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
- Optional pipe adapters available for pendant 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

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	

DLC LISTED PREMIUM   UL LISTED

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-13226	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
PLT-13630	Pendant Mount Pipe Adaptor - Converts M10 to 3/4 in. NPS
PLT-13673	Pendant Mount Pipe Adaptor - Converts M10 to 3/4 in. NPS

PLT-12633, PLT-12707, PLT-12939

Height w/ ring mount – 12"

Diameter – 16.2"

Weight – 5.14 lbs.

Ring Mount Thread Size: 10MM

12"

16.2"

12"

16.2"

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

12"

16.2"

12"

16.2"

PLT-12632, PLT-12636

Height w/ ring mount – 13"

Diameter – 16.2"

Weight – 6.9 lbs

Ring Mount Thread Size: 10MM

13"

16.2"

13"

16.2"

PLT-12693

Height w/ ring mount – 12.3"

Diameter – 16.2"

Weight – 5.14 lbs

Ring Mount Thread Size: 10MM

12.3"

16.2"

PLT-12980

Height w/ ring mount – 11.9"

Diameter – 16.2"

Weight – 5.14 lbs

Ring Mount Thread Size: 10MM

11.9"

16.2"

PLT-13235, PLT-13236
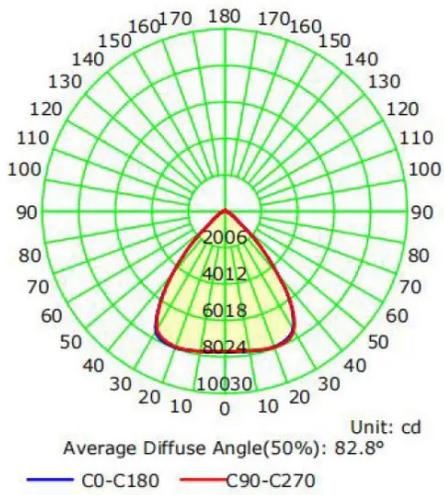
Height w/ ring mount – 13.2"

Diameter – 16.2"

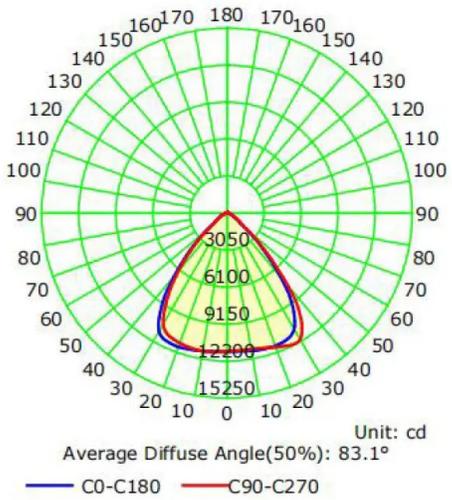Weight – 9.57 lbs

Ring Mount Thread Size: 10MM

13.2"

16.2"

13.2"

16.2"

PLT-12633

Luminous Intensity Distribution Curve

Unit: cd
Average Diffuse Angle(50%): 82.8°

C0-C180   C90-C270

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

Unit: cd
Average Diffuse Angle(50%): 83.1°

C0-C180   C90-C270

PLT-12632, PLT-12636

Unit: cd
Average Diffuse Angle(50%): 80.2°

C0-C180   C90-C270