MTS6 & MTS12
DALI Ceiling Sensor with PIR and Daylight Sensing

Key Features
- Daylight sensing & occupancy detection technologies combined into a single device
- All device settings (timers, sensitivity and groups) programmable through software, no physical adjustments needed
- Ultra low profile and small diameter provides an aesthetically pleasing design
- Draws power from the DALI communication bus to eliminate the need for external power packs
- Sharing sensor data with third party automation systems significantly reduces total bill of materials
- Robust communication interface withstands accidental connection to power lines (up to 347V)
- CE compliant to all relevant standards
- Designed and manufactured to ISO9001:2015 standards.

Overview
The iLight DALI Multi-Sensor combines daylight sensing and occupancy detection 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.

Dimensions
**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
- **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

**Standards**
Manufactured in an ISO 9001:2015 certified factory

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**Detection**

MTS6 Coverage  
MTS12 Coverage  
MTS6 Coverage

**Typical Schematic**

![Typical Schematic Diagram](image)

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