Overview

Fifth Light’s 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.

Features

- Daylight sensing and 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)
Specifications

**Performance**
- **Input Voltage:** 9.5 - 22.5 VDC supplied by DALI communication bus
- **Coverage:** 600 or 1200 sq. ft. at 8’ 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:** 32°F to 104°F (0°C to 40°C) For indoor use only
- **Dimensions:** 3.6”H x 3.6”W x 1.4”D (91mm x 91mm x 36mm)

**Wiring & Mounting**
- **DALI:** 18 AWG stranded PTFE plenum rated non-polarized pair
- **Mounting:** 4” octagon junction box or 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 certified factory

Dimensions

**(Inches/mm)**
The DALI Multi-Sensor is designed to be installed into ceiling tile or onto a junction box.
**Coverage**

Model FLT-MS6-DALI  
Coverage Area 600 sq. ft.

Model FLT-MS12-DALI  
Coverage Area 1,200 sq. ft.

**System Architecture**

 Maximum of up to 64 devices on each DALI Bus. All devices must be within 300 feet of the Lighting Control Panel (LCP). 16/2 AWG recommended wire.

**Ordering**

<table>
<thead>
<tr>
<th>Catalog #</th>
<th>Description</th>
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<tbody>
<tr>
<td>FLT-MS6-DALI</td>
<td>600 sq. ft. DALI Multi-Sensor for daylighting and occupancy</td>
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<tr>
<td>FLT-MS12-DALI</td>
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