



Fixture PIR Sensor

The ILLUMRA™ Wired Fixture Occupancy Sensor works with ILLUMRA™ Bluetooth® Fixture Controller to allow fine-tuned control of luminaires by using PIR occupancy detection, and signaling when a space has been unoccupied for a set period of time. For Low and Mid-bay applications.

Fixture mounting can be completed in a manner of minutes. The NWO-OFX sensor is wired directly to the Fixture Controller, not needing mains wiring.



- Works with ILLUMRA Bluetooth® Fixture Controllers
- Up to 20 ft. High installation
- Up to 50 foot diameter detection
- IP66 rated
- Adjustable sensitivity



Applications



Retrofitting



New Construction



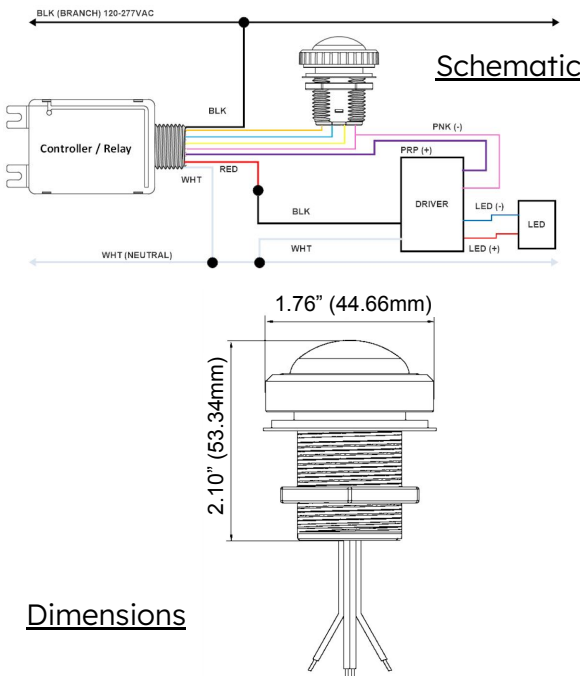
Classrooms



Offices



Warehousing



Specification:	NWO-OFX Model
Detection Dist.	50 ft. (17m) diameter @20ft (6.5m) mounting ht.
Mounting Ht.	8-20 ft. (2.5-6.5m) recommended
Detection	Omni-directional quad element pyroelectric (PIR)
Detection Speed	1~10 Ft/Sec (0.3~3 m/s)
Compatibility	Works with ILLUMRA BTX-DUV-10VFX
Installation	1.30"Ø [33 mmØ] mounting hole
Dimensions	2.1"L x 1.76"Ø [53.3x44.6Ø]
Amb. Op. Temp.	-22°F to 185°F [-30°C to +55°C]
Environmental	IP 66
Compliance	UL 95-5VA, UL1376 FCC ID: 2A26YLTkvt2021, DID:D057145 RoHS compliant

Ordering (example: NWO-OFX)

NWO	-	O	FX
Universal sensor		O = Occupancy	FX = Fixture Sensor

This device or certain aspects thereof is protected by at least one U.S. or International patent or has at least one such patent application pending



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COMPATIBILITY

Name	Model	Uses
Wireless Switch	BTX-S5BWH	Wireless Wall Switch Bluetooth Mesh
LED Fixture Controller	BTX-DUV-10VFX	3A LED Fixture Controller Bluetooth Mesh
Wired Occupancy Sensor	NWO-OFX	Wired PIR Occupancy Sensor for Bluetooth Mesh

LINKS

[Product Page](#)



BTX-S5BWH



BTX-DUV-10VFX

COMMISSIONING APP



Commissioning App
Download QR Code

BID SPECIFICATION~

Universal Occupancy Sensor for ILLUMRA Bluetooth Mesh Network

Part 1. Wired Occupancy Sensor for ILLUMRA Bluetooth Mesh System

A. Basis of Design: NOW-OFX Passive Infrared Fixture mounted Vacancy-Occupancy Sensor by ILLUMRA.

1. Model: Omni-directional Quad Element Pyroelectric sensor (PIR)
2. Standards Compliance: UL 94-5VA, IP 66, RoHS
3. Mechanical:
 - a. Polycarbonate injection molded plastic. Fully enclosed components. Color: White.
 - b. Mount to Fixture: Using Lock ring collar and threaded body.
 - c. Button: For linking sensor to wireless controller.
 - 1) Accessible when Sensor is mounted.
 - d. Red LED Indicator: Behind a lens showing PIR functionality is present. LED indicator may be disabled.
 - e. PIR Coverage: 360 degrees hemispherical from mounting location.
4. Electrical:
 - a. Power: 12VDC supply voltage, 0.5W power consumption.
 - b. Output: 3.3V output voltage.
 - c. Adjustable sensitivity: 0-3.3 VDC input voltage.
5. Functional:
 - a. PIR Coverage Area: 25' Rad.; 1,963 sq ft.
 - b. Operation: Occupancy or vacancy based on configuration settings of compatible linked wireless lighting controllers.
 - c. Walk-Test Test Mode: Immediate visual indication of PIR and activity when operating.
 - d. PIR Sensitivity Adjustment Test Mode: Three levels of PIR sensitivity selectable.