring range adjustable using DALI Cockpit 0-2500 lx, Resolution 1 lx
 Power consumption on the DALI bus: Sensor: 3.5 mA
 Power supply unit: 2 mA
 Time hysteresis for suppressing rapid fluctuations in brightness
 LED power supply unit
 220-240 V \sim 0/50-60 Hz
 DC 170-280 V
 DALI controllable
 A basic isolation exists between power cable and control line
 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
CE – Conformity mark
 Weight: 4.7 kg

Inrush current

Inrush current: 5 A / 50 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

Light distribution**Lamp**

Module connected wattage	23.9 W
Luminaire connected wattage	27.2 W
Rated temperature	$t_a = 25\text{ °C}$
Ambient temperature	$t_{a\text{ max}} = 35\text{ °C}$

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

Service life · Ambient temperature

Rated temperature $t_a = 25\text{ °C}$	
LED psu:	> 50,000 h
LED module:	150,000 h (L.80B50)

Ambient temperature $t_{a\text{ max}} = 35\text{ °C}$ (100 %)	
LED psu:	50,000 h
LED module:	130,000 h (L.80B50)

Light technique

Luminaire data for the light planning program DIALux for outdoor lighting, street lighting and indoor lighting as well as luminaire data in EULUMDAT- and IES-format you will find on the BEGA web page www.bega.com.

Article No. 24 172

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**

24 172 K3

Module designation	LED-0993/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	3975 lm
Luminaire luminous flux	2131 lm
Luminaire luminous efficiency	78,3 lm/W

24 172 K4

Module designation	LED-0993/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	4180 lm
Luminaire luminous flux	2241 lm
Luminaire luminous efficiency	82,4 lm/W