DALI-2 Multi Sensor LS/MD

e:cue Interfaces

Lighting applications are heterogenous by nature. e:cue interfaces serve to integrate many networks, protocols and third party products into e:cue solutions. They also aid in applying special control functions for fixtures, they integrate analog or mechanical signaling into the digital world and offer bridging functions. e:cue interfaces are the links to bring together the many techniques and technologies of lighting control.

Highlights

The DALI-2 Multi Sensor LS/MD for ceiling mounting is a DALI-2 certified device that combines a motion sensor and a light sensor. The device performs motion detection and measures illuminance. The DALI-2 Multi Sensor LS/MD can be operated with D4i LED drivers or luminaires; the luminaires simply need to be connected to the mains supply. The result is increased comfort for occupants and significant energy savings that meet the most demanding energy regulations for buildings. The sensor is suitable for low-bay applications that require a large detection area and sensor-based automation.

The DALI-2 Multi Sensor LS/MD can be powered via the DALI bus and does not require an additional power supply, which means simpler and faster wiring and installation.

- PIR motion detection
- Motion sensor instance type 3 (303)
- Illuminance measurement
- Light sensor instance type 4 (304)
- Recessed ceiling installation
- Cost-effective solution for energy savings
- Compatible with universal DALI-2 compliant central control unit that supports sensor input devices

Delivery Content

	Identcode
SYMPHO DALI-2 Multi Sensor LS/MD	AM466320055
Welcome note	
Instructions	

Optional accessories

SYMPL dali Node	AB444230035

Product Specifications

Dimensions (W x H x D)	83 x 83 (67 x 67) x 21 mm / 3.27 x 3.27 (2.64 x 2.64) x 0.83 in
Cutting Hole	70 ... 73 mm / 2.76 .. 2.87 in
Material / Color	ABS / White
Wire Gauge	0.2 ... 1.3 mm^2
Stripping Length	7 ... 9 mm / 0.28 ... 0.35 in
Certificates	CE, UKCA, DALI-2, RoHS

Electrical information

Power Supply	DALI Bus
Max. DALI Current Draw	6 mA
Control	DALI
Marking Terminals	DA, DA
Motion Detection Indicator	Red (motion detection)
DALI Indicator	Green (DALI)

Sensing

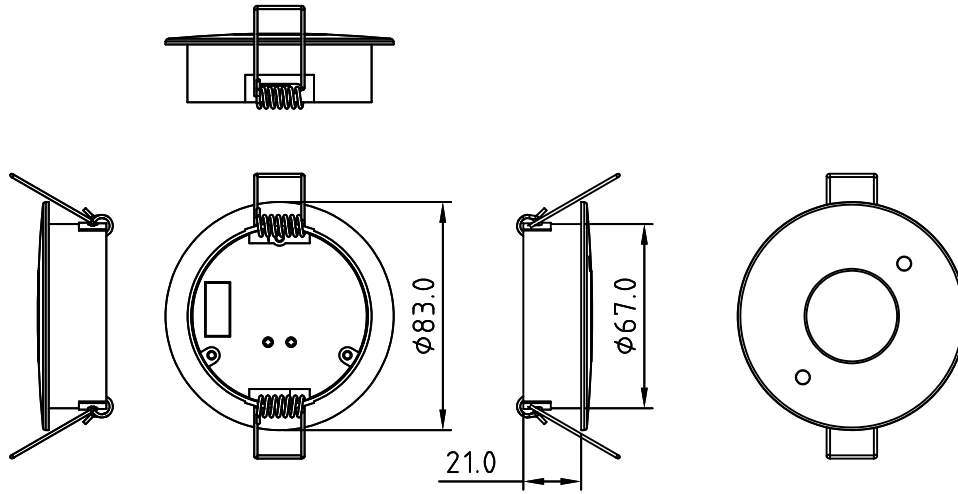|	
Motion Detection (62386 - 303)	PIR sensor
Light Sensor (62386 - 304)	Event: 0 ... 1000 Lux (10 bit), resolution: 10 Lux
Mounting Height	recommended height: 2.5 m / 8.2 ft
Detection Angle	130 °
Function	Configurable

Environment

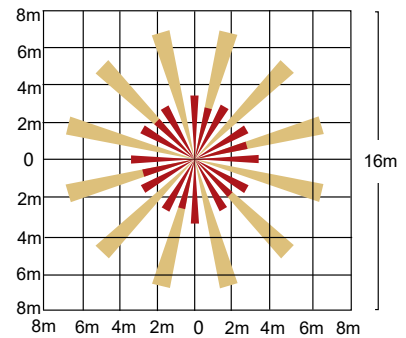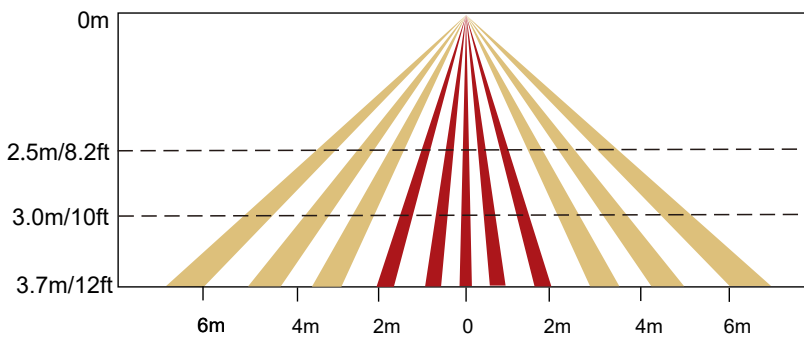|	
Operating Temperature Range	0 ... 40 °C / 32 .. 104 °F, indoor use only
Operating Humidity	0 ... 95% (non condensing)
Storage Temperature Range	-20 ... 70 °C / -4 ... 158 °F
Storage Humidity	15 ... 90% (non condensing)

Dimensions

Ø83.0
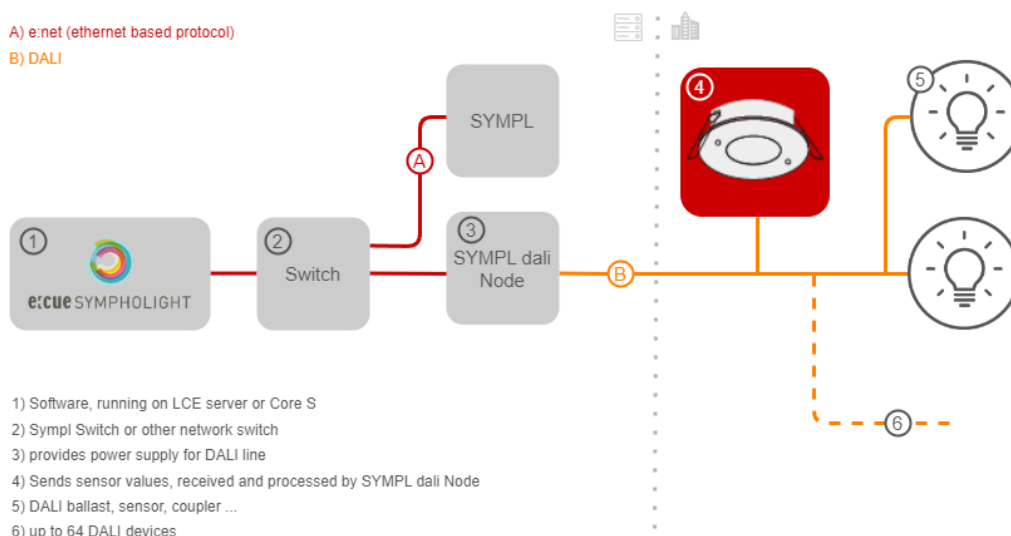Ø67.0
21.0

Detection Coverage

0m
2.5m/8.2ft
3.0m/10ft
3.7m/12ft

6m   4m   2m   0   2m   4m   6m

8m
6m
4m
2m
0
2m
4m
6m
8m

8m 6m 4m 2m 0 2m 4m 6m 8m

16m

System diagram

A) e:net (ethernet based protocol)
B) DALI

SYMPL

① e:cue SYMPHOLIGHT
② Switch
③ SYMPL dali Node
④
⑤
⑥

1) Software, running on LCE server or Core S
2) Sympl Switch or other network switch
3) provides power supply for DALI line
4) Sends sensor values, received and processed by SYMPL dali Node
5) DALI ballast, sensor, coupler ...
6) up to 64 DALI devices