



## HB4-SERIES MONOPOINT HIGH BAY



Catalog #	
Project	
Date	
Prepared by	
Model #	<b>HB4-2404-2</b>

### OVERVIEW

The HB4-Series Monopoint High Bays are purpose-built for the North American market. A unique integrated wiring compartment means connections can finally be completed directly on the fixture. Multiple knockouts make it compatible with any controls system by giving you room to add sensors and other wireless communications devices and performance-wise, they're designed with a larger diameter chip array allowing for better thermal performance and the capacity for more powerful LED chips.

### PRODUCT HIGHLIGHTS

- Features a multi-functional junction box for easy connection to photocell, motion sensor and other accessories
- Best-in-class Lumileds Luxeon 3030 LED, designed in the USA
- TM-21 Projected Lifetime (L70) over 100,000 hrs
- Built-in surge protection up to 10kV
- Specially designed lens with "bumps" to reduce glaring
- IP65 rated
- Four reflector configuration options available
- 10-year warranty

### OPTICAL SPECIFICATIONS

Lumen Output (lm) <sub>1</sub>	33122 lm	Beam Angle (°) <sub>1</sub>	90°
CCT (K) <sub>1</sub>	4000K	Projected Lifetime (L <sub>70</sub> )	>100,000 hrs
CRI (Ra) <sub>1</sub>	>70	Lumen Maintenance Factor	70%
Efficacy (lm/W) <sub>1</sub>	>149 lm/W	Chromaticity Shift	±120K

### ELECTRICAL SPECIFICATIONS

Power	240W	Current Draw at 120V <sub>AC</sub> (A) <sub>2</sub>	-
Apparent Power (VA)	246VA	Current Draw at 208V <sub>AC</sub> (A) <sub>2</sub>	-
System Wattage (W)	221W	Current Draw at 240V <sub>AC</sub> (A) <sub>2</sub>	-
Replacement for	400W MH 310W HPS	Current Draw at 277V <sub>AC</sub> (A) <sub>2</sub>	1.0A
		Current Draw at 347V <sub>AC</sub> (A) <sub>2</sub>	0.8A
Input Voltage	277-480VAC <sub>2</sub>	Current Draw at 480V <sub>AC</sub> (A) <sub>2</sub>	0.6A

### LED & DRIVER SPECIFICATIONS

LED (Brand)	LumiLEDs	Power Factor	>0.9
LED Design Origin	United States	THD	15.00%
LED Type	Luxeon 3030	Inrush Current (A)	Cold Start 50A at 480V
Dimmable	Yes (1-10V)	Driver Class	Class 2
Output Voltage (VDC)	21-42 VDC	Surge Protection	4 kV

CONSTRUCTION		APPROVALS & LISTINGS		
Housing Material	Die Cast Alumium	DLC Premium		PR96VYL6
Housing Color	Black	UL/ETL		cULus
Lens Material	Polycarbonate	UL/ETL File Number		E473127
Dimensions (inch/mm)	15.7"Φ x 10.1" (H) 400 mm Φ x 257 mm(H)"	Rated Lifetime <sup>1</sup>		
		Models	Lumen Output = 90% of Initial (L <sub>90</sub> ) <sup>2</sup>	Lumen Output = 70% of Initial (L <sub>70</sub> ) <sup>2</sup>
		HB4-100x-x HB4-150x-x HB4-240x-2 HB4-300x-2	>55,000 hrs	>100,000 hrs
		HB4-240x-1	>55,000 hrs	>120,000 hrs
		HB4-300x-1	>55,000 hrs	>75,000 hrs
Weight (kg/lbs)	7.5 kgs 16.6 lbs	<div>1. Rated Lifetime projected the time needed for the fixture to drop its lumen output to 90% and 70% of its initial value, which was measured based on IESNA LM-79-80 luminaire test reports.</div> <div>2. Calculations are based on ISTMT (In Situ) luminaire test report, estimated rated lifetime (hours) at T<sub>a</sub>=77°F / 25°C (ambient temperature).</div>		
Installation Method	Hook			
Operation Range (°F/°C)	-40°F to +122°F -40°C to +50°C			
IP Rating	IP65			
Warranty <sub>3</sub>	10 Years			

1. Rated Lifetime projected the time needed for the fixture to drop its lumen output to 90% and 70% of its initial value, which was measured based on IESNA LM-79-80 luminaire test reports.
2. Calculations are based on ISTMT (In Situ) luminaire test report, estimated rated lifetime (hours) at T<sub>a</sub>=77°F / 25°C (ambient temperature).

## OPTIONAL ACCESSORIES

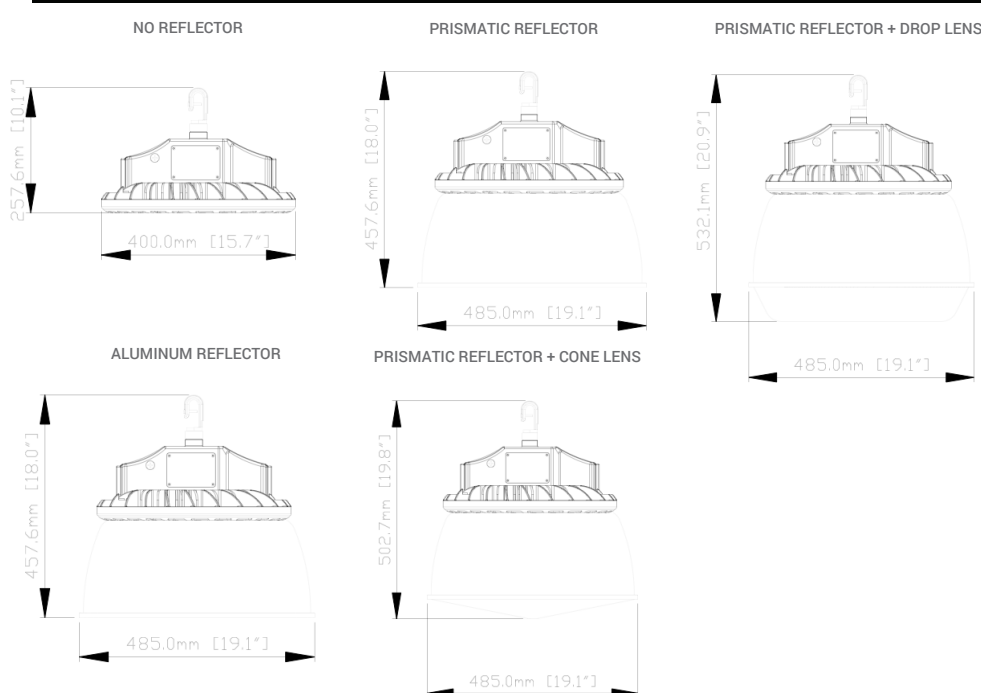
### ALUMINUM REFLECTORS

<b>HB4-16AL80D</b>	16" Aluminum Reflector (80°) for: HB4-100X-X HB4-150X-X	<b>HB4-19AL80D</b>	19" Aluminum Reflector 80° for: HB4-240X-X HB4-300X-X
--------------------	---	--------------------	---

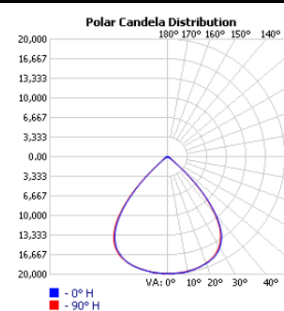
### PRISMATIC REFLECTORS & ATTACHMENTS

<b>HB4-16PR75D</b>	16" Prismatic Reflector (75°) for: HB4-100X-X HB4-150X-X	<b>HB4-19PR75D</b>	19" Prismatic Reflector (75°) for: HB4-240X-X HB4-300X-X
<b>HB4-16PC80D</b>	Cone Lens attachment for HB4-16PR75D fits: HB4-100X-X HB4-150X-X	<b>HB4-19PC80D</b>	Cone Lens attachment for HB4-19PR75D fits: HB4-240X-X HB4-300X-X
<b>HB4-16PD80D</b>	Drop Lens attachment for HB4-16PR75D fits: HB4-100X-X HB4-150X-X	<b>HB4-19PD80D</b>	Drop Lens attachment for HB4-19PR75D fits: HB4-240X-X HB4-300X-X

## DIMENSIONS



## CANDELA



## ILLUMINANCE AT A DISTANCE

6.6ft / 2M	461.19 fc / 4964.25 LUX
9.8ft / 3M	204.97 fc / 2206.33 LUX
13.1ft / 4M	115.30 fc / 1241.06 LUX
16.4ft / 5M	73.79 fc / 794.28 LUX
19.7ft / 6M	51.24 fc / 551.58 LUX

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)

Specifications and dimensions  
subject to change without notice.

3401 ENTERPRISE PARKWAY  
BEACHWOOD, OH USA 44122

80-86 CARRIER DRIVE  
TORONTO, ON CANADA M9W 5R1