



HB4-SERIES MONOPOINT HIGH BAY



Project	
Date	
Prepared by	
Model #	HB4-1504-1

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) ₁	21801 lm	Beam Angle (°) ₁	90°
CCT (K) ₁	4000K	Projected Lifetime (L ₇₀)	>100,000 hrs
CRI (Ra) ₁	>70	Lumen Maintenance Factor	70%
Efficacy (lm/W) ₁	>149 lm/W	Chromaticity Shift	+120K

ELECTRICAL SPECIFICATIONS

Power	150W	Current Draw at 120V _{AC} (A) ₂	1.5A
Apparent Power (VA)	162VA	Current Draw at 208V _{AC} (A) ₂	0.9A
System Wattage (W)	145W	Current Draw at 240V _{AC} (A) ₂	0.8A
Replacement for	400W+ HID or HPS/MH	Current Draw at 277V _{AC} (A) ₂	0.7A
		Current Draw at 347V _{AC} (A) ₂	-
Input Voltage	100-277VAC ₂	Current Draw at 480V _{AC} (A) ₂	-

LED & DRIVER SPECIFICATIONS

LED (Brand)	LumiLEDs	Power Factor	>0.9
LED Design Origin	United States	THD	15.00%
LED Type	Luxeon 3030	Driver Class	Class 2
Dimmable	Yes (1-10V)	Surge Protection	6 kV
Output Voltage (VDC)	40 VDC		

CONSTRUCTION		APPROVALS & LISTINGS		
Housing Material	Die Cast Alumium	DLC Premium		P04ACZDM
Housing Color	Black	UL/ETL		cULus
Lens Material	Polycarbonate	UL/ETL File Number		E473127
Dimensions (inch/mm)	13.8"Φ x 9.4" (H) 350 mm Φ x 240 mm(H)	Rated Lifetime ¹		
		Models	Lumen Output = 90% of Initial (L ₉₀) ²	Lumen Output = 70% of Initial (L ₇₀) ²
Weight (kg/lbs)	6.1 kgs/13.5 lbs	HB4-100x-x HB4-150x-x HB4-240x-2 HB4-300x-2	>55,000 hrs	>100,000 hrs
Installation Method	10' cord (pre-installed) Hook (incl.) or Yoke (optional)	HB4-240x-1	>55,000 hrs	>120,000 hrs
Operation Range (°F/°C)	-22°F to +122°F/-30°C to +50°C	HB4-300x-1	>55,000 hrs	>75,000 hrs
IP Rating	IP65	<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_A=77°F / 25°C (ambient temperature).</div>		
Wet Location Rated	UL E473127			
Warranty ₃	10 Years			

OPTIONAL ACCESSORIES

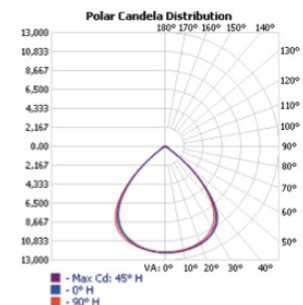
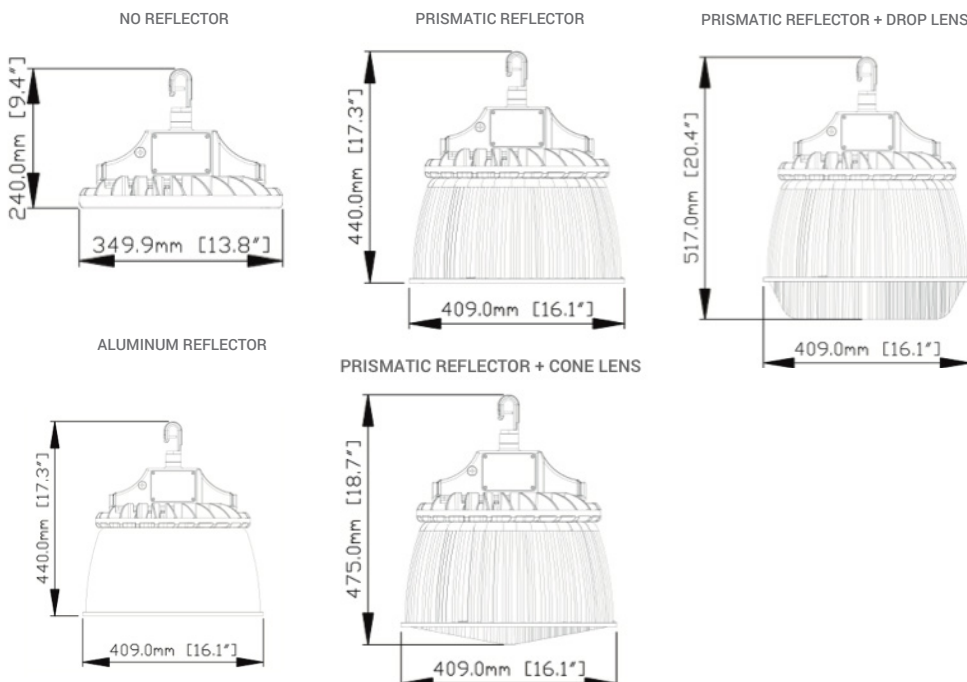
ALUMINUM REFLECTORS				MOUNTING ACCESSORIES	
HB4-16AL80D	16" Aluminum Reflector (80°) for: 100W/150W	HB4-19AL80D	19" Aluminum Reflector (80°) for: 240W/300W	HB4-11YM	Yoke Mount for: 100W/150W
				HB4-12YM	Yoke Mount for: 240W/300W

PRISMATIC REFLECTORS & ATTACHMENTS

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

DIMENSIONS

CANDELA



ILLUMINANCE AT A DISTANCE

6.6ft / 2M	281.86 fc / 3033.92 LUX
9.8ft / 3M	125.27 fc / 1348.41 LUX
13.1ft / 4M	70.47 fc / 758.48 LUX
16.4ft / 5M	45.10 fc / 485.43 LUX
19.7ft / 6M	31.32 fc / 337.10 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

Specifications and dimensions
subject to change without notice.

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