



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.

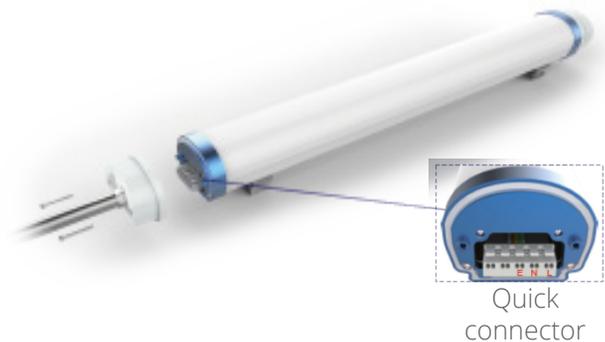
FEATURES

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 Advanced Load Controller: Up to 200 feet to nearest mesh connected device Smart Driver: Up to 200 feet to nearest mesh connected device Sensor 1: Up to 200 feet to nearest mesh connected device Sensor 2: N/A; connects with Advanced Load Controller or Smart Driver for wireless communication 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. Power and Internet connectivity for the AMBR are indicated through a successful lighting sequence ending in a flashing blue light. 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 Advanced Load Controller: 5°F (-15°C) to 130°F (+55°C) Smart Driver: -4°F to 104°F, -20°C to 40°C Sensor 1: -20°F to +100°F (-28°C to 37°C) Sensor 2: -20°F to +100°F (-28°C to 37°C) Switches: 4°F to 140°F (-20°C to 60°C)
GENERAL	Standards / Ratings	Smart Driver: FCC, UL 508 and UL 2043 Linear Fixture: UL IFAM/IFAM7 (E494714) 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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