

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.

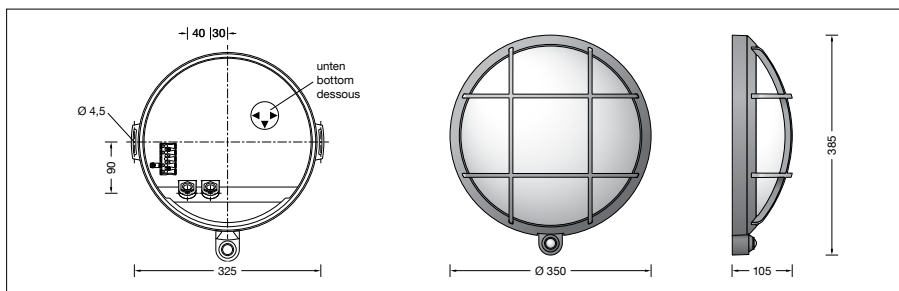
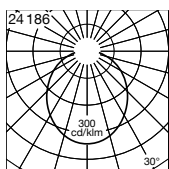
A luminaire made of die-cast aluminium and an impact-resistant synthetic cover.

Product description

Luminaire made of aluminium alloy,
aluminium and stainless steel
BEGA Unidure® coating technology
Impact-resistant synthetic cover
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 2.5²
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 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: 3.6 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	$t_a = 25^\circ\text{C}$
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.

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Module designation	LED-0993/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	3975 lm
Luminaire luminous flux	2465 lm
Luminaire luminous efficiency	90,6 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	2592 lm
Luminaire luminous efficiency	95,3 lm/W

Service life · Ambient temperature

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

Ambient temperature $t_{a\text{ max}} = 35^\circ\text{C}$ (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.

Article No. 24 186

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**