



# HBX1-SERIES HIGH BAY



Project	
Date	
Prepared by	
Model #	HBX1-1505-2

## OVERVIEW

The HBX1-Series is the most versatile Monopoint High Bay offered in the North American market. Built using an ultra-thin, aluminum die cast design, it is a lightweight fixture that can be configured for almost any application. From the ability to add a junction box or battery backup to integrating a remote-controlled\* motion sensor or side mounting sensors and wireless adapters, the HBX1 is ready for today and the future. Offering five traditional reflector configurations and multiple mounting options, they are the only high bay you'll need to consider to meet the demands of every project.

## PRODUCT HIGHLIGHTS

- Best-in-class Lumileds Luxeon LEDs
- Polycarbonate annular "Fresnel" lens for even 360° light dispersal
- AkzoNobel powdercoated aluminum driver box and housing
- Built-in surge protection up to 6kV
- Includes hanging hook and 10' cord
- IP65 rated
- Options available: Integrated Junction Box, Emergency Battery Backup, Motion Sensors, Reflectors, Motion Sensor Remote, and Mounting options

### OPTICAL SPECIFICATIONS

Lumen Output (lm) <sub>1</sub>	19575 lm	Beam Angle (°) <sub>1</sub>	90°
CCT (K) <sub>1</sub>	5000K	Projected Lifetime (L <sub>70</sub> )	50,000 hrs
CRI (Ra) <sub>1</sub>	80	Lumen Maintenance Factor	70%
Efficacy (lm/W) <sub>1</sub>	138 lm/W	Chromaticity Shift	±250K

### ELECTRICAL SPECIFICATIONS

Power	150W	Input Voltage	277-480V
Apparent Power (VA)	156.5VA	Current Draw at 227V <sub>AC</sub> (A) <sub>2</sub>	0.5134A
System Wattage (W)	140.97W	Current Draw at 347V <sub>AC</sub> (A) <sub>2</sub>	0.423A
Replacement for	400W+ HID	Current Draw at 480V <sub>AC</sub> (A) <sub>2</sub>	0.3173A

### LED AND DRIVER SPECIFICATIONS

LED (Brand)	Lumileds	Power Factor	0.900
LED Design Origin	USA	THD	15.00%
LED Type	2835	Driver Class	Class
Dimmable	0-10V	Surge Protection	4 kV
Output Voltage (VDC)	24-40VDC	Inrush Current (A)	60A

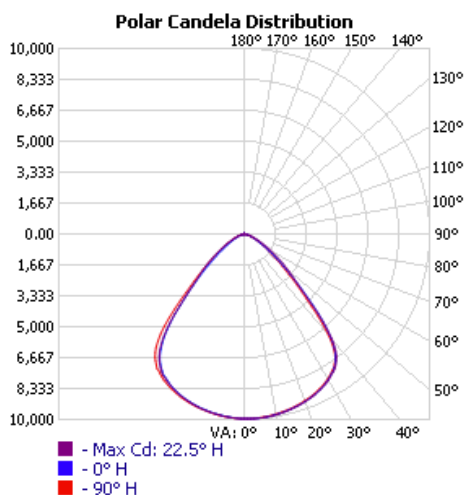
## DIMENSIONS

Housing Material	Aluminum	Weight (kg/lbs)	4.15kg 9.13 lbs
Housing Color	Black	Installation Method	10' cord (pre-installed) Hook (incl.) Yoke or Pendant (optional)
Lens Material	Polycarbonate	Operation Range (°F/°C)	-40°F to 122°F/-40°C to 50°C
Dimensions (inch/mm)	12.93"Φ x 8.25" (H) 328.3 mm Φ x 209.5 mm (H)	Warranty	10 Years

## APPROVALS AND LISTINGS

DLC Premium	PLPQD7VXY36F	Wet Location Rated	Yes
UL/ETL	cULus	IP Rating	IP65

### CANDELA

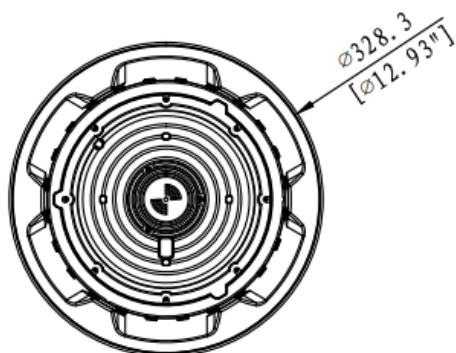
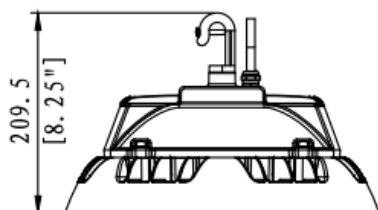


### ILLUMINANCE AT A DISTANCE

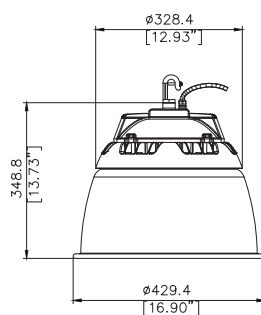
6.6ft / 2M	230.97 fc / 2486.19 LUX
9.8ft / 3M	102.66 fc / 1104.97 LUX
13.1ft / 4M	57.74 fc / 621.55 LUX
16.4ft / 5M	36.96 fc / 397.79 LUX
19.7ft / 6M	25.66 fc / 276.24 LUX

## DIMENSIONS

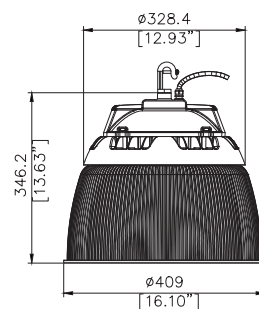
### NO REFLECTOR



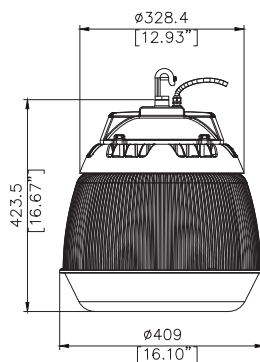
### ALUMINUM REFLECTOR



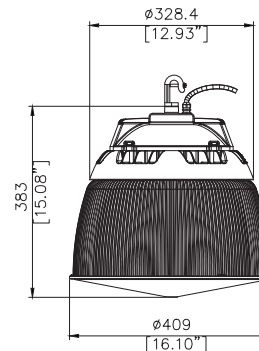
### PRISMATIC REFLECTOR

















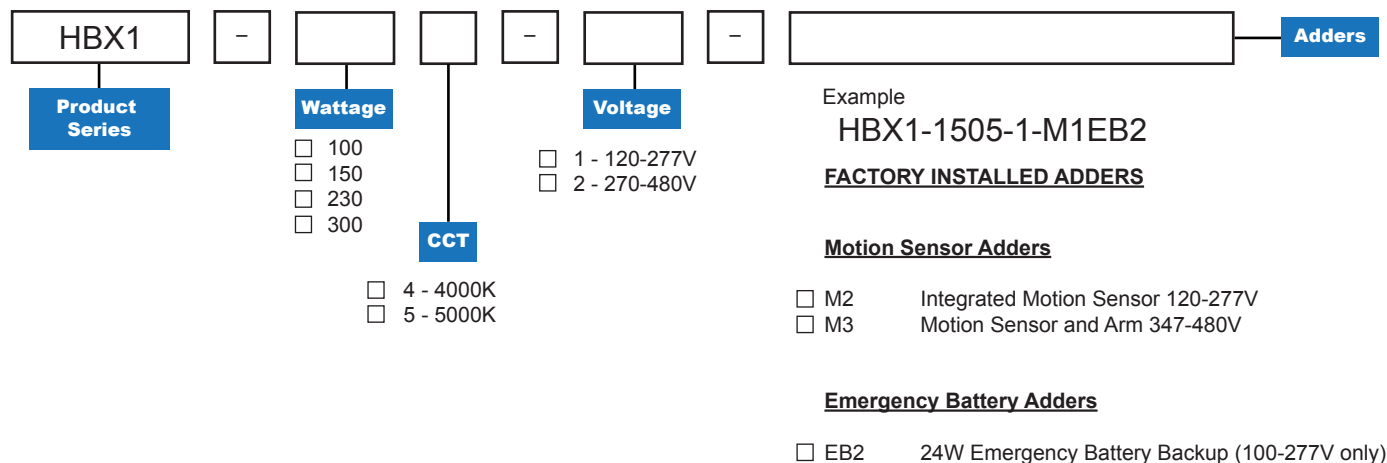
### PRISMATIC REFLECTOR + DROP LENS



### PRISMATIC REFLECTOR + CONE LENS



REFLECTOR OPTIONS					
	<b>HB-ARX1</b>	Aluminum Reflector (80°) for HBX1 High Bays		<b>HB-CLX1</b>	Cone Lens Attachment for HBX1 Prismatic Reflectors
	<b>HB-PRX1</b>	Prismatic Reflector (75°) for HBX1 High Bays		<b>HB-DLX1</b>	Drop Lens Attachment for HBX1 Prismatic Reflectors
ACCESSORIES					
	<b>HB-JB1X1</b>	Junction Box for HBX1 High Bays (100W, 150W, 230W models)		<b>HB-24EBX1</b>	24W Emergency Battery for 120-277 HBX1 High Bays
	<b>HB-JB2X1</b>	Junction Box for HBX1 High Bays (300W models)		<b>HB-WG1X1</b>	Wire Guard for HBX1 High Bays 100W, 150W, 230W models
	<b>HB-MSX1-1</b>	Integrated Motion Sensor for 120-277V HBX1 High Bays		<b>HB-WG2X1</b>	Wire Guard for HBX1 High Bays (300W models)
	<b>HB-RCX1</b>	Remote Control for 120-277V Integrated Motion Sensors (HBX1 High Bays)		<b>HB-34NPTAX1</b>	3/4" NPT Adaptor for HBX1 High Bays
	<b>MS1-DHR-SA-4</b>	Motion Sensor and Arm for 277-480V HBX1 High Bays		<b>HB-YKX1</b>	Yoke Mount for HBX1 High Bays
	<b>RC01</b>	Remote Control for 277-480V Integrated Motion Sensors (HBX1 High Bays)			
PRODUCT KEY					



1. Due to the special conditions of manufacturing, the typical data of optical specifications can only reflect statistical figures and do not necessarily correspond to the actual parameters of each single product which could differ from the typical data.  
2. Exceeding maximum ratings for input voltage and current will cause hazardous overload and will likely destroy the LED fixture.  
3. Refer to Warranty Terms & Conditions available at [premiseled.com/warranty](http://premiseled.com/warranty)