Lighting Controls

BTSMP SERIES
BLUETOOTH® LOW MOUNT OUTDOOR PASSIVE INFRARED FIXTURE SENSOR

FEATURES

• Passive Infrared (PIR) sensing technology provides excellent major motion detection

• Wireless programming using NX Lighting Controls mobile app

• 0-10V Dimming control

• Single/Dual motion sensor timer modes

• Daylight sensor with multiple daylight harvesting modes

• 360° and aisle coverage options

• Compact, discrete, low profile luminaire sensor

• Supports low temperature, water-tight and outdoor applications

BTSMP-LMO

BTSMP-LMO-A

Title 24 | cULus LISTED | IP65 | Bluetooth
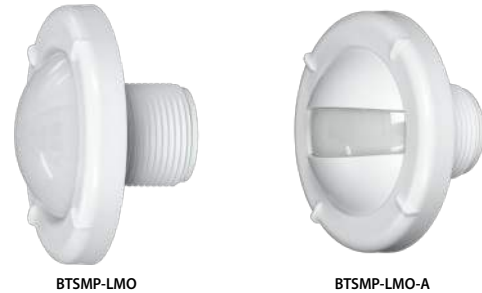
SPECIFICATIONS

CONSTRUCTION
• ABS (UL-945VA) flame class rating, UV inhibitors

• 4.0 oz (113.0g)

• White, Black, Gray finishes available

• External: 1.0" (25.4mm) H, 3.5" (84.6mm) W

• Internal Thread: 1.3" (27.94mm) L, 1.4" (35.6mm) W

ELECTRICAL
• Low Voltage sensors: 12-32VDC (Requires Dim to Off driver with auxiliary power or low voltage power supply - Not included)

• Dimming: 0-10V; Capable of sinking up to 30mA

• Bluetooth Radio: V5.0

OPERATION
• Indoor/Outdoor use

• 1:3 (Mounting Height : Coverage Radius); Up to 16ft

• Operating temperature: -40°F to 149°F (-40°C to 65°C)

• Wireless programming of sensor settings using NX Lighting Controls mobile app. Maximum programming distance: 45 Ft

• Easy to use slider controls for sensor settings

OPERATION (CONTINUED)
• Motion sensor and photosensor test modes

• Configurable LED motion indicator

• Single/Dual Motion Sensor Timer Modes

    • Single Timer Mode: Timer (0 secs - 30 minss), Level Adjustment (0-100%)

    • Dual Timer Mode: Timer 1 (0 secs - 30 mins), Level Adjustment (0-100%), Timer 2 (0 min - 5 hrs)

• Multiple Daylight Harvesting Modes

    • Full range dimming with auto configuration (closed loop operation)

    • Legacy dimming (open loop operation)

    • Dusk to dawn (On/Off operation)

    • Disabled (Default)

• Device Cloning: Sensor settings can be saved to device profiles and then cloned to other sensors

• Patented Intelliscope™ technology showing real-time occupancy data

• Security

    • Passcode protection to prevent unwanted changes

• Factory Defaults: Sensor can be set to factory defaults using the app

OPERATION (CONTINUED)
• Over the Air (OTA) firmware updatable

• Dual element pyrometer and spherical Fresnel lens designed for robust detection of person walking

DAYLIGHT SENSOR
• Range: 1 to 50fc or 5 to 500fc

CERTIFICATIONS
• Conforms with UL STD 508, UL STD 244A

• IP65 Rated

WARRANTY
• 5 year limited

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ORDERING GUIDE
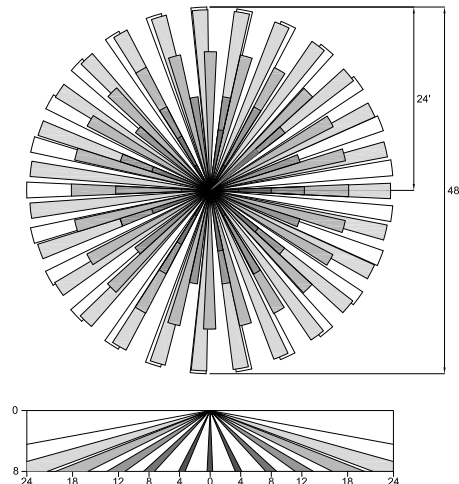
Example: BTSMP-LMO, BTSMP-LMO-A-BK

CATALOG #

BTSMP		
Model	**Sensor Type**	**Color**
BTSMP Bluetooth Sensor Module with Passive Infrared Sensing Technology, 24VDC	**LMO** Low Mount Outdoor, 360° Lens **LMO-A** Low Mount Outdoor, Aisle Lens	**Blank** White **BK** Black **GY** Gray

DIMENSIONS

2.3"
(58.4mm)

1.4"
(35.6mm)

1.3"
(33.0mm)

3.5"
(88.9mm)
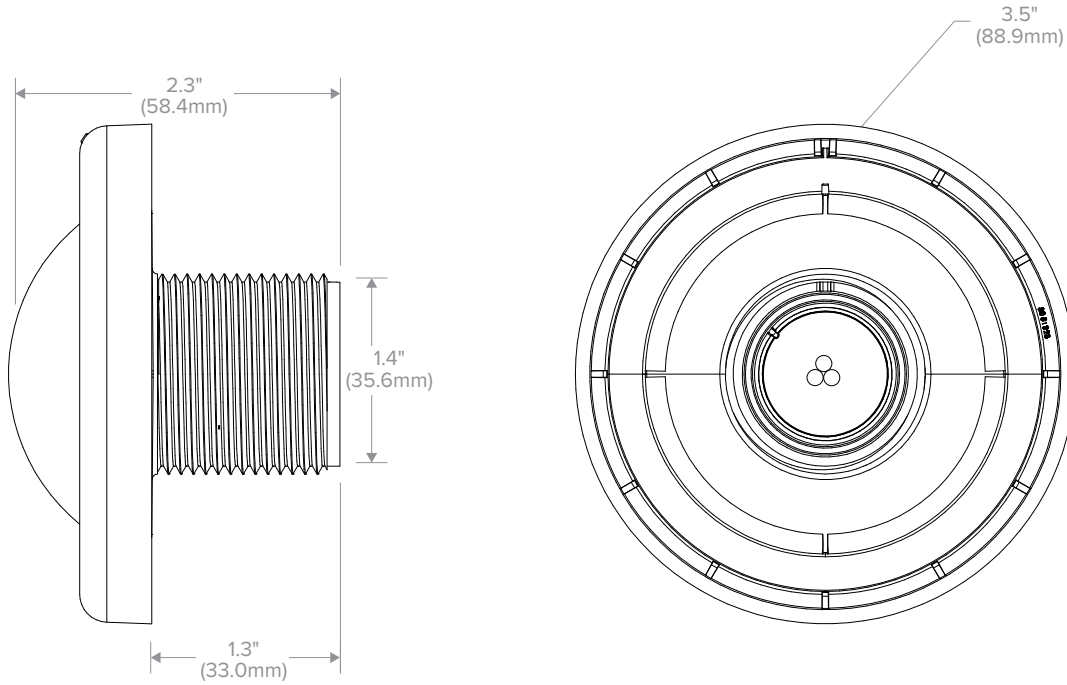
ADDITIONAL INFORMATION

Coverage Patterns

24'

48'

0

8

24   18   12   8   4   0   4   8   12   18   24

**Sensor Lens Coverage and Detection Patterns
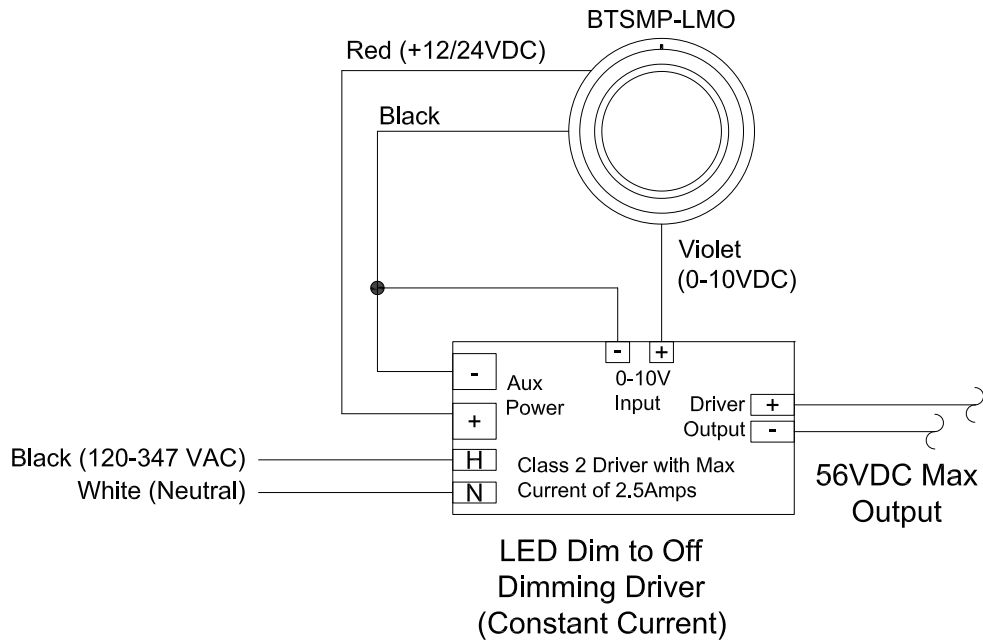When Mounted at 8ft with Low Mount Lens**

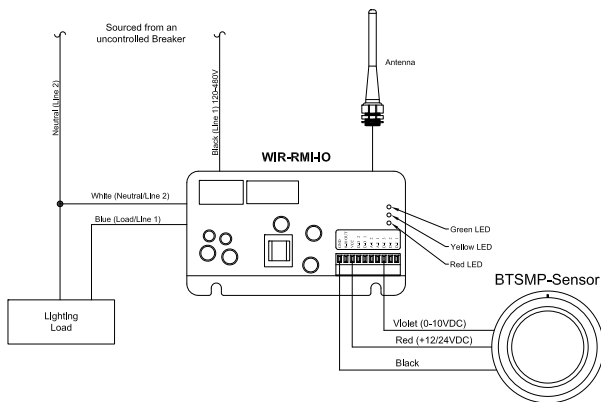# Lighting Controls

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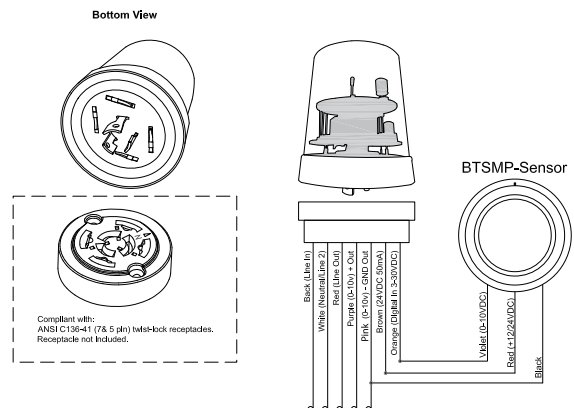### ADDITIONAL INFORMATION (CONTINUED)

Wiring Diagrams

BTSMP Sensor Connected to Dim to OFF Driver with Aux Supply (+12/24VDC)

NOTE: Disconnect power prior to installation.

wiSCAPE® Wiring Diagram with WIR-RMI-IO with a BTSMP Sensor

NOTE: Disconnect power prior to installation.

wiSCAPE Wiring Diagram with WIR-RME-L with a BTSMP Sensor

Default Settings

Occupancy Sensor	Enabled
Occupancy Sensor Sensitivity	7
Occupancy Sensor Timeout	8 Minutes
Occupied Dim Level	100%
Unoccupied Dim Level	0% (OFF)
Daylight Sensor	Disabled

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