LED ROUND HIGHBAY
FOR HAZARDOUS LOCATIONS

ATG ELECTRONICS





Product Description

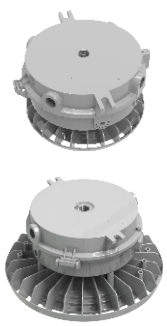
The HBZ Series LED luminaire is the ideal choice for hazardous applications. They can be used in locations where moisture,dirt, dust, corrosion and vibration may be present, or areas where wind, water, snow or high ambient can be expected. Featuring various shapes of driver box cover, this series is designed to meet different requirements of installations.

Features

- Compact and rugged structure, easy for installation
- Various kinds of driver box cover available, designed for different installation requirements
- Shock and vibration resistance with IK08/IK10 certified
- Aluminum housing, great corrosion resistance and cooling performance
- Wire guard is optional

Different Mounting Kit Design

Ceiling Mount



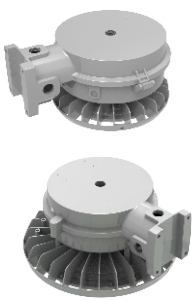
Yoke Mount



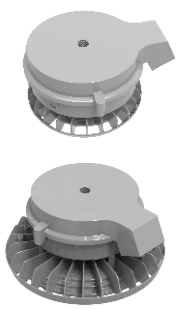
Pendant Mount



Arm Mount



Stanchion 25°



HBZ: Ideal Replacements of Eaton's Crouse-Hinds – Champ® Products

Eaton's Crouse-Hinds – Champ®				
Pendant	**Ceiling**	**Wall**	**Stanchion**	**Quad Mount**
APM2	CM2	TWM2	JM5	QM25
AMP3	CM3	TWM3	PM5	
HPM2				

Note: Venas HBZ LED luminaires can directly replace Eaton's Crouse-Hinds – Champ® products shown in the chart.

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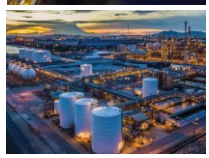
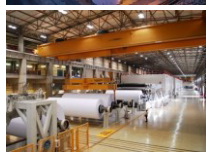
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Compliance

UL 844 Hazardous Locations
Class I Division 2, Group A, B, C, D
Class II Division 1, Group E, F, G
Class II Division 2, Group F, G
Class III
Class I, Zone 2, Group IIA, IIB, IIC
Zone 21 or 22
0-10V dimming
UL 1598, UL 1598A
ABS
IP66
IK08 (without wire guard), IK10 (with wire guard)
1.5G vibration

Application

- Power Plants
- Heavy Industrials Storage Facility
- Paper mills
- Wastewater Treatment Plants
- Loading Docks Platforms
- Offshore Environments
- Chemical Processing Facility
- Petrochemical Processing Facility
- Metallurgical Industry
- Coal Mine
- Food and Alcohol industry

Various Diffusers Optional

R2 (20-70W)


Flat PC / Flat Glass


Convex Glass


Convex PC


Spherical Glass

R3 (100-200W)


Flat Glass


Flat Polycarbonate


Convex Glass


Convex Polycarbonate


Spherical Glass

R4 (250-500W)


Flat Glass


Flat PC


Convex Glass


Convex PC

*Spherical glass diffuser must be ordered with wire guard for vandalproof purpose.

Sensor & EM Pack Optional





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

Wire Guard Optional



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Technical Specifications

Model#	Input	CCT	CRI	Optics	Wattage(W)	Efficacy(LM/W)	Output(LM)
HBZ-R2-20	120-277VAC	2700K-6500K	70	40°/60°/ 90°/120°	20	130	2,600
HBZ-R2-30					30		3,900
HBZ-R2-40					40		5,200
HBZ-R2-50					50		6,500
HBZ-R2-60					60		7,800
HBZ-R2-70					70		9,100
HBZ-R3-100	120-277VAC	2700K-6500K	70	40°/60°/ 90°/120°	100	130	19,500
HBZ-R3-150					150		23,400
HBZ-R3-200					200		26,000
HBZ-R4-250	120-277VAC/ 347-480VAC	2700K-6500K	70	40°/60°/ 90°/120°	250	130	32,500
HBZ-R4-300					300		39,000
HBZ-R4-350					350		45,500
HBZ-R4-400					400		52,000
HBZ-R4-500					500		65,000

*120° optics comes standard, please confirm MOQ for other options before ordering.

Order Format

Series	Housing	Wattage	Function	CCT	Input	Diffuser*	Beam*	Mounting
HBZ	R2							
		20=20W 30=30W 40=40W 50=50W 60=60W 70=70W	Blank=non Turnable	27=2700K 40=4000K 50=5000K 57=5700K 65=6500K	Blank=120-277V	C=Clear Flat Glass CC=Clear Convex Glass CS=Clear Spherical Glass P=Clear Flat PC PC=Clear Convex PC	Blank=120D 4=40D 6=60D 9=90D	Blank=with U-bracekt, Yoke Mount SM=Stanchion Mount H=Pipe Mount

Series	Housing	Wattage	Function	CCT	Input	Diffuser*	Beam*	Mounting
HBZ	R3							
		100=100W 150=150W 200=200W	Blank=non Turnable	27=2700K 40=4000K 50=5000K 57=5700K 65=6500K	Blank=120-277V V=277-480V	C=Clear Flat Glass CC=Clear Convex Glass CS=Clear Spherical Glass P=Clear Flat PC PC=Clear Convex PC	Blank=120D 4=40D 6=60D 9=90D	Blank=with U-bracekt, Yoke Mount SM=Stanchion Mount CE=Ceiling Mount H=Pipe/Pendant Mount

Series	Housing	Wattage	Function	CCT	Input	Diffuser*	Beam*	Mounting
HBZ	R4							
		250=250W 300=300W 350=350W 400=400W 500=500W	Blank=non Turnable	27=2700K 40=4000K 50=5000K 57=5700K 65=6500K	Blank=120-277V V=277-480V	C=Clear Flat Glass CC=Clear Convex Glass P=Clear Flat PC PC=Clear Convex PC	Blank=120D 4=40D 6=60D 9=90D	Blank=with U-bracekt, Yoke Mount SM=Stanchion Mount CE=Ceiling Mount H=Pipe Mount W=Arm Mount

*Clear flat glass and 120° comes standard, contact us for MOQ and lead time on other options.

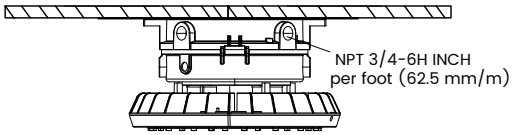
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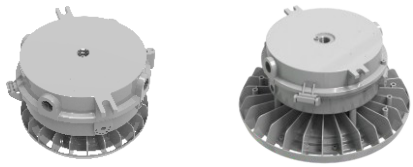
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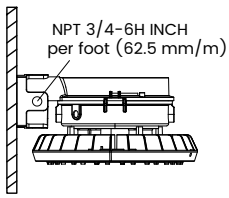
Mounting Methods and Accessories

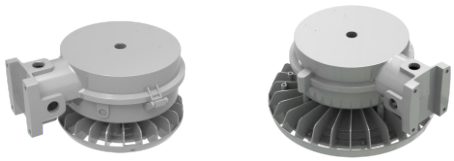
Option 1: Ceiling Mount





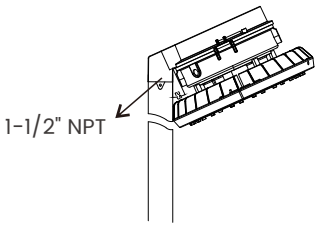
Option 2: Arm Mount

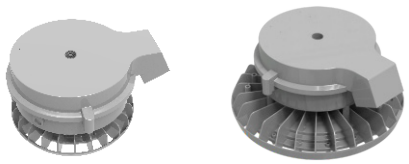




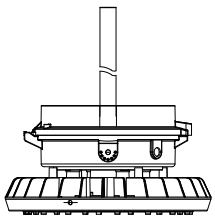
Option 3: Stanchion 25° Mount

Note: The thread of the lamp pole interface is 1-1/2" NPT.





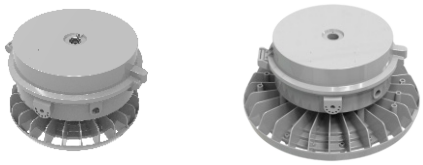
Option 4: Pendant Mount



Accessory (Ordered Separately)

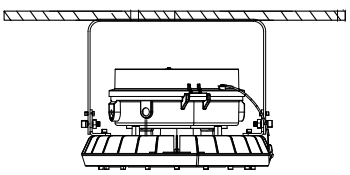
Pole

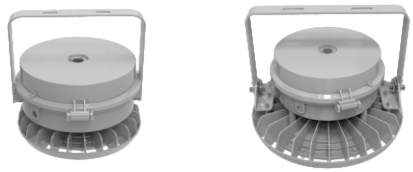




Option 5: Yoke Mount

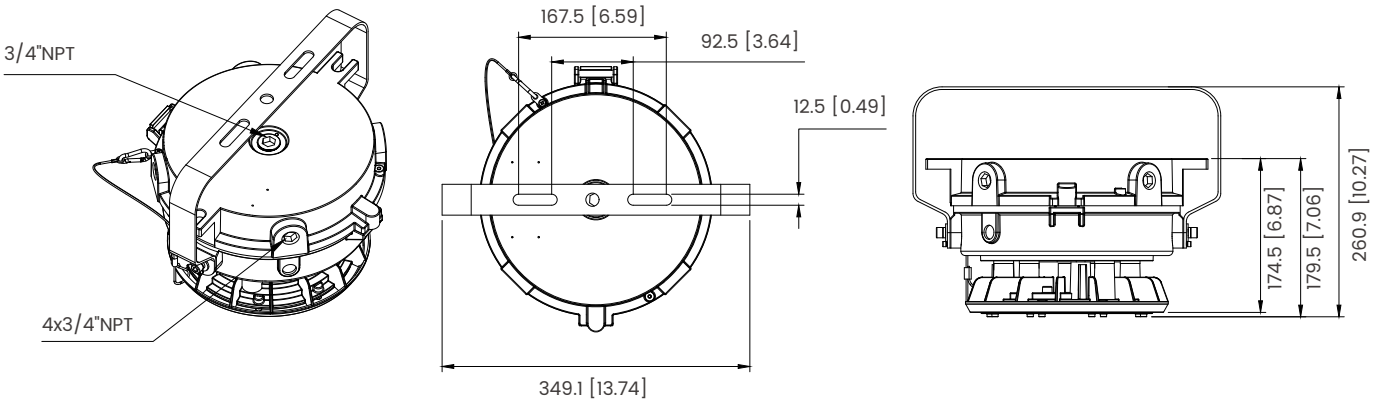
Note: Yoke Mount is standard accessory that is included in the packaging.



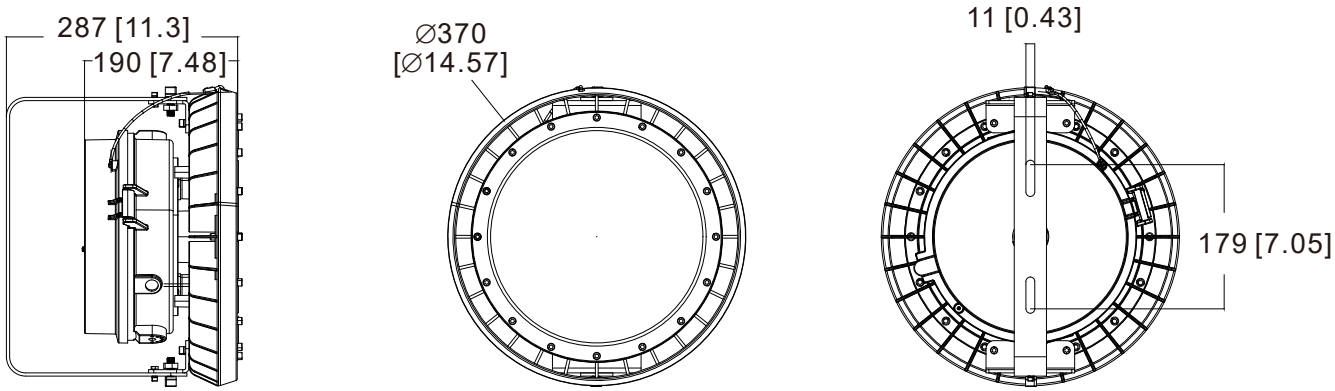


Product Dimensions

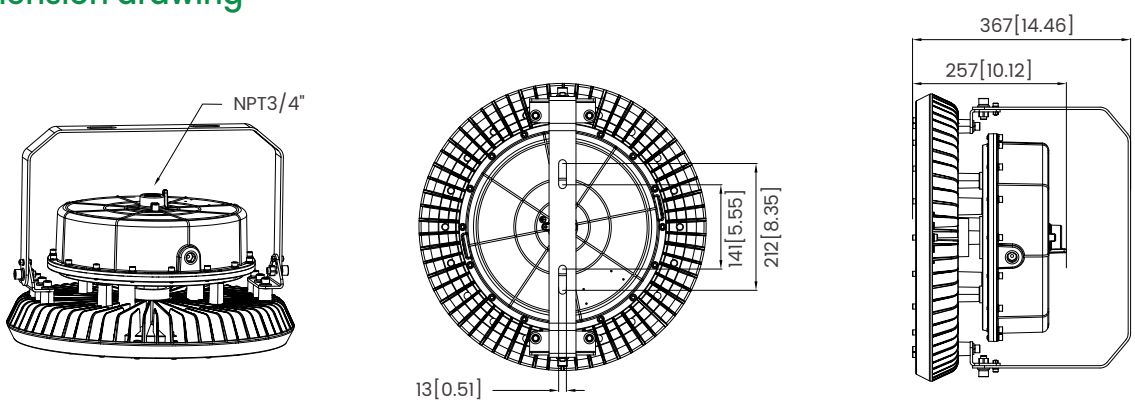
R2 Dimension drawing



R3 Dimension drawing



R4 Dimension drawing



*Measurement: mm[inch]