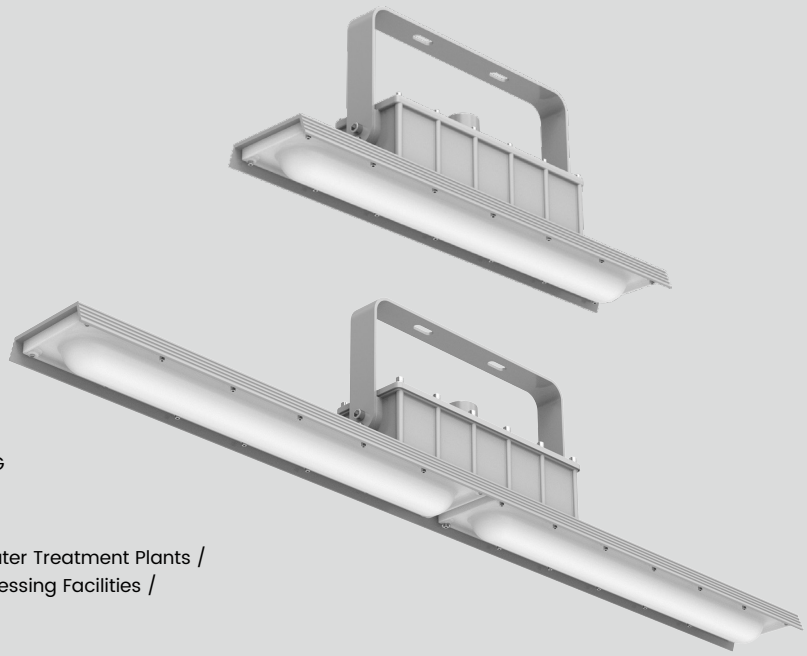
HBZ-L
LED LINEAR HIGHBAY FOR HAZARDOUS LOCATIONS



DESCRIPTION

LED Linear Highbay For Hazardous Locations /
120-277V Input / IP66 Rated
C1D2 Group A,B,C,D / C2D1 Group E,F,G / C2D2 Group F,G

APPLICATION

Power Plants/Heavy Industrials / Paper Mills / Wastewater Treatment Plants / Loading Docks/ Platforms / Shipyards / Chemical Processing Facilities / Petrochemical Processing Facilities

PRODUCT FEATURES

- Durable, Explosion Proof Design, Ideal for Areas with Ignitable and Combustible Elements
- Stainless Steel Exposed Fasteners
- Hook & Cable Comes Standard
- Yoke Mount / Ceiling Mount / Pendant Mount(3/4 NPT) / Chain Mount / Pipe Mount Optional
- UL 844 Hazardous Location
- UL 1598 Wet Location, 1000 hrs salt spray
- UL 1598A Marine Outside Saltwater
- Class I, Division II, Group A,B,C,D
- Class II, Division I, Group E,F,G
- Class II, Division II, Group F,G
- IK08(Glass Cover)/IK10(with wire guard)
- -40°C(-40°F)~55°C(131°F) Operating Temperature
- 0-10V dimmable, 120-277V Input
- LED L70 Life Time>150,000 Hours, 5 Years Warranty Provided

PRODUCT SPECIFICATIONS

Model Number	Input	CCT	CRI	Wattage (W)	Efficacy (LM/W)	Output (LM)
HBZ-L2-20-XX-G2	120-277V	4000K/5000K	>70	20	140	2,800
HBZ-L2-40-XX-G2				40	140	5,600
HBZ-L2-60-XX-G2				60	140	8,400
HBZ-L4-80-XX-G2	120-277V	4000K/5000K	>70	80	140	11,200
HBZ-L4-100-XX-G2				100	140	14,000
HBZ-L4-150-XX-G2				150	140	21,000
HBZ-L4-200-XX-G2				200	140	28,000

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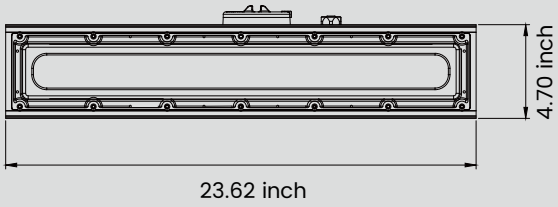
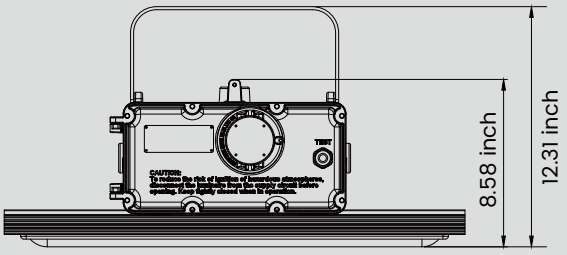
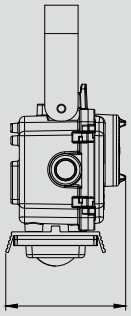
DIMENSIONS

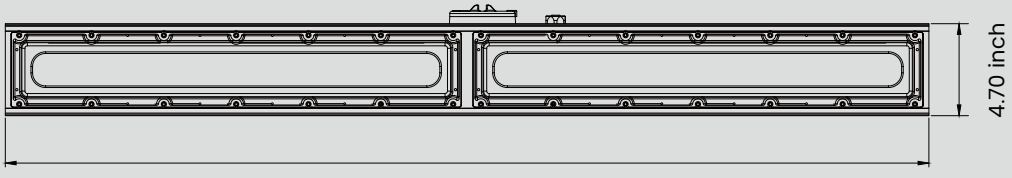
HBZ-L2 20W/40W/60W

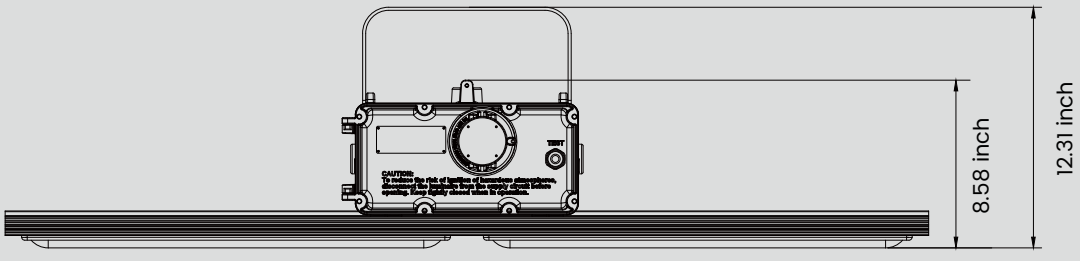


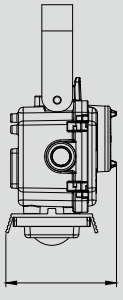




HBZ-L4 80W/100W/150W/200W







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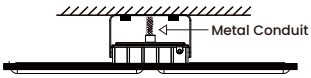
Mounting Methods and Accessories

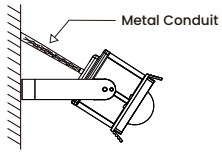
Option 1: Ceiling Mounting



Accessory



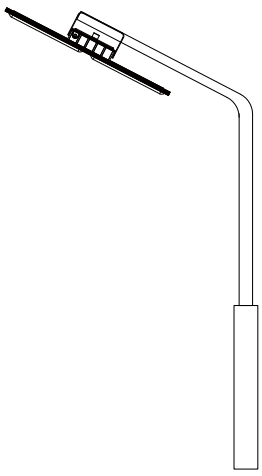
Wall Mounting



Accessory



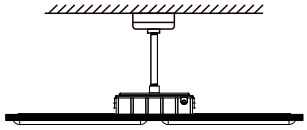
Option 3: Pole Mounting



Accessory



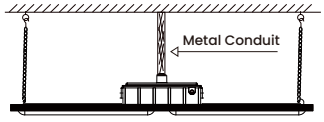
Option 4: Pendant Mounting



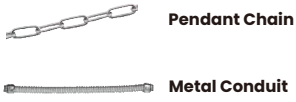
Accessories



Option 5: Chain Mounting



Accessories







Part Number	Description
EM-15W-HL-X1	Emergency Kit for 20W-150W, Input: 120-347VAC, Emergency Output: 8W, 25-55VDC, Emergency Time: 90 mins, LiFePO4 Battery
EM-15W-HL1	Emergency Kit for 200W-500W, Input: 120-347VAC, Emergency Output: 15W, 25-55VDC, Emergency Time: 90 mins, Li(NiCoMn)O2 Battery
EX-IN02-A	Explosion-proof microwave sensor, 120-277VAC, 40ft max mounting

ORDER FORMAT

Family	Housing	Wattage	CCT*	Beam Angle	Diffuser	Input	Gen
HBZ							G2
	L2=2ft	20	40	Blank=120D	P=Clear Flat PC	Blank=120-277V	
		40	50		PC=Clear Convex PC	V=277-480V	
		60					
	L4=4ft	80					
		100					
		150					
		200					

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LISTINGS

UL 844
Standard for Luminaires for Use in Hazardous (Classified) Locations

UL 1598
Standard for Luminaires

UL Listed for Wet Locations

IP66 Rating
No ingress of dust, complete protection against contact (dust tight); no ingress of water projected in powerful jets from and direction.

Class I, Division 2, Group A, B, C, D
Class I: A hazardous location in which flammable gases or vapors may be present in the air in sufficient quantities to be explosive or ignitable, such as petroleum refineries, aircraft hangars, dry cleaning plants, utility gas plants or storage areas for liquified petroleum or natural gas, and spray finishing areas.

Division 2: Abnormal condition, where ignitable concentrations of flammable gases, vapors or liquids are not likely to exist under normal operating conditions Class I locations are broken into four groups by the Code: A, B, C and D.

Group A: The only substance in Group A is acetylene because it is a gas with extremely high explosion pressures.

Group B: This group includes hydrogen and other materials with similar characteristics.

Group C&D: The most usual Class I groups. They comprise the greatest percentage of all Class I hazardous locations. Found in Group C is ethylene. Found in Group D are many of the most common flammable substances such as butane, gasoline, natural gas and propane.

Class II, Division 1, Group F, G, Class II, Division 2, Group E, F, G

Class II: Hazardous locations where combustible dust may form explosive mixtures in air.
Division 1: Hazardous dust cloud exists under normal operation, continuously / intermittently / periodically.
Division 2: Explosive dust concentration only occurs under abnormal conditions (equipment failure, broken seal). Normally only dust deposits exist.
Group E: Conductive combustible metal dust (Aluminum, Magnesium, Titanium). Highly conductive, easy to short circuit.
Group F: Carbonaceous dust (coal, coke, carbon black, charcoal, >8% volatile content).
Group G: All other non□conductive organic combustible dust (flour, grain, wood, plastic, sugar).

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