DESCRIPTION

Providing a one-for-one replacement of up to 1000 Watt 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
- Dimmable power supply (0-10V)
- Surge Protection: 2kV

INSTALLATION

- Designed for with suspended mounting with included V-hooks and 3.4 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

WARRANTY

- 5 year limited warranty; see pltsolutions.com for warranty details

project name		type
catalog number		
comments		voltage
approved by		date

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-90308	Linear	130	17,680	136	5000K	80	120-277V	MH250	1.3'	PLTM15A512	5.1 Premium
PLT-90309	Linear	210	28,560	136	5000K	80	120-277V	MH400	1.7'	PLTM168512	5.1 Premium
PLT-90310	Linear	255	34,680	136	5000K	80	120-277V	MH1000	2.6'	PLTM17C512	5.1 Premium

MOTION SENSOR SPECIFICATIONS

|	
Input Voltage	12V DC
Power Consumption	0.1 Watt
Dimming	0-10V
Mounting Height	35' Max.
Sensor Range	80' Max. (40' on all sides of fixture)
Default Setting*	• Trim Level - 100% • Hold Time - 5mins • Standby Dim - 30% • Standby Time – 60min • Photocell - OFF
Dimming Level Setting**	0%, 10%, 30%, 50%, 75%, 100%
Delay Time Setting**	10s, 5min, 15min, 30min, 60 minutes, or ∞
Certification	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
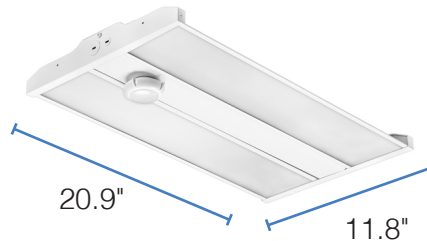
FIXTURE DIMENSIONS

130W DIMENSIONS:

Length: 16.1"
Height: 1.8"
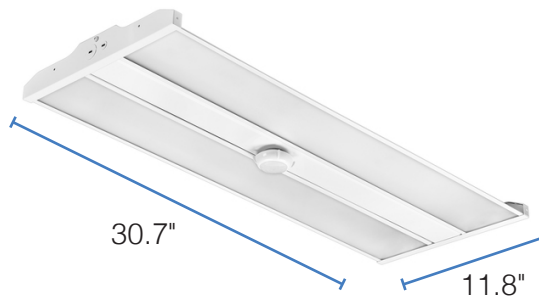Width: 11.8"
Weight: 4.9 lbs
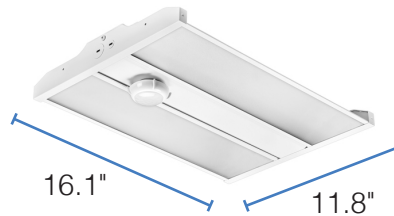
210W DIMENSIONS:
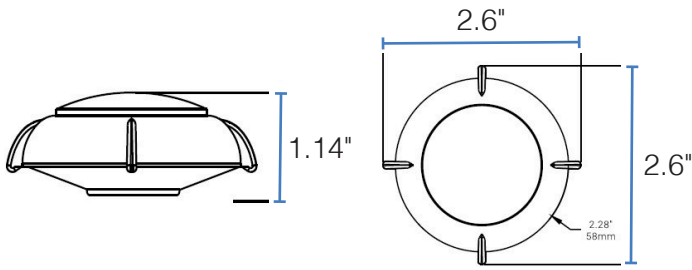
Length: 20.9"
Height: 1.8"
Width: 11.8"
Weight: 6.7 lbs

255W DIMENSIONS:

Length: 30.7"
Height: 1.8"
Width: 11.8"
Weight: 9.9 lbs
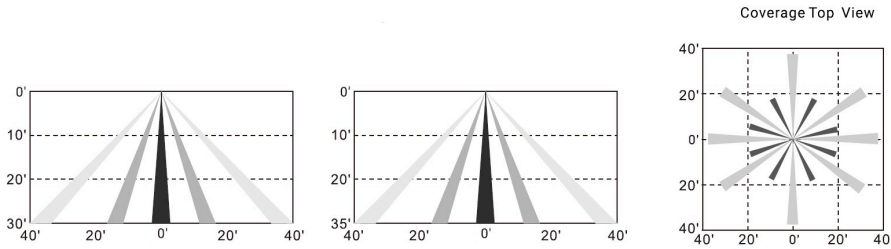
MOTION SENSOR DIMENSIONS

2.6"

1.14"

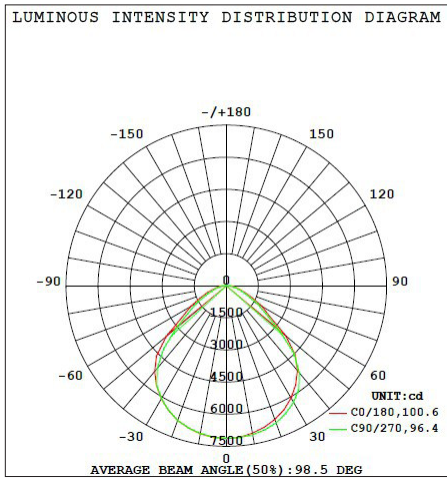2.6"

2.28"
58mm

DIMENSIONS:

Diameter: 2.6"

Depth: 1.14"

MOTION SENSOR COVERAGE

Coverage Top View

PHOTOMETRICS

PLT-90308 PHOTOMETRICS

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

-/+180

-150   150

-120   120

-90   90

-60   60

-30   30

0

1500
3000
4500
6000
7500

UNIT:cd
— C0/180,100.6
— C90/270,96.4

AVERAGE BEAM ANGLE(50%):98.5 DEG

PLT-90309 PHOTOMETRICS

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

-/+180

-150   150

-120   120

-90   90

-60   60

-30   30

0

3000
6000
9000
12000
15000

UNIT:cd
— C0/180,101.8
— C90/270,98.2

AVERAGE BEAM ANGLE(50%):100.0 DEG

PLT-90310 PHOTOMETRICS

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

-/+180

-150   150

-120   120

-90   90

-60   60

-30   30

0

3000
6000
9000
12000
15000

UNIT:cd
— C0/180,103.0
— C90/270,98.3

AVERAGE BEAM ANGLE(50%):100.6 DEG