SENSORS AND CONTROLS

Metalumen

PARTNERS / COMPATIBILITY

INDOOR	
Crestron SOLARSYNC COMPATIBLE	Crestron's SolarSync sensor enables indoor lighting to mirror the color and intensity of natural daylight throughout the day. Supporting tunable white control, SolarSync helps create dynamic, human-centric spaces where circadian lighting and visual comfort are priorities.
WattStopper® A legrand brand	Wattstopper, a Legrand brand, offers standalone luminaire sensors for on/off control, dimming, occupancy sensing, and multi-zone daylight harvesting. Designed for simple integration and energy savings, Wattstopper's solutions support both code compliance and scalable building control strategies.
CASAMBI	Casambi delivers Bluetooth® Low Energy-based wireless lighting control for modern spaces. Its platform provides cost-effective, future-proof solutions for dimming, scene setting, and wireless network control, all managed easily through mobile devices or wall interfaces.
SILVAIR	Silvair's wireless platform leverages Bluetooth Mesh technology to enable intelligent lighting control across global projects. Focused on rapid deployment and sustainability, Silvair solutions help upgrade both new and existing spaces with IoT-ready, high-performance building systems.
HUBBELL® Control Solutions	Hubbell's NX Distributed Intelligence™ platform offers seamless lighting control, scalable from individual rooms to multi-location properties. Supporting both wired and wireless technologies, NX simplifies design flexibility with a unified interface for energy management and building control.
LUTRON® ATHENA WIRELESS LUTRON	Athena Wireless Nodes enable digital control for on/off, dimming, tunable white lighting, and occupancy sensing. Designed for seamless integration with Lutron's Athena and Vive systems, these nodes provide scalable, wireless lighting control using EcoSystem® communication.

OUTDOOR	
MW Connect	mwConnect (formerly McWong) delivers advanced control solutions for outdoor lighting applications. Designed for durability and performance, mwConnect integrates features like adaptive dimming, motion sensing, and daylight response to optimize energy use and enhance safety. Its robust platform ensures reliable operation across diverse environmental conditions, making it ideal for smart outdoor lighting systems.

Metalumen

570 Southgate Drive, Guelph, Ontario N1G 4P6
Mailing Address: P.O. Box 1779 Guelph, Ontario, N1H 6Z9
1.800.621.6785 | T 519.822.4381 | www. metalumen.com

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SPEC SHEET ORDER LOGIC CODES REFERENCE GUIDE

Sensors and Controls

Metalumen offers intelligent standalone and connected luminaires with a range of integrated sensing and control* connectivity options. The table below highlights common combinations. For other solutions or specific sensing needs, contact us to discuss your project requirements.

Control system installation and commissioning by others.

Example part numbers:

WattStopper Daylight Sensor Standalone Luminaire: XXXX-1LXXK-12-MB-W-LX1-X-1-**DW**-XX
Occupancy Sensor with Casambi Wireless Bluetooth Mesh Control Capability: XXXX-1LXXK-12-MB-W-LX1-X-1-**O-CAB**-XX

ORDER LOGIC FIELDS		SENSOR FEATURE / BEHAVIOR		LUMINAIRE CONTROL / CONNECTIVITY	DESCRIPTION
11. SENSORS	**12. CONTROLS**	**OCCUPANCY (PIR)**	**DAYLIGHT HARVESTING**		
OF -		🚶	None	Standalone	Factory Sensor - Occupancy Behaviors configured via BLE App
OW -		🚶	None	Standalone (WattStopper)	Wattstopper Standalone Occupancy Sensor
DW -		None	☀️	Standalone (WattStopper)	Wattstopper Standalone Daylight Harvesting Sensor
ODW -		🚶	☀️	Standalone (WattStopper)	Wattstopper Standalone Occupancy and Daylight Harvesting Sensors
O -	**CAB**	🚶	None	Casambi Bluetooth Mesh	Casambi Bluetooth Mesh Connectivity with Occupancy Sensing
OD -	**CAB**	🚶	☀️	Casambi Bluetooth Mesh	Casambi Bluetooth Mesh Connectivity with Daylight Harvesting and Occupancy Sensing
-	**CAB**	None	None	Casambi Bluetooth Mesh	Casambi Bluetooth Mesh Connectivity (no sensors)
O -	**SLVR**	🚶	None	Silvair Bluetooth Mesh	Open Standard Bluetooth Mesh Connectivity with Occupancy Sensing
OD -	**SLVR**	🚶	☀️	Silvair Bluetooth Mesh	Open Standard Bluetooth Mesh Connectivity with Daylight Harvesting and Occupancy Sensing
-	**SLVR**	None	None	Silvair Bluetooth Mesh	Open Standard Bluetooth Mesh Connectivity (no sensors)
-	**CLM**	None	None	Connected Lighting Module	Connected LIghting Module
OD -	**SLM**	🚶	☀️	SensiLum	SensiLum Connectivity with Occupancy and Daylight Harvesting
-	**DALI**	None	None	DALI addressable wired Luminaire	Generic DALI addressable luminaire

Crestron **SOLARSYNC** COMPATIBLE

CASAMBI

HUBBELL® **HUBBELL Control Solutions**

SILVAIR

WattStopper® A **legrand** brand

MW Connect

Metalumen

SPEC SHEET ORDER LOGIC CODES REFERENCE GUIDE

Sensors and Controls | Lutron

Metalumen offers intelligent luminaires with integrated Lutron control solutions. The table below highlights common combinations. For custom solutions or project-specific needs, please contact us.

*Note: Control system installation and commissioning by others.

Example part numbers with Lutron options:

XXXX-1LXXK-12-MB-W-LX1-X-1-**OD-VRF**-XX
XXXX-1LXXK-12-MB-W-LX1-X-1-**D-FCS**-XX

ORDER LOGIC FIELDS			SENSOR FEATURE / BEHAVIOR		LUMINAIRE CONTROL / CONNECTIVITY	DESCRIPTION
11. SENSORS		**12. CONTROLS**	**OCCUPANCY (PIR)**	**DAYLIGHT HARVESTING**		
	-	**ECOS**	None	None	Lutron EcoSystem	Lutron Ecosystem addressable wired luminaire NOTE: See Driver Selection options for specific driver
	-	**AWNR**	None	None	Lutron Athena Wireless Node	Lutron Athena wireless node integral fixture control (RF only)
OD	-	**AWNS**	🚶	🌤	Lutron Athena Wireless Node	Lutron Athena wireless node integral fixture control (RF with daylight and occupancy sensing)
OD	-	**VRF**	None	None	Lutron Vive Fixture Controls	Lutron Vive integral fixture control (RF only)
OD	-	**VDO**	🚶	🌤	Lutron Vive Fixture Controls	Lutron Vive integral fixture control (RF with daylight and occupancy sensing)
	-	**FCJSO**	None	None	Lutron Vive Fixture Controls	Lutron Vive attached fixture control (RF only for 0-10V drivers)
	-	**FCJSE**	None	None	Lutron Vive Fixture Controls	Lutron Vive attached fixture control (RF only for Lutron EcoSystem drivers)
D	-	**FCS**	None	🌤	Lutron Vive Fixture Controls	Vive wireless individual fixture control optional daylight sensor

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INTELLIGENT STANDALONE LUMINAIRES

Metalumen's intelligent standalone luminaires feature integrated occupancy and daylight sensors for individual luminaire control. Unlike traditional systems that rely on a single sensor to control multiple fixtures, each standalone luminaire includes its own sensor, enabling precise, energy-efficient lighting based on real-time conditions.

Bluetooth-enabled models allow easy configuration via a mobile app - no need for ladders or manual adjustments. Customize settings like vacancy delay, brightness, and sensitivity quickly and intuitively.

INTELLIGENT CONNECTED LUMINAIRES

Metalumen also offers connected luminaires compatible with leading smart lighting platforms. These fixtures support flexible zoning, behaviour adjustments, and advanced data insights - such as occupancy trends, energy usage, and environmental monitoring.

Sensor data can integrate with other building systems (e.g., HVAC, security) or support IoT applications for smarter building management.
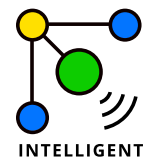
Available as integrated or modular solutions. Contact Metalumen for availability.

Note: Control systems, installation, and commissioning provided by others.

KEY BENEFITS

- Advanced sensing: occupancy, daylight, temperature
- Energy monitoring and savings
- Compliance with building and energy codes
- Easy re-zoning for evolving space needs
- Space utilization insights to reduce waste or uncover opportunities
- Personalized control for enhanced comfort and productivity

*Look for the **Metalumen Intelligent Luminaires** logo to identify fixtures with integrated sensor and control options*

INTELLIGENT

Contact Metalumen with your sensor preferences and we'll help you find the right solution.

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