BEGA

24 166

Wall luminaire with PIR motion and light sensor

IP 65

Project · Reference number	Date

Product data sheet

Application
Unshielded LED 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
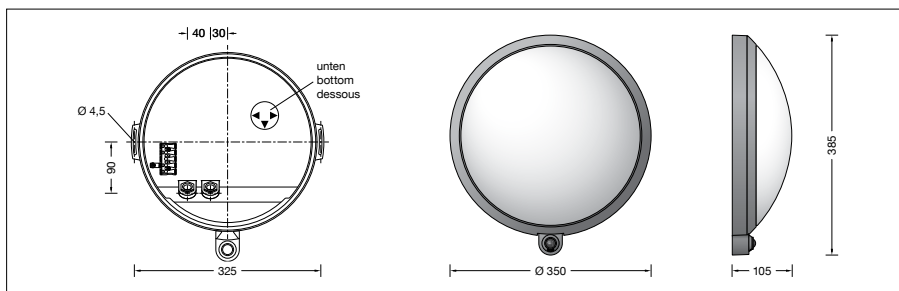Luminaire made of aluminium alloy, aluminium and stainless steel
BEGA Unidure® coating technology
Crystal glass, white inside
2 mounting holes ø 4.5 mm
Distance apart 325 mm
2 screw cable glands with strain relief
for through-wiring power connecting cable ø 7–12 mm
1 screw cable gland closed at the factory 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 ⏦ 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
CE – Conformity mark
Weight: 4.3 kg

Inrush current
Inrush current: 5 A / 50 µs
Maximum number of luminaires of this type per miniature circuit breaker:
B 10 A: 31 luminaires
B 16 A: 50 luminaires
C 10 A: 52 luminaires
C 16 A: 85 luminaires

Light distribution

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

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

24 166 K3
Module designation	LED-0993/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	3975 lm
Luminaire luminous flux	2651 lm
Luminaire luminous efficiency	97,5 lm/W

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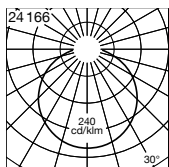|	
Module designation	LED-0993/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	4180 lm
Luminaire luminous flux	2788 lm
Luminaire luminous efficiency	102,5 lm/W

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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**

Service life · Ambient temperature
Rated temperature $t_a = 25$ °C
LED psu:	> 50,000 h
LED module:	150,000 h (L 80 B 50)

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

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.