



Round LED High Bay

DESCRIPTION

Featuring a low-profile design, these round LED high bays are a one-for-one replacement of existing metal halide fixtures making them a cost-effective solid-state solution for high bay applications.

FEATURES

- Up to 147 LPW ultra-high efficiency delivers superior performance over older HID high bays
- Provides direct and indirect lighting, meaning that it directly lights the floor below and indirectly lights the ceiling above
- Replaces up to a 1000W metal halide fixture
- 6' power cord w/o plug standard for more installation flexibility
- 0-10V dimming
- Optional motion sensor and remote control; see Accessories section for more information
- Optional u-bracket available for surface mounting; see Mounting Accessories section for more information

LISTINGS

- UL rated for wet locations
- IP65
- DesignLights Consortium® 5.1 Premium - meets the requirements for the highest DLC qualification for efficacy and lumen maintenance

PERFORMANCE

- CRI: >80
- CCT: 4000K, 5000K
- LED L70 Life Hours:
 - 50,000 hours - PLT-13235 & PLT-13236
 - 140,000 hours - PLT-12630 - PLT-12636, PLT-12707, PLT-12939, PLT-12980
- Philips Lumileds SMD LEDs

THERMAL

- -40°F to 122°F (-40°C to 50°C) operating temperature

ELECTRICAL

- THD: ≤20%
- Power Factor: ≥0.9
- Input Voltage: 120-277V
- Dimmable power supply (0-10V)
- Surge Protection: 6kV

INSTALLATION

- Suspended mounting with included 10mm ring or surface mounting (u-bracket sold separately); see installation instructions for more information

CONSTRUCTION

- Ships standard with impact resistant PC frosted lens & reflector (90°)
- Slim, lightweight die-cast aluminum construction allows for quick and easy installation
- 18-gauge power conductors (Line, Neutral, and Ground)
- 22-gauge control conductors (DIM +, DIM -, AUX)
- Black or white finish

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



WARRANTY

- 5-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 # | Model | Watts | Lumens | LPW | CCT | CRI | Dimming | Voltage | Replaces | Finish | DLC # | DLC Level |
|-----------|-------|-------|--------|-----|-------|-----|---------|----------|----------|--------|----------------|-------------|
| PLT-12630 | Round | 150 | 21,450 | 143 | 5000K | >80 | 0-10V | 120-277V | MH400 | Black | PLTSN1B81422RP | 5.1 Premium |
| PLT-12631 | Round | 150 | 21,150 | 141 | 4000K | >80 | 0-10V | 120-277V | MH400 | Black | PLTSN1B81421RP | 5.1 Premium |
| PLT-12632 | Round | 240 | 34,560 | 144 | 5000K | >80 | 0-10V | 120-277V | MH1000 | Black | PLTSN1B71422RP | 5.1 Premium |
| PLT-12633 | Round | 100 | 14,600 | 146 | 5000K | >80 | 0-10V | 120-277V | MH250 | Black | PLTSN1B61422RP | 5.1 Premium |
| PLT-12634 | Round | 150 | 21,450 | 143 | 5000K | >80 | 0-10V | 120-277V | MH400 | White | PLTSN1B81412RP | 5.1 Premium |
| PLT-12635 | Round | 150 | 21,150 | 141 | 4000K | >80 | 0-10V | 120-277V | MH400 | White | PLTSN1B81411RP | 5.1 Premium |
| PLT-12636 | Round | 240 | 34,560 | 144 | 5000K | >80 | 0-10V | 120-277V | MH1000 | White | PLTSN1B71412RP | 5.1 Premium |
| PLT-12693 | Round | 150 | 21,000 | 140 | 3500K | >80 | 0-10V | 120-277V | MH400 | Black | PLTSN1B81423RP | 5.1 Premium |
| PLT-12707 | Round | 100 | 14,700 | 147 | 4000K | >80 | 0-10V | 120-277V | MH250 | White | PLTSN1B61411 | 5.1 Premium |
| PLT-12939 | Round | 100 | 14,600 | 146 | 5000K | >80 | 0-10V | 120-277V | MH250 | White | PLTSN1B61412RP | 5.1 Premium |
| PLT-12980 | Round | 100 | 14,400 | 144 | 4000K | >80 | 0-10V | 120-277V | MH250 | Black | PLTSN1B61421RP | 5.1 Premium |
| PLT-13235 | Round | 240 | 33,642 | 140 | 4000K | >80 | 0-10V | 120-277V | MH1000 | White | PLTSN1B71411RP | 5.1 Premium |
| PLT-12326 | Round | 240 | 33,642 | 140 | 4000K | >80 | 0-10V | 120-277V | MH1000 | Black | PLTSN1B71421RP | 5.1 Premium |

ACCESSORIES

| SKU | Description |
|------------|---|
| PLT-12844 | High Bay Occupancy Sensor and Photocell - Microwave - White - Screw-in Connector - 12 Volt |
| PLT-13121 | High Bay Occupancy Sensor and Photocell - Passive Infrared (PIR) - White - Screw-in Connector - 12 Volt |
| PLTS-12281 | Motion Sensor Remote |

MOUNTING ACCESSORIES

| SKU | Description |
|------------|--|
| PLTS-12377 | 100W and 150W UFO Adjustable U-Bracket - White |
| PLTS-12378 | 100W and 150W UFO Adjustable U-Bracket - Black |

DIMENSIONS

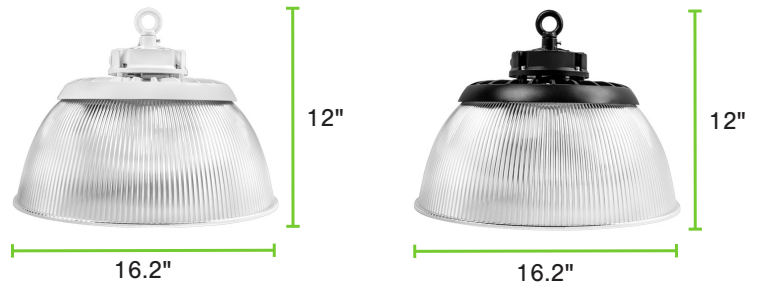
PLT-12633, PLT-12707, PLT-12939

Height w/ ring mount – 12"

Diameter – 16.2"

Weight – 5.14 lbs.

Ring Mount Thread Size: 10MM



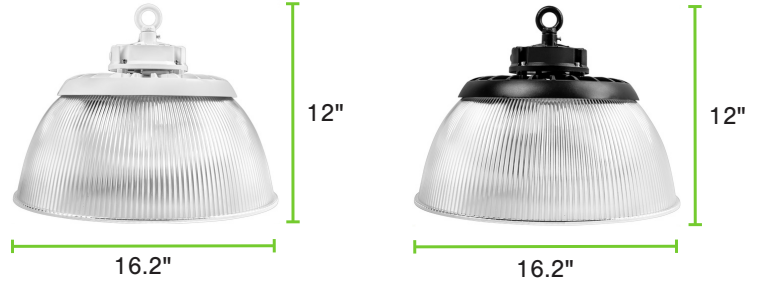
PLT-12630, PLT-12631, PLT-12634, PLT-12635

Height w/ ring mount – 12"

Diameter – 16.2"

Weight – 5.14 lbs.

Ring Mount Thread Size: 10MM



PLT-12632, PLT-12636

Height w/ ring mount – 13"

Diameter – 16.2"

Weight – 6.9 lbs

Ring Mount Thread Size: 10MM



PLT-12693

Height w/ ring mount – 12.3"

Diameter – 16.2"

Weight – 5.14 lbs

Ring Mount Thread Size: 10MM



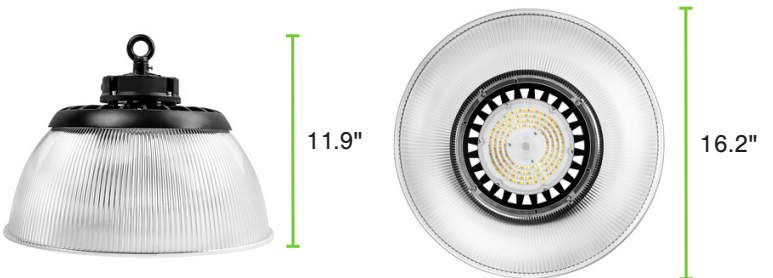
PLT-12980

Height w/ ring mount – 11.9"

Diameter – 16.2"

Weight – 5.14 lbs

Ring Mount Thread Size: 10MM



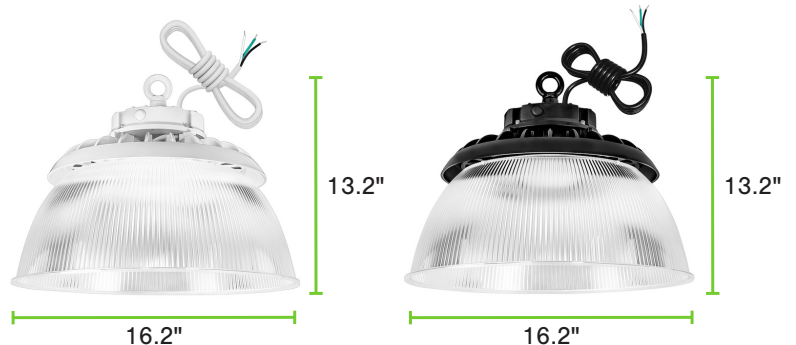
PLT-13235, PLT-13236

Height w/ ring mount – 13.2"

Diameter – 16.2"

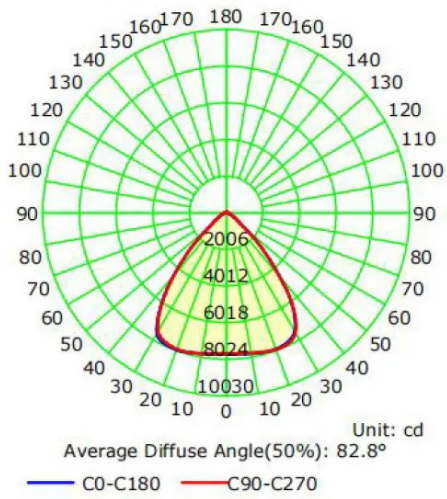
Weight – 9.57 lbs

Ring Mount Thread Size: 10MM

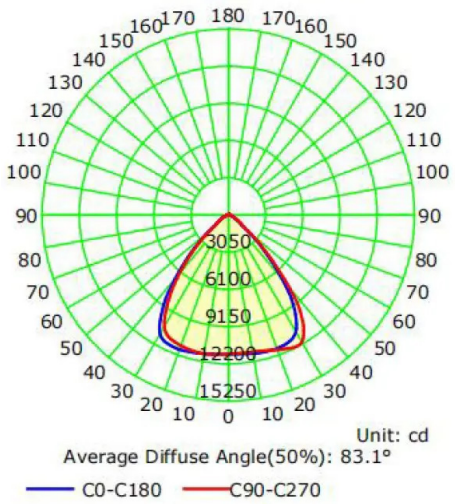


PLT-12633

Luminous Intensity Distribution Curve



PLT-12630, PLT-12631, PLT-12634, PLT-12635



PLT-12632, PLT-12636

