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Mx-OPUS-CLML10V

FIXTURE INTEGRATED LIGHTING CONTROL

OVERVIEW:

Magnum's Fixture Integrated Mx-OPUS-CLML10V Node, when connected to 0-10V dim-to-off drivers, enables any lighting manufacturer to deliver simple, fully connected fixtures. The small and sleek, cylindrical form factor includes a digital PIR sensor and ambient light sensing for daylight harvesting applications as well as occupancy based control. The Mx-OPUS-CLML10V can be powered by a driver fed auxiliary source if available or from any 12-36 VDC / 12-24 VAC source. The Mx-OPUS-CLML10V allows for 0-10V dimming and dim-to-off functionality, providing continuous dimming control to conserve energy, simplify maintenance and personalize the lighting environment. The Mx-OPUS-CLML10V is appropriate for fixtures up to 15 feet and is rated for wet locations.

OPTIONS IN OPERATION:

Local Control: An on board microprocessor and memory allows for standardized operation at the fixture level, eliminating the reliance on software or network configuration. Mx-OPUS-CLML10V can be utilized out of the box with default settings or configured for advanced operation through Magnum's AirConfig software tool (download.magnumes.net). Preferences and behavior settings can be accomplished using simple drag and drop remote configuration in a localized fashion, even after installation is completed.

Software Driven: The Mx-OPUS-CLML10V can also be used with Magnum's VenergyUI software, allowing users to control lighting with their mobile devices.

Integration to BAS: The Mx-OPUS-CLML10V has the ability to communicate information through Magnum's eBox (Mx-EBOX) and into an existing building automation system. The convergence of lighting and building automation allows for granular information to be communicated to the BAS for improved operational efficiency.



*Subject to change

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FEATURES:

- Full digital passive infrared for occupancy sensing
- Powered from driver or any available 12-36 VDC / 12-24 VAC source
- Wireless communication
- Daylight harvesting
- Compatible with 0-10V, dim-to-off LED drivers
- Remotely configurable

TECHNICAL DATA:

Part Numbers (Frequency Dependant)	M9-OPUS-CLML10V (902 MHz - North America) M8-OPUS-CLML10V (868 MHz - Europe & China) MJ-OPUS-CLML10V (928MHz - Japan)
Motion Sensing	Digital Passive IR
Detection Distance	16.404 ft (5 m)
Detection Range (Horizontal x Vertical)	94° x 82°
Detection Zone	64 Zones
Ambient Light Sensing	0-94.8 FC (0-1020 LUX) Photo IC type
Operating Temperature	32° - 140°F (0° - 60°C) - Indoor use only
Input Voltage	12-36 VDC / 12-24 VAC
Output	0-10VDC @ 30mA (sinking driver) 5mA (sourcing driver)
Standby Power	< 1W
Enclosure	ABS Plastic
Wireless Protocol	EnOcean Wireless Protocol
Wireless Range	150 ft (50 ft to 150 ft typical)
Certifications	IEC 62386-101:2014 IEC 62386-103:2014
Dimensions	Tube diameter: 1.00" (25.4 mm) Tube Length: 2.815" (71.50 mm) Cap diameter: 1.202" (30.53 mm) Total Length: 3.089" (78.46 mm)



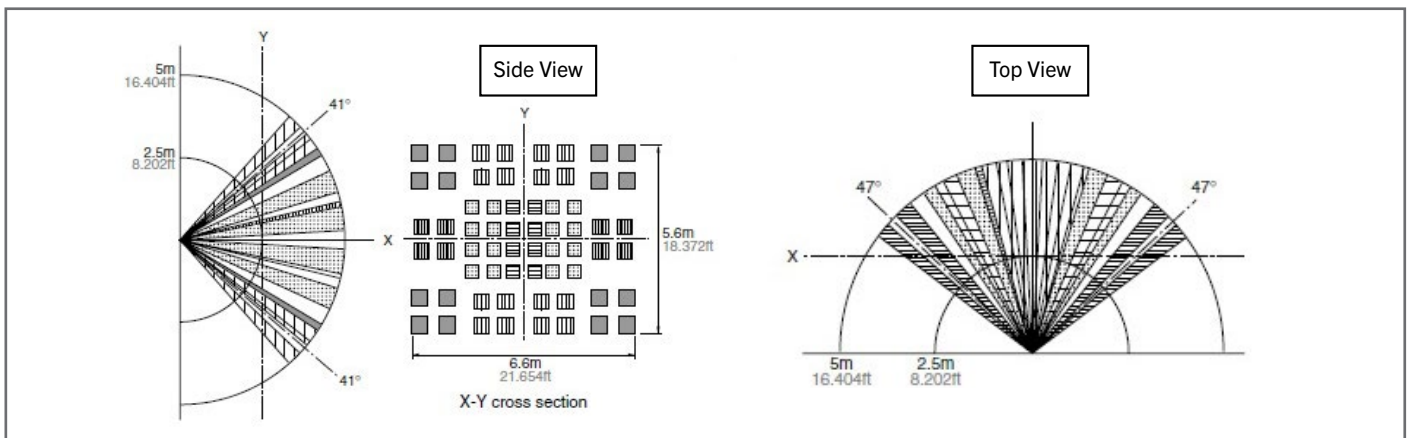
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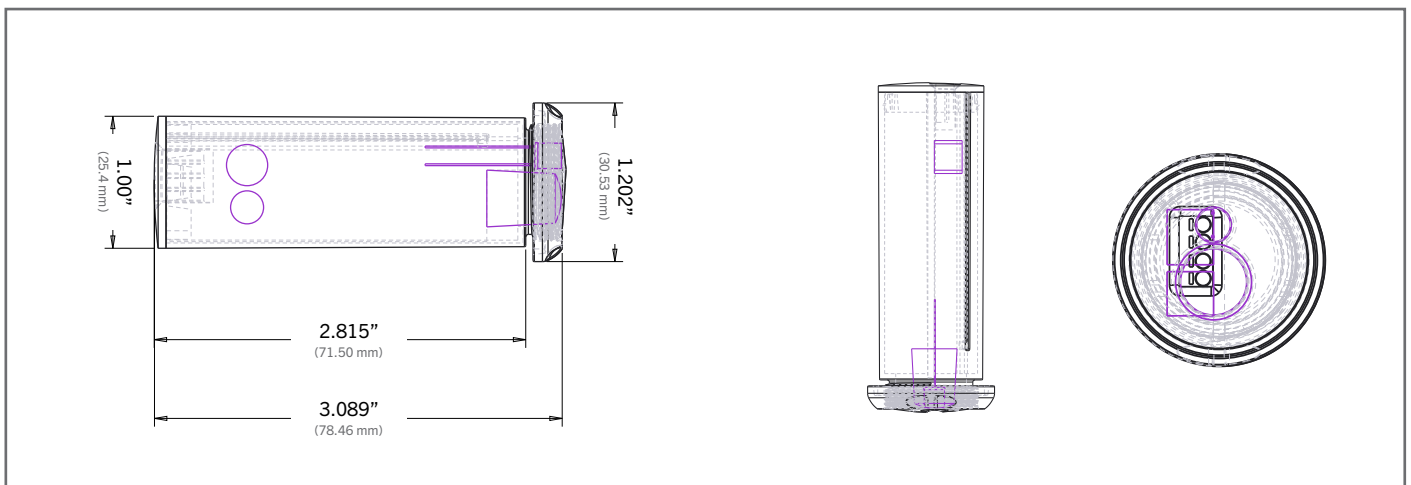
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DETECTION PERFORMANCE:



DIMENSIONS:



*Subject to change

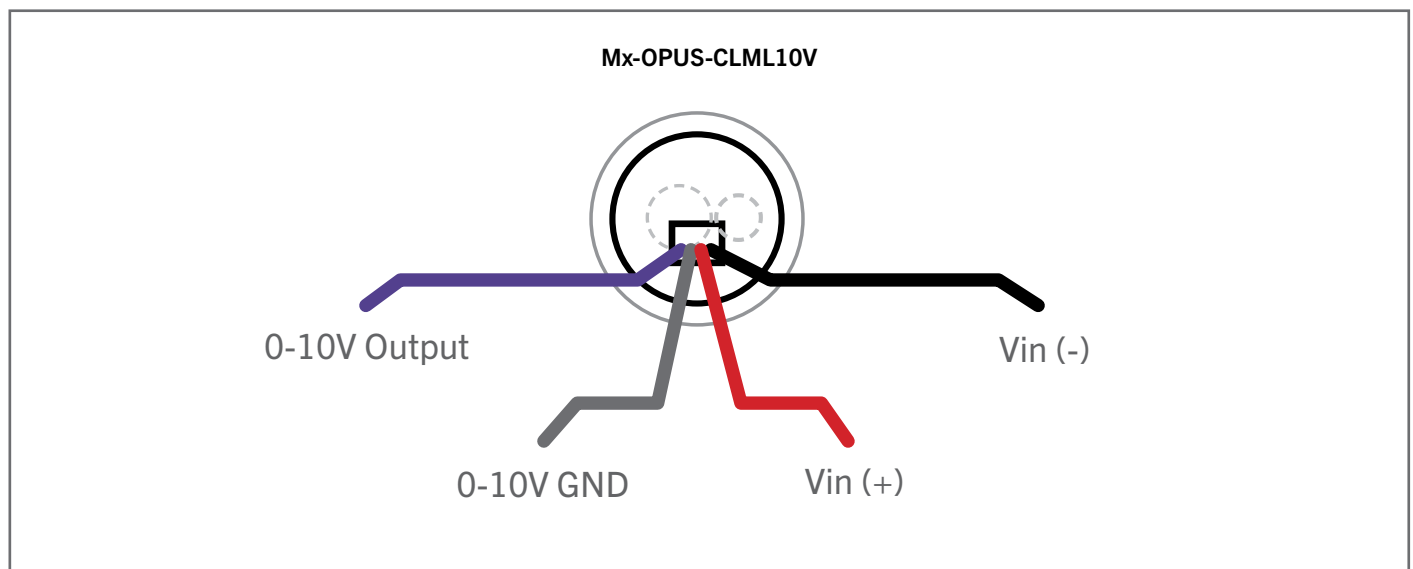
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WIRING DIAGRAM:



ENVIRONMENTAL CONCERNS:

- Humidity degree: 15 to 85%Rh (Avoid condensation or freezing of this product)
- Pressure: 86 to 106KPa
- Overheating, oscillations, shocks can cause the sensor to malfunction.
- This sensor is not waterproof or dust-proof. Avoid use in environments subject to excessive moisture, condensation, frost, containing salt air or dust.
- Avoid use in environments with corrosive gases.

For tutorial videos regarding the OPUS product line, please visit MES on [YouTube](#).