



## LUXLINK<sup>®</sup> DALI High Bay Sensor

### Part Number – Link/DaliHBS

The Luxlink DALI High Bay Sensor is a high performance Passive Infra-Red sensor with an Active Infra-Red Receiver for local setting up and hand held control purposes only. The sensor can be configured for fully automatic Presence or semi automatic Absence detection via Luxonic’s Ethernet2dali or Toolbox software packages.

This sensor can switch On the lighting to any desired level and timeout in 2-phases as is normal with the afore mentioned software tools. The sensor connects directly to the DALI bus network for ease of installation when using Luxonic’s DALI Wiring System.

#### Product Features and Connectivity:

- Can be mounted up to 15m high
- 40m Diameter Detection Range at 15m 12-16m at 6m high
- Active infra-red control for hand held control & sensitivity adjustment
- Clip on Masking capability for customisation of detection area
- Programmable using Luxlink Ethernet2dali and DALI Software
- Can be supplied with cable and plug for connection at Luxonic modular wiring system
- A co-operative sensor for communication with other same group sensors in open plan applications
- Intermediate dim level prior to off or programmable for “off to dim” for call centre type applications



#### Installation Notes:

- All cabling must be rated at 230V

#### Application:

This sensor is ideal for use as part of Luxlink DALI Lighting Management System in projects where automated or semi automatic control of lighting is required at high levels up to 15m, i.e. Warehousing, or where the application of microwave detectors could be problematic. Ideally suited for projects where the building owner/occupier requires the ability to reconfigure the system according to their changing environment without 3<sup>rd</sup> party commissioning.

All Luxlink DALI field control devices are available with cable and modular wiring plug system assembly for network connection at the nearest Luxonic Luminaire when a Luxlink DALI modular wiring system is being installed.

#### Family Products (Network based):

Link/DaliSSmk2	Luxlink DALI Switching Sensor	Link/DaliCMMS	Luxlink DALI Ceiling Mounted Microwave Sensor
Link/DaliTCMMS	Luxlink DALI Tilting Long Range Ceiling Mounted Microwave Sensor		
Link/E2daliELS	Luxlink Ethernet2dali External Light Sensor		
Link/DaliMIU	Luxlink DALI Mini Input Unit		
Link/DaliSP	Luxlink DALI Scene Panel, 4-Scene		

Data subject to change without notice, E & OE, Revision B – 08/06/2016



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#### Technical Data

##### Connection

DALI: Removable connector with terminals  
0.5mm<sup>2</sup> – 1.5mm<sup>2</sup>, solid or stranded  
All Cables must be mains rated

##### Power

DALI Supply: 13V – 22.5V from DALI PSU  
DALI Consumption: 20mA

##### Operating Conditions

Ambient Temp: 10...35°C  
Relative Humidity: 90% Max. non-condensing  
Storage Temp: -10...+70°C

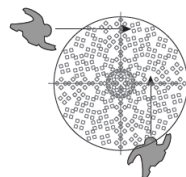
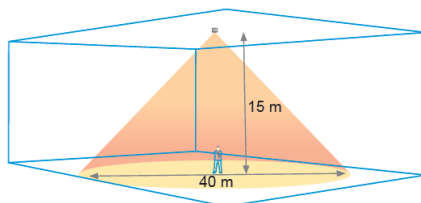
##### Mechanical Data

Finish: Satin white plastic  
Weight: 120g  
Material (casing): Flame retardant ABS  
Clearance Depth: 100mm with protective cover  
Gasket: Silicone ingress protection  
Masks: 2 adaptable masks included

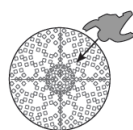
##### Conformity

EMC: Immunity: EN 61000-6-1  
Emissions: EN 61000-6-3  
Safety: EN 60730-1  
IP Rating: IP40 without gasket  
IP44 with gasket  
Environment: Complies with WEEE & RoHS Directives

##### Detection Pattern

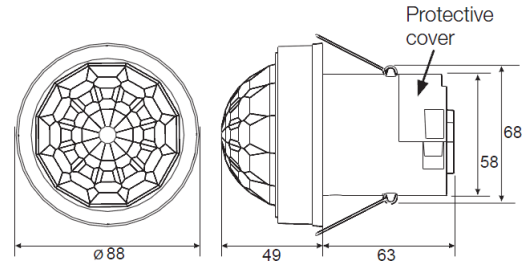


Height	Range diameter
15 m	40 m
10 m	26 m
6 m	16 m
3 m	9 m



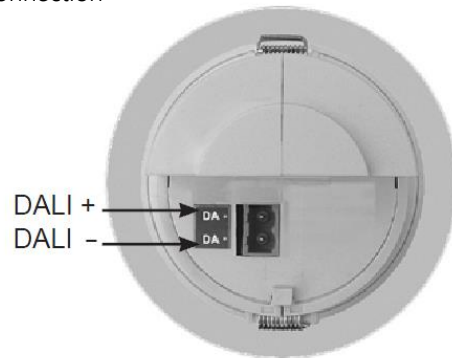
Height	Range diameter
15 m	30 m
10 m	20 m
6 m	12 m
3 m	8 m

#### Dimensions



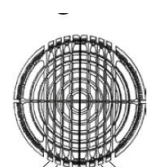
Hole diameter: Ø68 mm

#### Connection

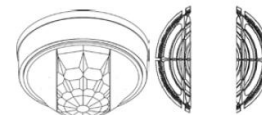


#### Masking

Two clip-on shielding masks are supplied with this sensor. Each can cover half of the sensor lens. Lateral or radial strips can be cut out of the masks to customise the detection area



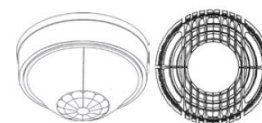
Slots: 1 2 3 4 4 3 2 1



Slot number	Masking shield approx. % coverage
1	45%
2	30%
3	20%
4	10%



Diameter number: 1 2 3 4 5 5 4 3 2 1



Diameter number	Masking shield approx. % coverage
1	90%
2	65%
3	45%
4	35%
5	20%