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PLT-12844 High Bay Occupancy Sensor and Photocell User Guide

Contents

PLT-12844 High Bay Occupancy Sensor and Photocell

Product Information

Specifications

- **Product Name:** High Bay Occupancy Sensor and Photocell
- **Model Number:** PLT-12844
- **Functionality:** Automate existing UFO LED high bay fixtures
- **Technology:** Microwave high bay occupancy sensor and photocell
- **Features:** Turns the fixture on, off, and adjusts light level based on current light levels and room occupancy

Product Usage Instructions

Installation

1. Locate the pre-installed port on the UFO LED high bay fixture.
2. Insert the high bay occupancy sensor and photocell into the port securely.
3. Ensure the sensor is positioned properly to detect room occupancy and light levels effectively.
4. Secure the sensor in place using the provided mounting hardware.
5. Connect the sensor to the power source following the manufacturer's instructions.

Operation
Once installed, the high bay occupancy sensor and photocell will automatically control the light fixture based on room occupancy and light levels. The sensor will turn the fixture on when motion is detected and adjust the light levels as needed. It will also turn the fixture off when no motion is detected or when sufficient natural light is available.

Maintenance
Regularly inspect the sensor to ensure it is clean and free from obstructions that may affect its functionality. Clean the sensor using a soft, dry cloth if needed. Check for loose connections and tighten them as necessary to maintain proper operation.

FAQ

- **How do I adjust the sensitivity of the occupancy sensor?**

  The sensitivity of the occupancy sensor can usually be adjusted through settings on the device itself. Refer to the user manual for specific instructions on adjusting sensitivity levels.

- **Can the photocell be disabled if needed?**

  Yes, many models allow you to disable the photocell function if desired. Consult the product documentation for guidance on disabling the photocell feature.

DESCRIPTION

Automate existing UFO LED high bay fixtures by installing this microwave high bay occupancy sensor and photocell. Installing into the pre-installed port, this motion sensor turns the fixture on, off, and adjusts the light level depending on current light levels and room occupancy.

FEATURES

- Allows fixture to turn on or off automatically depending on the amount of light or activity detected in area; see Motion Sensor Specifications for information on factory settings
- Installs into pre-installed port on select LED UFO high bays; see Compatible Fixture section for full list of fixtures.
- Optional remote control available to adjust motion sensor settings including light levels and daylight sensing; remote must be less than 49 feet from the sensor/fixture that is being controlled; see PLTS-12281 for more information

LISTINGS

- RoHS
- IP65

THERMAL

-22°F to 140°F (-30° to 60°C) operating temperature

ELECTRICAL

- **Operating Current:** 30mA
- **Microwave Frequency:** 5.8GHz ±75MHz
- **Microwave Power**: <0.5W

INSTALLATION

Simply screw into the pre-installed port on select LED UFO high bays; see Compatible Fixture section for full list of fixtures.

WARRANTY

1 year limited warranty; see **pltsolutions.com** for warranty details

APPLICATIONS

- Warehouses
- Manufacturing Plants
- Distribution Centers
- Grocery Stores
- Gymnasiums
- Indoor Recreational Facilities
- Cold Storage
- Big Box Retail
- Service Repair Centers

PERFORMANCE SUMMARY

Item #	Input Voltage	Dimming	Mounting Height	Detection Range	Finish	Compatible Remote
PLT-12844	12±2V	0-10V	49.2' (15m) Max	49.2' Max	White	PLTS-12281

MOTION SENSOR SPECIFICATIONS

Input Voltage	12±2V
Stand-by Power	<0.5W
Dimming	0-10V
Mounting Height	49.2' (15m) Max
Sensor Range	49.2' Max
Detection Angle	360°

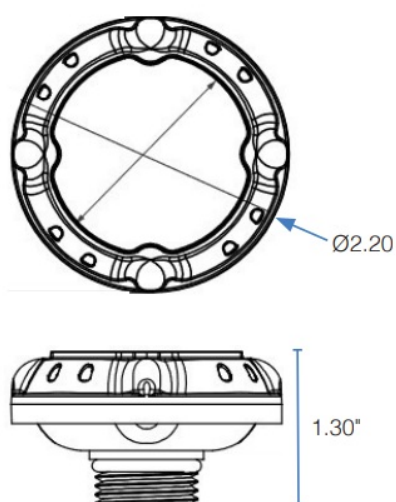|	
Default Setting*	• Brightness – 100% • Hold Time – 10 min • Standby Dim – 50% • Standby Time – 1 min • Sensitivity: 100% • Daylight – OFF
Brightness Setting**	0%-100% Quick Settings – 70%, 80%, 90%, 100%
Sensitivity Setting**	20%, 50%, 75%, 100%
Hold Time Setting**	10s, 1 min, 10 min, 30 min
Daylight Threshold**	10 Lux, 30 Lux, 50 lux, 100 Lux, OFF
Stand-by Dimming Level**	10%, 20%, 30%, 50%

COMPATIBLE FIXTURES

SKU	Description
PLT-12379	Rotatable Linear LED High Bay – 400W MH Equal – 165W – 23,210 Lumens – 5000K – White Finish
PLT-12380	Wattage/CCT Selectable Linear LED High Bay – 400W MH Equal – 180/200/220W – 31,888 Lumen Max – 4000/5000K – White Finish
PLT-12414	Rotatable Linear LED High Bay – 250W MH Equal – 110W – 14,686 Lumens – 5000K – White Finish
PLT-12558	UFO LED High Bay – 250W MH Equal – 100W – 15,200 Lumens – 4000K – Black Finish
PLT-12559	UFO LED High Bay – 250W MH Equal – 100W – 14,800 Lumens – 5000K – Black Finish
PLT-12560	UFO LED High Bay – 250W MH Equal – 100W – 13,800 Lumens – 4000K – White Finish
PLT-12561	UFO LED High Bay – 250W MH Equal – 100W – 15,200 Lumens – 5000K – White Finish

PLT-12562	UFO LED High Bay – 400W MH Equal – 150W – 22,500 Lumens – 4000K – Black Finish
PLT-12563	UFO LED High Bay – 400W MH Equal – 150W – 22,500 Lumens – 5000K – Black Finish
PLT-12564	UFO LED High Bay – 400W MH Equal – 150W – 22,500 Lumens – 4000K – White Finish
PLT-12565	UFO LED High Bay – 400W MH Equal – 150W – 22,500 Lumens – 5000K – White Finish
PLT-12566	UFO LED High Bay – 1000W MH Equal – 240W – 36,500 Lumens – 4000K – Black Finish
PLT-12567	UFO LED High Bay – 400W MH Equal – 240W – 32,400 Lumens – 4000K – Black Finish
PLT-12568	UFO LED High Bay – 1000W MH Equal – 240W – 36,500 Lumens – 5000K – Black Finish
PLT-12569	UFO LED High Bay – 1000W MH Equal – 240W – 36,500 Lumens – 4000K – White Finish
PLT-12570	UFO LED High Bay – 1000W MH Equal – 240W – 36,500 Lumens – 5000K – White Finish
PLT-12572	UFO LED High Bay – 1500W MH Equal – 300W – 44,727 Lumens – 5000K – Black Finish
PLT-12630	UFO LED High Bay w/ Reflector – 400W MH Equal – 150W – 21,450 Lumens – 5000K – Black Finish
PLT-12631	UFO LED High Bay w/ Reflector – 400W MH Equal – 150W – 21,150 Lumens – 4000K – Black Finish
PLT-12632	UFO LED High Bay w/ Reflector – 1000W MH Equal – 240W – 34,560 Lumens – 5000K – Black Finish
PLT-12633	UFO LED High Bay w/ Reflector – 250W MH Equal – 100W – 14,600 Lumens – 5000K – Black Finish
PLT-12634	UFO LED High Bay w/ Reflector – 400W MH Equal – 150W – 21,150 Lumens – 4000K – White Finish
PLT-12635	UFO LED High Bay w/ Reflector – 400W MH Equal – 150W – 21,150 Lumens – 4000K – White Finish
PLT-12636	UFO LED High Bay w/ Reflector – 1000W MH Equal – 240W – 34,560 Lumens – 5000K – White Finish
PLT-12637	UFO LED High Bay w/ Reflector – 400W MH Equal – 150W – 21,000 Lumens – 3500K – Black Finish
PLT-12686	Linear LED High Bay – 400W MH Equal – 165W – 23,000 Lumens – 5000K – White Finish
PLT-12687	Linear LED High Bay – 400W MH Equal – 220W – 30,500 Lumens – 5000K – White Finish
PLT-12690	UFO LED High Bay – 400W MH Equal – 150W – 21,150 Lumens – 5000K – White Finish

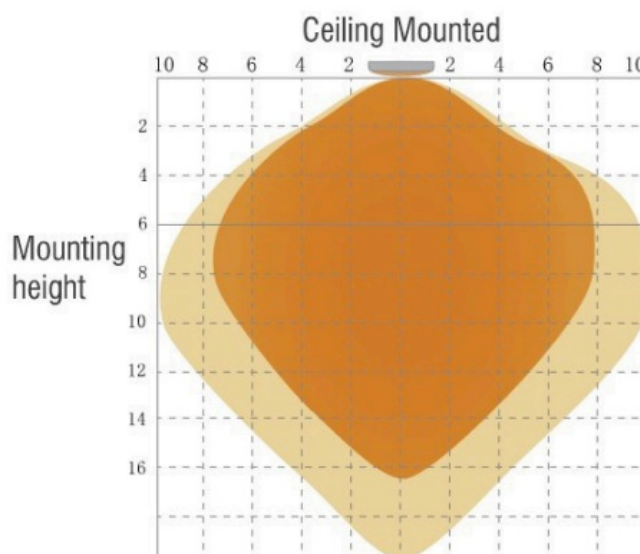| PLT-12691	UFO LED High Bay – 400W MH Equal – 150W – 21,150 Lumens – 5000K – Black Finish
PLT-12692	UFO LED High Bay – 1000W MH Equal – 240W – 33,600 Lumens – 5000K – Black Finish
PLT-12693	UFO LED High Bay w/ Reflector – 400W MH Equal – 150W – 21,000 Lumens – 3500K – Black Finish
PLT-12939	UFO LED High Bay w/ Reflector – 250W MH Equal – 100W – 14,600 Lumens – 5000K – White Finish
PLT-12980	UFO LED High Bay w/ Reflector – 250W MH Equal – 100W – 14,400 Lumens – 5000K – Black Finish
PLT-12981	UFO LED High Bay – 1000W MH Equal – 240W – 33,600 Lumens – 5000K – White Finish

DIMENSIONS

DIMENSIONS:

Diameter: 2.20"
Height: 1.30"

Ø2.20

1.30"

MOTION SENSOR COVERAGE

ABOUT COMPANY

- 972-535-0926
- **PLTSOLUTIONS.COM**

Documents / Resources

PLT PLT-12844 High Bay Occupancy Sensor and Photocell [pdf] User Guide
PLT-12844 High Bay Occupancy Sensor and Photocell, PLT-12844, High Bay Occupancy
Sensor and Photocell, Bay Occupancy Sensor and Photocell, Occupancy Sensor and
Photocell, Sensor and Photocell, Photocell

References

- *✍ **PLT***
- **User Manual**