Project	
Date	
Prepared by	
Model #	**HB4-1004-1**

HB4-SERIES MONOPOINT HIGH BAY

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]	13947 lm	**Beam Angle (°)** [1]	90°
CCT (K) [1]	4000K	**Projected Lifetime (L_{70})**	>100,000 hrs
CRI (Ra) [1]	>73	**Lumen Maintenance Factor**	70%
Efficacy (lm/W) [1]	>141 lm/W	**Chromaticity Shift**	+120K
ELECTRICAL SPECIFICATIONS			
Power	100W	**Current Draw at 120V_{AC} (A)** [2]	1.0A
Apparent Power (VA)	104VA	**Current Draw at 208V_{AC} (A)** [2]	0.6A
System Wattage (W)	96W	**Current Draw at 240V_{AC} (A)** [2]	0.5A
Replacement for	Up to 400W HID or HPS/MH	**Current Draw at 277V_{AC} (A)** [2]	0.5A
		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**	0.92
LED Design Origin	United States	**THD**	17.17%
LED Type	Luxeon 3030	**Driver Class**	Class 2
Dimmable	Yes (1-10V)	**Surge Protection**	6 kV
Output Voltage (VDC)	40 VDC		

CONSTRUCTION

Housing Material	Die Cast Alumium
Housing Color	Black
Lens Material	Polycarbonate
Dimensions (inch/mm)	13.8"Φ x 9.4" (H) 350 mm Φ x 240 mm(H)
Weight (kg/lbs)	6.1 kgs/13.5 lbs
Installation Method	10' cord (pre-installed) Hook (incl.) or Yoke (optional)
Operation Range (°F/°C)	-22°F to +122°F/-30°C to +50°C
IP Rating	IP65
Wet Location Rated	UL E473127
Warranty [3]	10 Years

APPROVALS & LISTINGS

DLC Premium	PIZS24SW
UL/ETL	cULus
UL/ETL File Number	E473127

Rated Lifetime[1]

Models	Lumen Output = 90% of Initial (L_{90})[2]	Lumen Output = 70% of Initial (L_{70})[2]
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

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_A=77°F / 25°C (ambient temperature).

OPTIONAL ACCESSORIES

ALUMINUM REFLECTORS

HB4-16AL80D	16" Aluminum Reflector (80°) for: 100W/150W	**HB4-19AL80D**	19" Aluminum Reflector 80° for: 240W/300W

MOUNTING ACCESSORIES

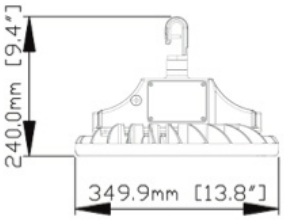
HB4-11YM	Yoke Mount for: 100W/150W
HB4-12YM	Yoke Mount for: 240W/300W

PRISMATIC REFLECTORS & ATTACHMENTS

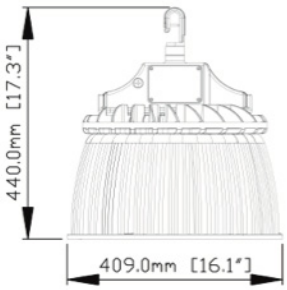
HB4-16PR75D	16" Prismatic Reflector (75°) for: 100W/150W	**HB4-19PR75D**	19" Prismatic Reflector (75°) for: 240W/300W
HB4-16PC80D	Cone Lens attachment for HB4-16PR75D fits: 100W/150W	**HB4-19PC80D**	Cone Lens attachment for HB4-19PR75D fits: 240W/300W
HB4-16PD80D	Drop Lens attachment for HB4-16PR75D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

DIMENSIONS

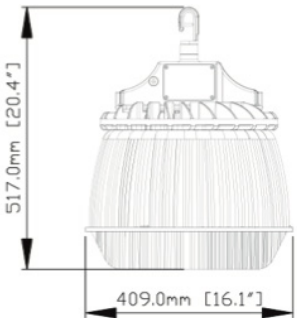
NO REFLECTOR



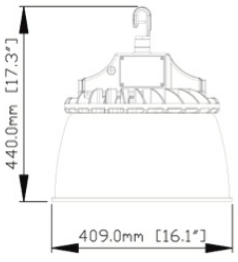
PRISMATIC REFLECTOR



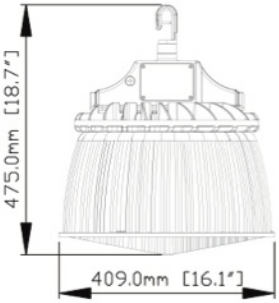
PRISMATIC REFLECTOR + DROP LENS



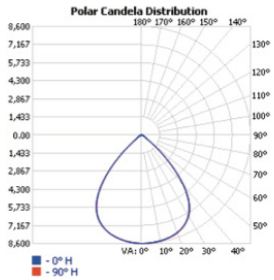
ALUMINUM REFLECTOR



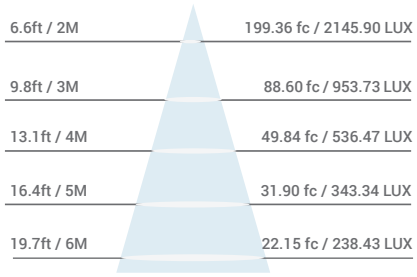
PRISMATIC REFLECTOR + CONE LENS



CANDELA



ILLUMINANCE AT A DISTANCE



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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