

PROJECT INFORMATION	
JOB NAME	
FIXTURE TYPE	Motion and Photocell Sensor
CATALOG NUMBER	
APPROVED BY	



**FEATURES & SPECIFICATIONS**

**Description**

- The IMSBTxL integrated fixture mount sensor is designed for use with switching or 0-10v LED dimming drivers. The sensor uses PIR detection technology and advanced optics to provide an exceptional field of view for mounting heights from 8-40ft.
- The sensor detects motion and turns lights on when an occupant passes in or out of the sensor zone. The lights remain on as long as the occupant moves through the sensor zones. When motion is no longer detected the sensor will turn off the lights after a timeout period.
- The sensor uses a minor motion feature to detect small body movements which allows the lights to stay on when individuals in the space are nearly stationary. The major motion feature exhibits a lesser degree of sensitivity requiring larger movements.
- Configuration is made using the Leviton Smart Sensor App from a smartphone or other Bluetooth enabled Android or iOS device.

**Features**

- IP66 rated (when installed in an appropriate IP66 rated enclosure/ fixture)
- UNV Fixtures
  - 120-277VAC 1-pole
- HV Fixtures
  - 120-347VAC 1-pole
  - 208-480VAC 2-pole
- Mesh grouping
  - 16 devices per group
  - Occupancy
  - Daylighting
- Scheduling (HV models only)
  - Weekly scheduling
  - Time clock or astronomical clock
  - Change level, operating mode, daylight mode
  - Models without the integral scheduling feature can be part of a group with scheduling
  - Controls LED lighting loads up to 6.7A
- Single-level switching
- Occupancy mode
  - Disabled (Photocell only)
  - Auto-ON/Auto-OFF
- 360° field-of-view provides up to 8,250 square feet of coverage
  - 8-20 ft. and 20-40 ft. lenses plus aisle way masks included
- Daylight control modes
  - Disabled
  - Ambient light hold OFF (switching)
  - Daylight harvesting (0-IOV continuous dimming)
  - Daylight Transition Lighting (reverse daylight harvesting)
- Out-of-the-box configuration default mode
  - Auto-ON/Auto-OFF with 20-minute timeout
  - Sensitivity set to high
  - Daylight harvesting enabled with auto calibration enabled

OVERVIEW	
MOUNTING HEIGHT (FT)	8 - 40
COVERAGE RANGE (FT)	5 - 50
COVERAGE AREA (FT <sup>2</sup> )	8,250
OPERATING TEMPERATURE	-40°C to 75°C (-40°F to 167°F)

- Advanced configuration is made using the Leviton Smart Sensor App on any Bluetooth-enabled Android or iOS device
  - Adjust the sensitivity of the sensor to increase or decrease coverage area
  - Adjust timeouts
  - Set and configure daylight mode
  - Auto and manual calibration
- Set a security code to lock configuration settings
- Configure dimming options such as high and low trim, partial-OFF, and partial-OFF timeouts
- This fixture is equipped with a smart motion sensor that is programmable by using an app and your smartphone.
- Scan the QR code below on your mobile device and follow the instructions:



LEVITON App



Apple



Android

- For technical support contact us at [controls.support@lsicorp.com](mailto:controls.support@lsicorp.com) or call (800) 436-7800, option 4.

**OPERATIONS**

OUT OF BOX PROGRAMMING	ON EVENT	ON LIGHT LEVEL	DAYLIGHT HARVESTING	DELAY TO OFF	SENSITIVITY
IMSBTxL	Motion	100%	On; Auto Calibration	20 minutes	High

OPERATION	OPERATION DESCRIPTION
<b>On Event</b>	Trigger that activates lights to turn on
<b>On Light Level</b>	The light level that the fixtures will turn on to when ON EVENT occurs
<b>Dim Light Level</b>	The light level that the fixtures will dim down to when no motion is detected
<b>Delay to Dim</b>	The amount of time after which no motion is detected that the fixtures will be triggered to dim down. This sequence is optional and sensor can be programmed to only trigger the fixture to turn off by entering 100% in this field.
<b>Delay to Off</b>	The amount of time after which no motion is detected that the fixtures will be triggered to turn off. If delay to dim is part of the programmed functionality, this is the amount of time after which no motion is detected after the fixture have already dimmed down.
<b>Sensitivity</b>	The sensitivity can be set to high, medium, low or auto where applicable. High will detect smaller, simple motions. Low will only detect larger more complex motions. Auto temperature calibration adjusts the PIR sensitivity as ambient temperature rises to increase detection of heat movement through the field of view.

**SENSOR COVERAGE**

