

Project · Reference number

Date

Product data sheet**Application**

Shielded LED wall luminaires 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

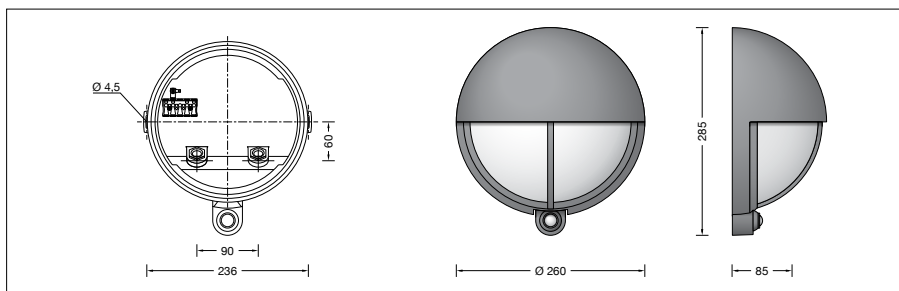
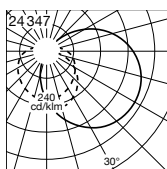
Luminaire made of aluminium alloy, aluminium and stainless steel
Crystal glass, white inside
2 mounting holes \varnothing 4.5 mm
Distance apart 236 mm
2 screw cable glands with strain relief for through-wiring power connecting cable \varnothing 7–12 mm
1 screw cable gland closed at the factory with a 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 176-280 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: 3.1 kg

Inrush current

Inrush current: 5 A / 50 μ s
Maximum number of luminaires of this type per miniature circuit breaker:
B10A: 31 luminaires
B16A: 50 luminaires
C10A: 52 luminaires
C16A: 85 luminaires

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.

Light distribution**Lamp**

Module connected wattage	7.7 W
Luminaire connected wattage	10.4 W
Rated temperature	$t_a = 25$ °C
Ambient temperature	$t_{a \max} = 35$ °C

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

24 347 K3

Module designation	LED-0276/830
Colour temperature	3000 K
Colour rendering index	CRI > 80
Module luminous flux	1505 lm
Luminaire luminous flux*	640 lm
Luminaire luminous efficiency*	61,5 lm/W

24 347 K4

Module designation	LED-0276/840
Colour temperature	4000 K
Colour rendering index	CRI > 80
Module luminous flux	1545 lm
Luminaire luminous flux*	657 lm
Luminaire luminous efficiency*	63,2 lm/W

* preliminary data

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LED colour temperature optionally 3000K or 4000K
3000 K – Article number + **K3**
4000 K – Article number + **K4**

Colour optionally graphite, white or silver
Graphite – Article number
White – Article number + **W**
Silver – Article number + **A**

Service life · Ambient temperature

Rated temperature $t_a = 25$ °C	
LED psu:	> 50,000 h
LED module:	> 200,000 h (L80B50) 100,000 h (L90B50)

Ambient temperature $t_{a \max} = 35$ °C (100 %)	
LED psu:	50,000 h
LED module:	> 200,000 h (L80B50) 100,000 h (L90B50)