Introduction

The iLight DALI Multi-Sensor combines daylight sensing, occupancy detection and temperature measurement into a single device. The Multi-Sensor communicates over the Digital Addressable Lighting Interface (DALI) and allows for all device settings and groups to be adjusted remotely.

Mounting

The DALI sensor can either be recess mounted within the ceiling material or surface mounted utilising the supplied bracket and outer bezel in conjunction with octagonal mounting box: 665101 (Order separately).

Dimensions

[Diagram showing dimensions of the sensor]
Control wiring

The DALI Control Panel is provided with 2 x polarity-free wires used to connect to the DALI line.

Standard Recommended DALI cabling: 2-core mains rated cable of minimum gauge 1.5 mm². The total cable distance: 300m.

Typical DALI line schematic

Technical Information

Performance
- Input Voltage: 9.5 - 22.5 VDC supplied by DALI communication bus
- Coverage: MTS6 = 55m² or MTS12 = 110m² at 2.4m ceiling height
- Occupancy Detection Technology: Passive Infrared (PIR)
- Lens Type: Multi-level Fresnel 360°
- Daylight Sensing Range: 0 to 400 lux
- Daylight Sensing Coverage: Light input within 60° cone
- Temperature Detection Range: 0°C to 40°C
- Status Indicator: LED
- Operating Environment: 0°C to 40°C
- For indoor use only
- Dimensions: 91mm x 91mm x 36mm

Wiring & Mounting
- DALI: 0.75mm² (18 AWG) stranded PTFE plenum rated non-polarized pair
- Mounting: 101.5mm (4”) octagon junction box or 76mm (3”) hole in ceiling tile

Control Specification
- Communication Interface: Digital Addressable Lighting Interface (DALI)
- DALI Current Draw: 3.75mA
- Max number of DALI Multi Sensors per loop: 8

Standards
- Manufactured in an ISO 9001 certified factory

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