



## LED High Bay Fixture w/ Motion Sensor

### DESCRIPTION

Providing a one-for-one replacement of up to 1000W metal halide fixtures or 8 lamp fluorescent fixtures, these LED high bay fixtures come with a pre-installed motion sensor that turns the fixture on, off, and adjusts the light level depending on the amount of ambient light and room occupancy.

### FEATURES

- Up to 136 LPW ultra-high efficiency delivers superior performance over legacy HID high bays
- Pre-installed PIR motion sensor allows fixture to turn on or off automatically depending on the amount of light or activity detected in the area; see Motion Sensor Specifications for information on factory settings
- Optional remote control available to adjust motion sensor settings including light levels and daylight harvesting; remote must be less than 40 feet from the sensor/fixture that is being controlled; see PLT-90311 for more information

### LISTINGS

- UL rated for damp locations
- IP20
- DesignLights Consortium® 5.1 Premium - meets the requirements for the highest DLC qualification for efficacy and lumen maintenance

### PERFORMANCE

- CRI: 80
- CCT: 5000K
- LED L70 Life Hours @ 25°C: >100,000 hours

### THERMAL

- -4°F to 122°F (-20°C to 50°C) operating temperature

### ELECTRICAL

- THD: 20%
- Power Factor: 0.9
- Input Voltage: 120-277V
- Surge Protection: 2kV

### INSTALLATION

- Designed for suspended mounting with included V-hooks and 3 ft. chains; see installation instructions for more information

### CONSTRUCTION

- Stamped sheet metal housing with white finish
- Frosted PMMA lens protects LEDs while evenly distributing light

|                |         |
|----------------|---------|
| Project name   | Type    |
| Catalog number |         |
| Comments       | Voltage |
| Approved by    | Date    |



### WARRANTY

- 5-year limited warranty; see [pltsolutions.com](http://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 #    | Model  | Watts | Lumens | LPW | CCT   | CRI | Voltage  | Replaces | Length | DLC #      | DLC Level   |
|-----------|--------|-------|--------|-----|-------|-----|----------|----------|--------|------------|-------------|
| PLT-80036 | Linear | 210   | 28,560 | 136 | 5000K | 80  | 120-277V | MH400    | 1.7'   | PLTM168512 | 5.1 Premium |
| PLT-80037 | Linear | 300   | 40,800 | 136 | 5000K | 80  | 120-277V | MH1000   | 2.6'   | PLTM179512 | 5.1 Premium |
| PLT-80044 | Linear | 255   | 34,680 | 136 | 5000K | 80  | 120-277V | MH1000   | 2.6'   | PLTM17C512 | 5.1 Premium |
| PLT-90308 | Linear | 130   | 17,680 | 136 | 5000K | 80  | 120-277V | MH250    | 1.3'   | PLTM15A512 | 5.1 Premium |
| PLT-90310 | Linear | 255   | 34,680 | 136 | 5000K | 80  | 120-277V | MH1000   | 2.6'   | PLTM17C512 | 5.1 Premium |
| PLT-90349 | Linear | 300   | 40,800 | 136 | 5000K | 80  | 120-277V | MH1000   | 2.6'   | N/A        | N/A         |

## MOTION SENSOR SPECIFICATIONS

|                                |                                                                                                                                                                                          |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Input Voltage</b>           | 12V DC                                                                                                                                                                                   |
| <b>Power Consumption</b>       | 0.1 Watt                                                                                                                                                                                 |
| <b>Dimming</b>                 | 0-10V                                                                                                                                                                                    |
| <b>Mounting Height</b>         | 35' Max.                                                                                                                                                                                 |
| <b>Sensor Range</b>            | 80' Max. (40' on all sides of fixture)                                                                                                                                                   |
| <b>Default Setting*</b>        | <ul style="list-style-type: none"> <li>Trim Level - 100%</li> <li>Hold Time - 10 minutes</li> <li>Standby Dim - 50%</li> <li>Standby Time - 1 minute</li> <li>Photocell - OFF</li> </ul> |
| <b>Dimming Level Setting**</b> | 0%, 10%, 30%, 50%, 75%, 100%                                                                                                                                                             |
| <b>Delay Time Setting**</b>    | 10s, 5min, 15min, 30min, 60 minutes, or ∞                                                                                                                                                |
| <b>Certification</b>           | UL                                                                                                                                                                                       |

\* Reset button returns sensor settings to preset mode, see PLT-90311 for more information

\*\* Adjustable only with remote, see PLT-90311 for more information

## FIXTURE DIMENSIONS

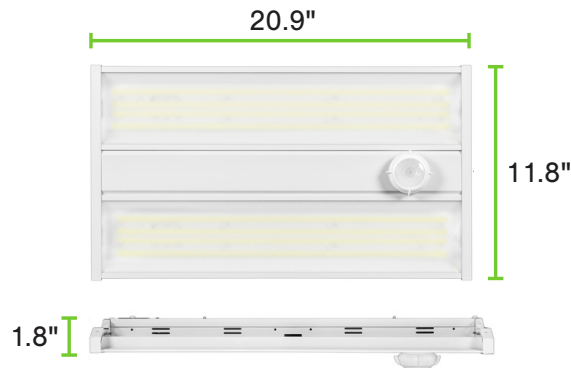
### **PLT-80036**

Length: 20.9"

Height: 1.8"

Width: 11.8"

Weight: 6.7 lbs



### **PLT-80037, PLT-90349**

Length: 30.8"

Height: 1.8"

Width: 11.8"

Weight: 11.57 lbs



**FIXTURE DIMENSIONS**

**PLT-80044**

Length: 30.8"  
Height: 1.8"  
Width: 11.8"  
Weight: 12.1 lbs



**PLT-90308**

Length: 16.3"  
Height: 1.8"  
Width: 11.8"  
Weight: 4.9 lbs



**PLT-90310**

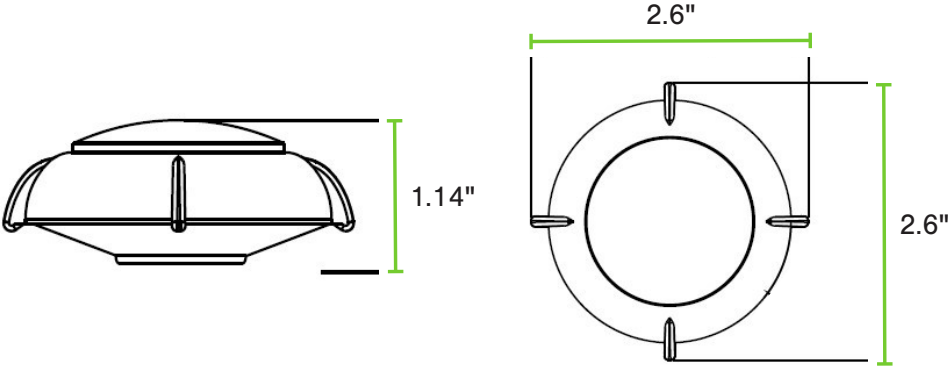
Length: 30.7"  
Height: 1.8"  
Width: 11.8"  
Weight: 9.9 lbs



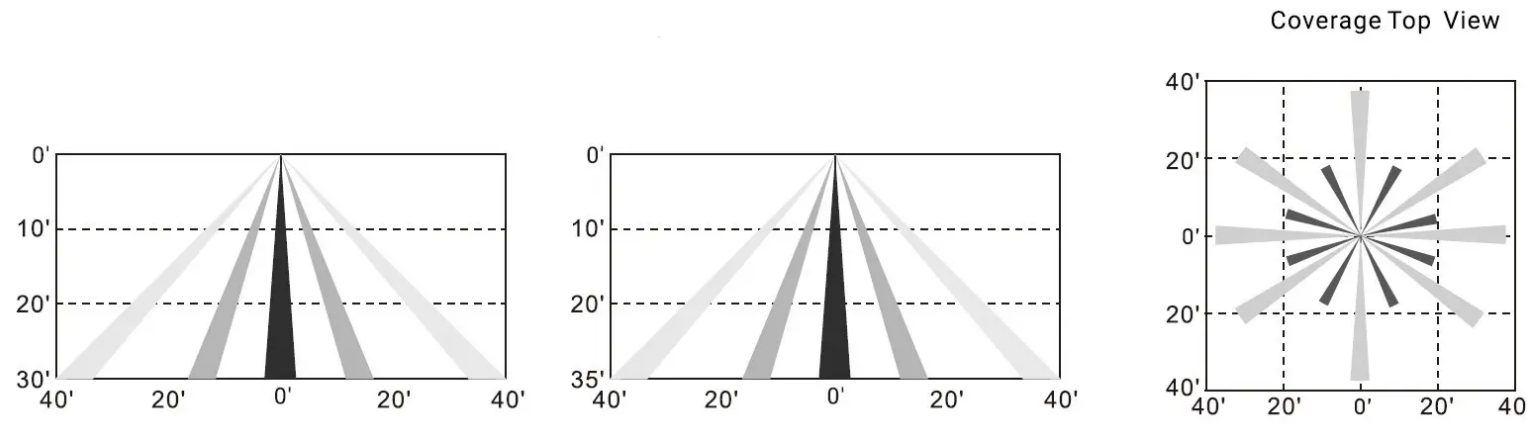
**MOTION SENSOR DIMENSIONS**

**DIMENSIONS**

Diameter – 2.6"  
Depth – 1.14"



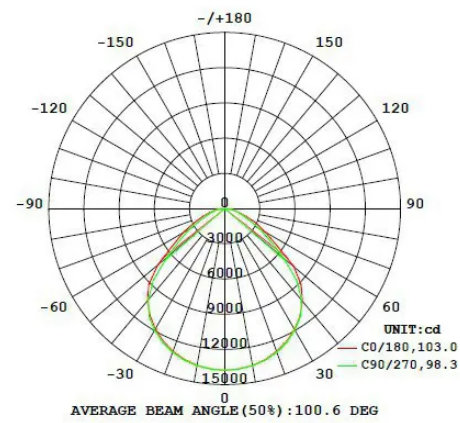
MOTION SENSOR COVERAGE



PHOTOMETRICS

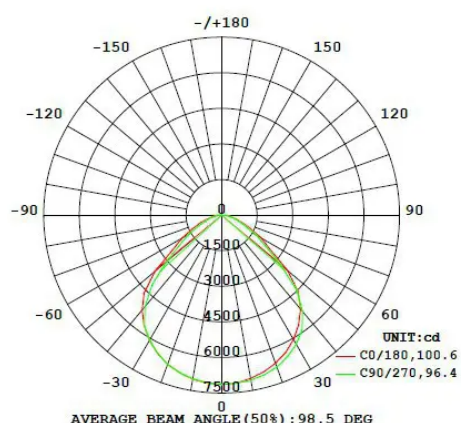
PLT-80044

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



PLT-90308

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



PLT-90310

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

