



HAZARDOUS LOCATION VAPOR TIGHT HIGH BAY



407-478-3759
www.ilp-inc.com

HZ Series Playlist



SCAN ME
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FEATURES

- Robust Hazardous Location Wide Body Vapor Tight High Bay
- Class 1 Div 2 Groups A, B, C & D
- Class 1 Zone 2 Groups IIA, IIB+ H2, IIC
- UL844 Hazardous
- Industry Leading Max Ambient up to 140°F
 - Ambient Range -40°F to 140°F (Select Models)
- Extremely High Efficacy up to 168 lm/W
- 2ft & 4ft Fixture Lengths
- Lumen Packages Ranging 12,000–40,000
- Wide & Best in Class Narrow Distribution Optics
- Surface, Pendant, or Suspended Mounting Options
- IK10 Impact Rated Lens
- Fiberglass Body Attributes
 - T4 Housing Ignition Temperature Rated
 - F1 Weatherability Rating, 5VA Flame Rating & 1500 PSI High Pressure Hosedown
 - IP65, IP66, IP67, & IP69 (2ft Only), NEMA4X, NSF
- 3000K–5000K CCT
- >80 Color Rendering Index (CRI)
- Calculated L70 >100,000 Hours
- 0-10V Dimmable Driver (100%-10%)
- 5 Year Warranty
- ETL Listed for Wet Locations
- DesignLights Consortium® Premium Qualified Luminaire



ASSOCIATED PRODUCTS
HZV Hazardous Vapor Tight

CLASS 1 DIV 2
GROUPS A, B, C, D

NEMA4X



SUITABLE APPLICATIONS

- | | | | |
|----------------------------------|---|---|----------------------------|
| • Chemical Processing Facilities | • Industrial & Manufacturing Facilities | • Wastewater & Water Treatment Facilities | • Coolers & Freezers |
| • Ethanol & Petroleum Refineries | • Power Generation Facilities | • Food & Beverage Preparation | • Natatorium ¹⁴ |

ORDERING GUIDE:

SERIES	LUMENS(select one)		DRIVER		CCT	LENS OPTIONS		DISTRIBUTION		TEMPERATURE ²
HZB2 2ft Hazardous Vapor Tight High Bay	12L	24L	U	120-277V	50	CAL	Clear Acrylic	BLANK	Wide Distribution	BLANK Standard Ambient Temp
	18L		HV	347-480V	40	FRAL	Frosted Acrylic	ND	Narrow Distribution	HT ^{11,15} High Ambient Temp
					35	PCL	Clear Polycarbonate			
HZB4 4ft Hazardous Vapor Tight High Bay	12L	30L			30	PFL ¹	Frosted Polycarbonate			
	18L	36L								
	24L	40L								

OPTIONS		MOUNTING OPTIONS	
Factory Installed		Basic	
SS	Stainless Steel Latches - standard HZB	HZB-RMBSS ^{5,9,10}	HZB Rigid Mounting Beam for Surface or Dual Pendant Mounting
EM10 ^{3,11,12}	10W Factory Installed Battery Backup	HZB2-RCMBKSS ^{6,9,10}	HZB2 Center Bracket for Single Point Mounting
TPS	Tamper Proof Screws Installed	HZB4-RCMBKSS ^{6,9,10}	HZB4 Center Bracket for Single Point Mounting
Cx/3W ¹³	Wet-location rated cord installed (xFT = Length; x=6,10,15,20)	SMB KIT HZB	Surface Mount V-Clip Brackets
Cx/5W ¹³	Wet-location rated 6ft 5-wire cord w/ 1 ground, 2 power, and 2 dimming leads (xFT = Length; x=6,10,15,20)	HZ-HUB 1/2 ⁷	Conduit Hub ½" For Dual Pendant Mount Only
EMH1	½" Hub installed on one end of housing for power entry	HZ-HUB 3/4 ¹⁰	Conduit Hub ¾" For Single Pendant Mount Only
EMH2 ⁴	½" Hub installed on both ends of housing for power entry	ACxY	Adjustable Y-Toggle aircraft cable set (x = 5' or 10')
		ACxY/SS	Stainless Steel Adjustable Y-Toggle aircraft cable set (x = 5' or 10')

¹Reference DLC Website for current listing

²Reference High Ambient Temperature Ratings by lumen package on page 3

³Operating temp down to 32°F

⁴Cannot be used with power cord

⁵Must be used w/ (2) HUB 1/2 if dual pendant mounting

⁶Use w/ HZB-RMBSS & HUB 3/4 if single pendant mounting

⁷Must be used w/ RMBSS for dual pendant mounting

⁸Must be used w/ HZB-RMBSS & HZB-RCMBKSS if single pendant mounting

⁹Does not qualify for NSF standards

¹⁰Not available for pendant mounting in Canada

¹¹Cannot be combined with the HV option

¹²Option reduces fixture max ambient temperature

¹³Not available with Plug; consult factory for demo model with plug

¹⁴When used with PC Lens and SS Latches

¹⁵Not available with Battery Backups

HAZARDOUS LOCATION VAPOR TIGHT HIGH BAY

¹Values are nominal, see IES file for more detail
²Electrical data at 25C (77F). Actual wattage may differ by +/-10%.
³Please refer to the DLC Qualified Products List at www.Designlights.org/QPL to confirm specific product qualifications.

HZB

HAZARDOUS LOCATION VAPOR TIGHT HIGH BAY

AMBIENT TEMPERATURE RANGE

Part Numbers	Suspended (18 in.)		Surface Mount	
	Standard	High-Temp	Standard	High-Temp
HZB2-12L-U-XX-CAL	122°F	131°F	113°F	122°F
HZB2-18L-U-XX-CAL	113°F	122°F	104°F	113°F
HZB2-24L-U-XX-CAL	104°F	113°F	90°F	99°F
HZB4-12L-U-XX-CAL	131°F	140°F	122°F	131°F
HZB4-18L-U-XX-CAL	131°F	140°F	122°F	131°F
HZB4-24L-U-XX-CAL	125°F	131°F	114°F	120°F
HZB4-30L-U-XX-CAL	122°F	131°F	111°F	120°F
HZB4-36L-U-XX-CAL	122°F	131°F	111°F	120°F
HZB4-40L-U-XX-CAL	113°F	122°F	102°F	111°F

SPECIFICATIONS

CONSTRUCTION

Injection molded one piece 5VA rated fiberglass body with chemical resistant finish for rigidity, durability and prolonged life in rough environments. F1 weatherability and 1500 PSI hosedown rated housing. T4 Housing Ignition Temperature Rated. Toolless hinged removable gear tray for quick and easy access to electrical. Captive latches fastened to housing to safely secure lens to housing. Designed to achieve maximum performance and improved aesthetics.

ELECTRICAL

Class 2 LED light engine for high efficacy and long life. Calculated L70 > 100,000hrs. LED Lumen Maintenance Estimates based on TM-21 projections for the light source at 25°C ambient. Power Factor > 0.90. Standard 120-277 Vac 0-10V dimmable (10%-100%) with optional 347V-480Vac High Voltage Driver. 6kV Surge Protection Standard. Optional emergency battery backup available to meet critical life safety lighting requirements. Fixture reduced maximum ambient for emergency battery backup.

INSTALLATION

Designed for a variety of mounting applications including surface, single and dual pendant, and suspended. Pre-drilled holes on each side of fixture for electrical access and wiring. Holes plugged from factory with rubber IP rated seal. 1/2" HUBs available for threaded power entry from both ends. Toolless hinged removable gear tray for quick and easy access to electrical.

WARRANTY

5 Year Warranty (Terms and Conditions apply)

OPTICS

Robust injection molded and impact resistant PMMA lens options for durability and LED glare reduction. Standard Clear Acrylic and optional Frosted Acrylic, Clear & Frosted Polycarbonate lens options available. All lens options are IK10 rated; highest impact rating available. Field removeable lens for easy access to LED boards, drivers & maintenance.

THERMAL

Ambient temperature range -40°F up to 140°F (-40°C to 60°C) on select models with high ambient temperature options. Fixture to be mounted at a minimum plenum height of 18" for suspended mounting. Reduced maximum ambient for surface mounting. Reference High Ambient Temperature Ratings by lumen package on page (3) for more detail.

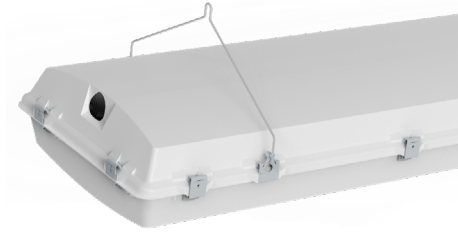
CERTIFICATIONS

ETL Listed to US and Canadian safety standards. Suitable for Wet Locations. American Recovery and Reinvestment Act Funding Compliant. BAA Compliant. Hazardous Location Class 1 Division 2, Groups A, B, C, D. Class 1 Zone 2 Groups IIA, IIB + H2, IIC. UL844 Hazardous. IP65, IP66, IP67, & IP69 Rated. NSF Listed. NEMA 4X Rated. 1500 PSI Hosedown Rated. DLC Premium Listed Product, Not all versions of this product may be DLC Premium qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

HZB

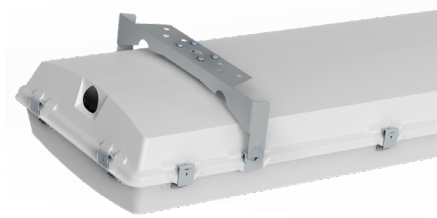
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MOUNTING OPTIONS



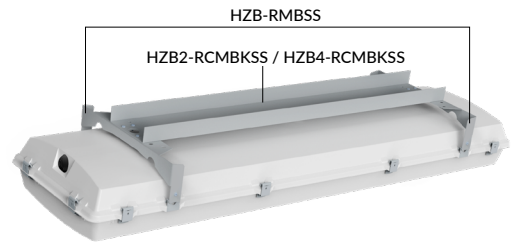
V-HOOKS

Provided standard for dual point chain or cable hanging



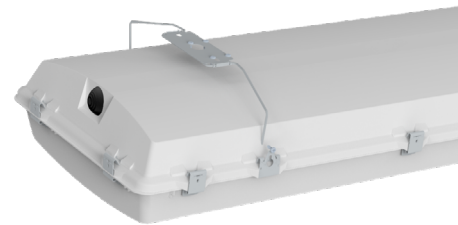
HZB-RMBSS

Stainless Steel Rigid Mounting Beam for secure surface mounting or dual pendant mounting.
(Two 1/2" Conduit Hubs required for dual pendant mounting, sold separately)



HZB2-RCMBKSS / HZB4-RCMBKSS

Stainless Steel Rigid Mounting Bracket for Single Point Mounting. Must be used in combination of HZB-RMBSS and HZ-HUB 3/4 (One 3/4" Conduit Hub required for single point mounting, sold separately)



SMB KIT HZB

Surface Mount V-Clip Brackets provides a 2" space above the fixture



ACxY

Includes 2 adjustable cable hangers.
Available in 5' or 10'. Stainless Steel optional.



HZ-HUB 1/2 & HZ-HUB 3/4

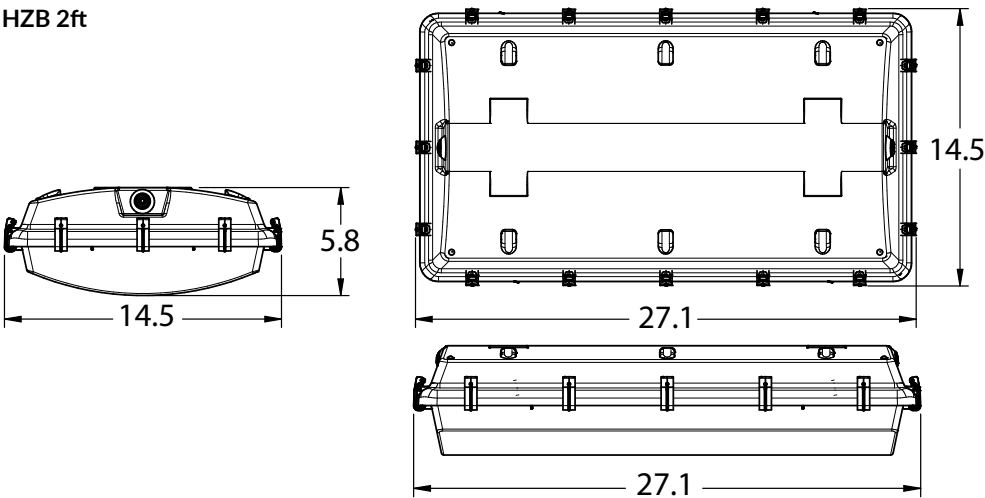
HZ-HUB 1/2 - 1/2" Conduit Hub for Dual Pendant Mounting. Requires use of HZB-RMBSS.
HZ-HUB 3/4 - 3/4" Conduit Hub for Single Pendant Mounting. Requires use of HZB-RCMBKSS and HZB-RMBSS.

HZB

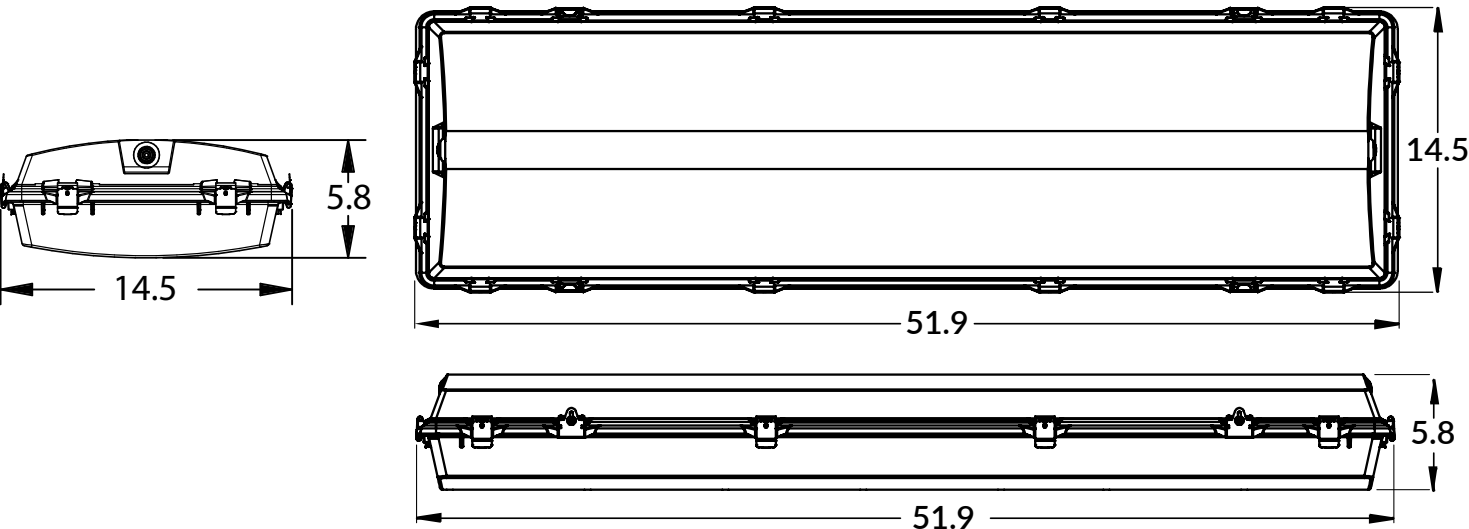
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LINE DRAWING

HZB 2ft



HZB 4ft

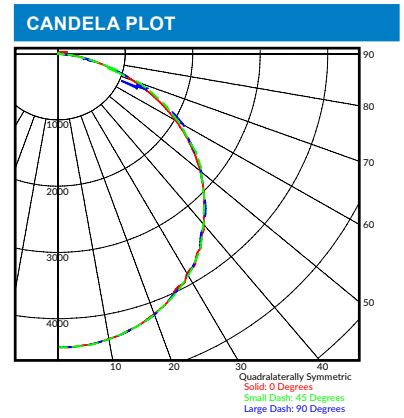


HAZARDOUS LOCATION VAPOR TIGHT HIGH BAY

PHOTOMETRIC DATA

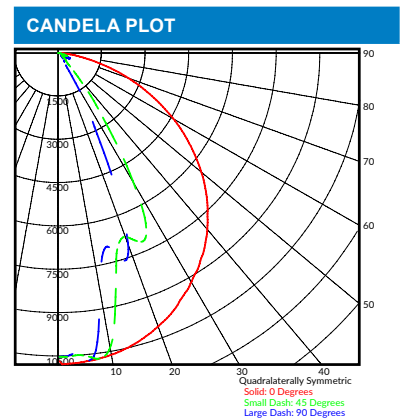
LUMINAIRE DATA	
Part Number	HZB2-12L-U-50-CAL
Description	2ft Hazardous Location Vapor Tight High Bay, 13,000 Lumens, Clear Acrylic Lens
Fixture Lumens (lm)	13,144 lm
Wattage (W)	80 W
Efficacy (lm/W)	164 lm/W
Mounting	Suspended
Spacing Criteria	0° = 1.30, 90° = 1.29

ZONAL LUMEN SUMMARY		
Zone	Lumens (lm)	% Fixture
0° - 40°	5,787	44%
0° - 60°	10,345	79%
0° - 90°	13,060	99%
90° - 180°	84	0%
0° - 180°	13,144	100%



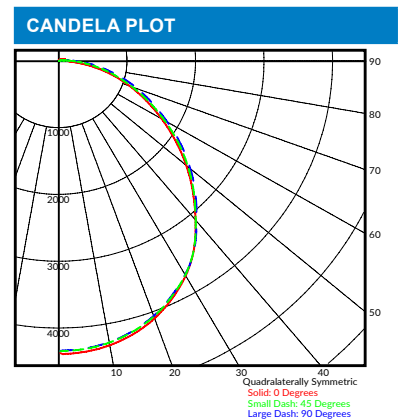
LUMINAIRE DATA	
Part Number	HZB2-12L-U-50-CAL-ND
Description	2ft Hazardous Location Vapor Tight High Bay, 13,000 Lumens, Clear Acrylic Lens with Narrow Distribution
Fixture Lumens (lm)	12,223 lm
Wattage (W)	80 W
Efficacy (lm/W)	152 lm/W
Mounting	Suspended
Spacing Criteria	0° = 1.29, 90° = 0.77

ZONAL LUMEN SUMMARY		
Zone	Lumens (lm)	% Fixture
0° - 40°	8,549	70%
0° - 60°	11,158	91%
0° - 90°	12,223	100%
90° - 180°	0	0%
0° - 180°	12,223	100%



LUMINAIRE DATA	
Part Number	HZB2-12L-U-50-FRAL
Description	2ft Hazardous Location Vapor Tight High Bay, 13,000 Lumens, Frosted Acrylic Lens
Fixture Lumens (lm)	12,790 lm
Wattage (W)	80 W
Efficacy (lm/W)	159 lm/W
Mounting	Suspended
Spacing Criteria	0° = 1.26, 90° = 1.26

ZONAL LUMEN SUMMARY		
Zone	Lumens (lm)	% Fixture
0° - 40°	5,555	44%
0° - 60°	9,641	75%
0° - 90°	12,492	98%
90° - 180°	292	2%
0° - 180°	12,790	100%



LUMINAIRE DATA	
Part Number	HZB2-12L-U-50-FRAL-ND
Description	2ft Hazardous Location Vapor Tight High Bay, 13,000 Lumens, Frosted Acrylic Lens with Narrow Distribution
Fixture Lumens (lm)	12,050 lm
Wattage (W)	81 W
Efficacy (lm/W)	149 lm/W
Mounting	Suspended
Spacing Criteria	0° = 1.20, 90° = 0.74

ZONAL LUMEN SUMMARY		
Zone	Lumens (lm)	% Fixture
0° - 40°	7,685	64%
0° - 60°	10,466	88%
0° - 90°	11,820	99%
90° - 180°	129	1%
0° - 180°	11,949	100%

