

# HBX1-SERIES MONOPOINT HIGH BAY















# Project Date Prepared by Model # HBX1-3005-1

#### **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**

- Polycarbonate "Fresnel" lens for even 360° light dispersal
- AkzoNobel powdercoated aluminum driver box and housing
- Built-in surge protection
- 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

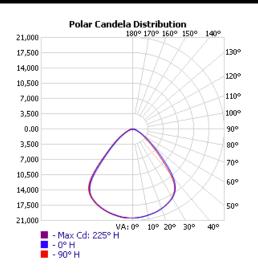
OPTICAL SPECIFICATIONS							
Lumen Output (lm) 1	40640 lm	Beam Angle (°) <sub>1</sub>	90°				
CCT (K) 1	5000K	LM80 Report (L <sub>70</sub> ) Hours	>54,000 hrs				
CRI (Ra) <sub>1</sub>	80	ISTMT Report (L <sub>70</sub> ) Calculated Hours	150,000 hrs				
Efficacy (lm/W) <sub>1</sub>	141 lm/W	<b>Chromaticity Shift</b>	±250K				
ELECTRICAL SPECIFICATIONS							
Power	300W	Current Draw at 120V <sub>AC</sub> (A) <sub>2</sub>	2.3941A				
Apparent Power (VA)	318.9VA	Current Draw at 208V <sub>AC</sub> (A) <sub>2</sub>	1.389A				
System Wattage (W)	288.17W	Current Draw at 240V <sub>AC</sub> (A) <sub>2</sub>	1.215A				
Replacement for	Up to 1000W HID	Current Draw at 277 $V_{\rm AC}$ (A) $_{\rm 2}$	1.0601A				
Input Voltage	120-277V						
LED AND DRIVER SPECIFICATIONS							
LED Type	2835	THD	15.00%				
Dimmable	0-10V	<b>Driver Class</b>	Class 2				
Output Voltage (VDC)	24-68VDC	<b>Surge Protection</b>	10 kV				
Power Factor	0.900	Inrush Current (A)	66A				

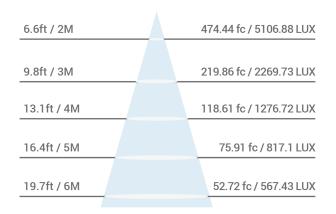
DIMENSIONS						
Housing Material	Aluminum	Weight (kg/lbs)	7.43kg 16.35 lbs			
<b>Housing Color</b>	Black	Installation Method	10' cord (pre-installed) Hook (incl.) Yoke or Pendant (optional)			
Lens Material	Polycarbonate	Operation Range (°F/°C)	-40°F to 122°F/-40°C to 50°C			
Dimensions (inch/mm)	Ø 16.205" x 9.273" 411.6mm x 235.5mm	Warranty	10 Years			
APPROVALS AND LISTINGS						
DLC Premium	PLHND0PL78AM	Wet Location Rated	Yes			

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UL/ETL	cULus	IP Rating	IP65
		IK Rating	IK10

#### **CANDELA**

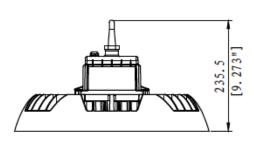
## **ILLUMINANCE AT A DISTANCE**

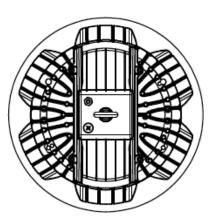




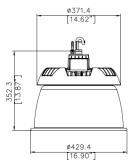
#### **DIMENSIONS**

#### **NO REFLECTOR**

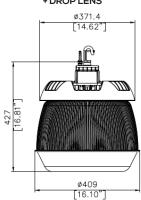




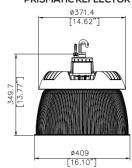
#### ALUMINUM REFLECTOR



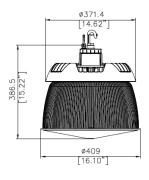




#### PRISMATIC REFLECTOR



PRISMATIC REFLECTOR + CONE LENS



REFLECTOR OPTIONS						
HB-AR2X1	Aluminum Reflector 80° (for 300W)		HB-PR2X1	Prismatic Reflector 75° (for 300W)		
HB-CLX1	Cone Lens Attachment for HBX1 Prismatic Reflectors		HB-DLX1	Drop Lens Attachment for HBX1 Prismatic Reflectors		
	ACCESS	SORIES				
HB-JB2X1	Junction Box for HBX1 High Bays (300W models)		HB-WG2X1	Wire Guard for HBX1 High Bays (300W models)		
HB-MSX1-1	Integrated Motion Sensor for 120-277V HBX1 High Bays	7	HB-34NPTAX1	3/4" NPT Adaptor for HBX1 High Bays		
HB-RCX1	Remote Control for 120-277V Integrated Motion Sensors (HBX1 High Bays)		НВ-ҮКХ1	Yoke Mount for HBX1 High Bays		
HB-24EBX1	24W Emergency Battery for 120-277 HBX1 High Bays		HB-EYEBOLT	Eyebolt for HBX1 High Bays		
		0	HB-CARABINER	Carabiner for HBX1 High Bays		
HBX1				5-1-M1EB2 DERS  Straight Plug Straight Plug A Locking Plug A Locking Plug Straight Plug Straight Plug Straight Plug Straight Plug A Locking Plug DA Locking Plug		
		⊔ EB2		Battery Backup not compatible with motion sensor)		

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.
 Exceeding maximum ratings for input voltage and current will cause hazardous overload and will likely destroy the LED fixture.
 Refer to Warranty Terms & Conditions available at premiseled.com/warranty