



Product specifications

Integrated advanced controls with:  
**LINEAR INDUSTRIAL FIXTURE**

Mesh network enabled  
 LED fixture, 120-277VAC



## PRODUCT OVERVIEW

The durability, waterproofing and easy installation make this Linear Industrial Fixture with the integrated Amatis Smart Driver and internal microwave sensor perfect for semi-outdoor commercial environments such as warehouses, parking lots and stairwells.

The Amatis Smart Driver is designed with 6LoWireless communication technology that enables advanced controls and dimming of the LEDs with available sensors and wireless switches.

The internal microwave sensor is capable of detecting motion with high-resolution and can see beyond obstructions that might prevent a line-of-sight sensor from detecting motion.



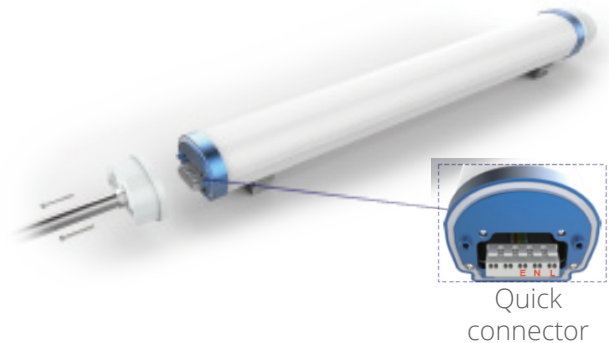
## FEATURES

|                                |  |
|--------------------------------|--|
| FIXTURE FUNCTIONALITY          | Waterproof, dustproof and corrosion proof  |
|                                | 40W linear   |
|                                | Extruded aluminum with polycarbonate impact resistant covering   |
|                                | Silver aluminum frame standard (white powder coated option available)  |
|                                | Integrated Amatis Smart Driver enables advanced controls and dimming of the LEDs                                     |
|                                | Internal microwave sensor enables high-resolution occupancy detection and has visibility through obstructions        |
| PLUG-N-PLAY INSTALLATION       | Recommended install height to be 6m  |
|                                | Up to 9 fixtures can be daisy chained together   |
|                                | Numerous side and rear 1/2" knockouts  |
| SIMPLE, WIRELESS COMMISSIONING | Remotely configurable / upgradeable  |
|                                | Amatis app easily commissions the AMBR and all devices on the mesh network   |
|                                | Unique IPv6 address  |
|                                | Real-time data uploaded to the Energy Dashboard  |
| CODE COMPLIANCE                | Enables compliance with ASHRAE 90.1-2016 and CA Title 24 Requirements  |
| WARRANTY                       | 10-year limited warranty on controls components following uninterrupted cloud connection of the Amatis Border Router |

## DIMENSIONS



| A - LENGTH | B - DEPTH | C - HEIGHT |
|------------|-----------|------------|
| 4ft        | 109mm     | 84mm       |



## COMPLETE YOUR AMATIS SYSTEM



Connect with  
AMATIS BORDER  
ROUTER (AMBR)



Retrofit with  
SMART DRIVER



Enable smart fixtures with  
ADVANCED LOAD  
CONTROLLER



Detect MLTH with  
SENSORS



One-touch power with  
BATTERY OR WIRED  
SWITCHES

## TECHNICAL SPECIFICATIONS

|                 |                                    |  |
|-----------------|------------------------------------|--|
| COMMUNICATION   | Wireless transmit range*           | Amatis Border Router (AMBR): Up to 200 feet to nearest mesh connected device<br>Advanced Load Controller: Up to 200 feet to nearest mesh connected device<br>Smart Driver: Up to 200 feet to nearest mesh connected device<br>Sensor 1: Up to 200 feet to nearest mesh connected device<br>Sensor 2: N/A; connects with Advanced Load Controller or Smart Driver for wireless communication<br>Switches: Up to 75 feet to nearest mesh connected device  |
|                 | Communication protocol             | 6LoWireless is built on IPv6 protocol standards  |
|                 | Encryption                         | AES 128-bit  |
| CLOUD / NETWORK | # of edge devices per cloud system | Up to 10,000 devices on a single app instance. Border Routers can be added modularly to support every 100 connected devices.   |
|                 | Software updates (edge devices)    | Updates to the Advanced Load Controller, Smart Driver and Sensor 1 are performed over the air via the app, as frequently as every two weeks. Updates to the AMBR are run directly via the LAN/VPN connection as frequently as monthly.   |
|                 | Software updates (cloud server)    | Frequently updated over the air  |
|                 | Alert mechanisms                   | Power for Advanced Load Controllers and Smart Drivers is indicated via the illuminated blue LED button, when communicating to a nearby AMBR, and have a flashing blue when powered but not communicating with an AMBR. Power for sensors is indicated via a green LED light.<br><br>Power and Internet connectivity for the AMBR are indicated through a successful lighting sequence ending in a flashing blue light.<br><br>Offline devices are escalated in the Amatis app in the "Errors" section. |
| ENVIRONMENTAL   | Installation environment           | Commercial, Indoor/Covered: Parking Garages  |
|                 | Temperature ranges                 | Amatis Border Router (AMBR): 32-131°F (0-55°C); 5-95% RH, non-condensing<br>Advanced Load Controller: 5°F (-15°C) to 130°F (+55°C)<br>Smart Driver: -4°F to 104°F, -20°C to 40°C<br>Sensor 1: -20°F to +100°F (-28°C to 37°C)<br>Sensor 2: -20°F to +100°F (-28°C to 37°C)<br>Switches: 4°F to 140°F (-20°C to 60°C)   |
| GENERAL         | Standards / Ratings                | Smart Driver: FCC, UL 508 and UL 2043<br>Linear Fixture: UL IFAM/IFAM7 (E494714)<br>Device contributes to Amatis system compliance with ASHRAE 90.1-2016 and CA Title 24 requirements  |

\*Based on clear line of sight. Interior obstructions may limit range.

Note: Actual performance may vary as a result of end-user environment and application. Specifications subject to change without notice.

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