

HAZ-X B

HAZARDOUS LOCATION LED HIGH BAY

Type: _____

Project: _____

Delivered Lumens:
3,000 - 65,164 lm

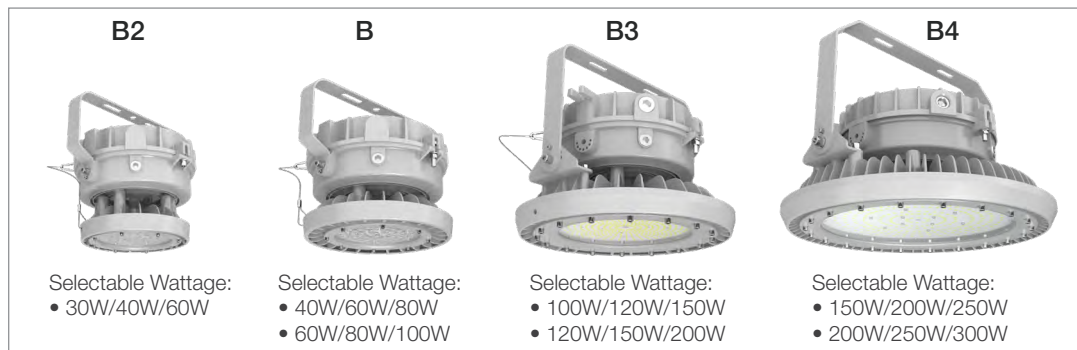
Wattage:
B2: 20W-70W
B: 20W-100W
B3: 20W-200W
B4: 150W-400W

Efficacy:
Up to 163 lm/W

Colour Temperatures:
2000K - 6500K
Selectable:
4000K/5000K/6500K

Projected Lumen Maintenance:
L₇₀ @ >100,000 hrs.

The **HAZ-X B** 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 temperatures can be expected. Featuring various shapes of driver box cover, this series is designed to meet different requirements of installations.



UL844 Hazardous Locations
Class I Division 2, Group A, B, C, D
UL1598

Class I, Zone 2, Group IIC

Configurations (Example: HZX-EX-B-20W-D-50-D120-CFP-B1-P-S-2-2-M)

1. SERIES	2. FIXTURE TYPE	3. OUTPUT	4. DIMMING	5. COLOUR TEMP.	6. DISTRIBUTION	7. LENS
HZX-EX	B2	20W/25W/30W/35W/ 40W/50W/60W/70W	D (Dimmable)	¹ 20 (2000K) ² 27 (2700K) ³ 30 (3000K) 40 (4000K) 50 (5000K) 57 (5700K) ¹ 60 (6000K) 65 (6500K)	³ D40 (40 degrees) ³ D60 (60 degrees) ³ D90 (90 degrees) ⁴ D120 (120 degrees) ⁵ T3 (90 degrees) ⁵ T5 (120 degrees)	[BLANK] (Clear flat glass) CCG (Clear convex glass) CCP (Clear convex PC) CFP (Clear flat PC) CSG (Clear spherical glass) FFG (Frosted flat glass) FCG (Frosted convex glass) FSG (Frosted spherical glass)
	B	20W/30W/40W/50W/ 60W/80W/100W				
	B3	⁶ 20W/ ⁶ 40W/ ⁶ 50W/60W/80W/ 100W/120W/150W/180W/200W				
	B4	150W/180W/200W/250W/ 300W/350W/400W				

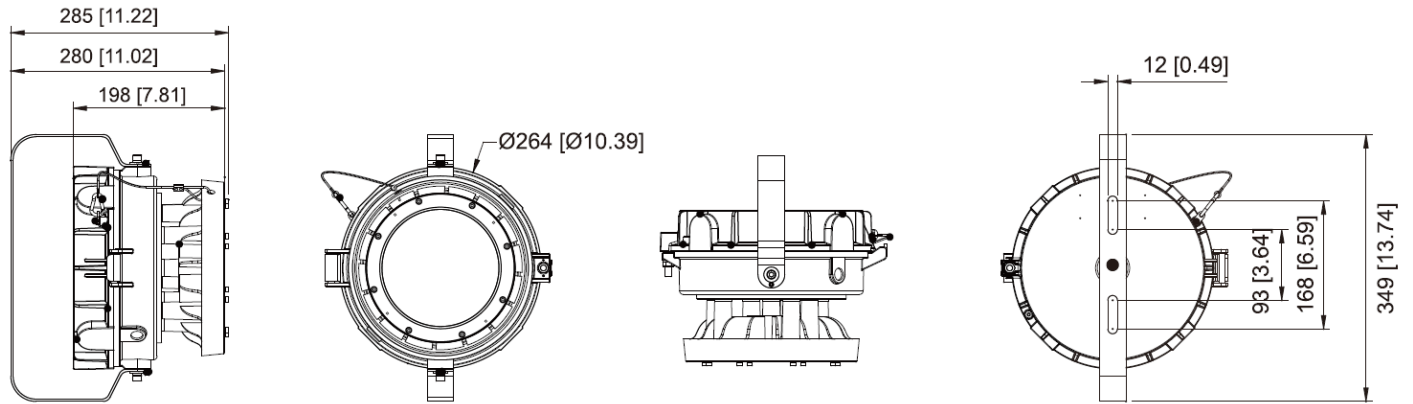
8. DRIVER HOUSING	9. LAMP ENCLOSURE HEATSINK	10. LENS COVER	11. LED TYPE
[BLANK] (Driver Housing A1) B1 (Driver Housing B1) C1 (Driver Housing C1) D1 (Driver Housing D1)	¹ [BLANK] (Lamp enclosure Heatsink P - Standard) ² P (Heatsink P - Standard)	[BLANK] (Alt. enclosure cover 1 - Normal cover) S (Lamp enclosure Cover 1 - Step cover)	⁶ 1 (5050 LED Board) 2 (2835 Single CCT LED Board) ⁷ [BLANK] (2835 Selectable LED Board)

12. INPUT VOLTAGE	13. DUAL POWER & CCT SELECTABLE	14. BACKUP POWER SOURCE
[BLANK] (120-277V) M (120-347V) H (277-480V)	[BLANK] (Not Selectable) ^{8,9} T (Power and Colour Selectable)	¹⁰ E (Emergency Backup power) [BLANK] (No Backup power source)

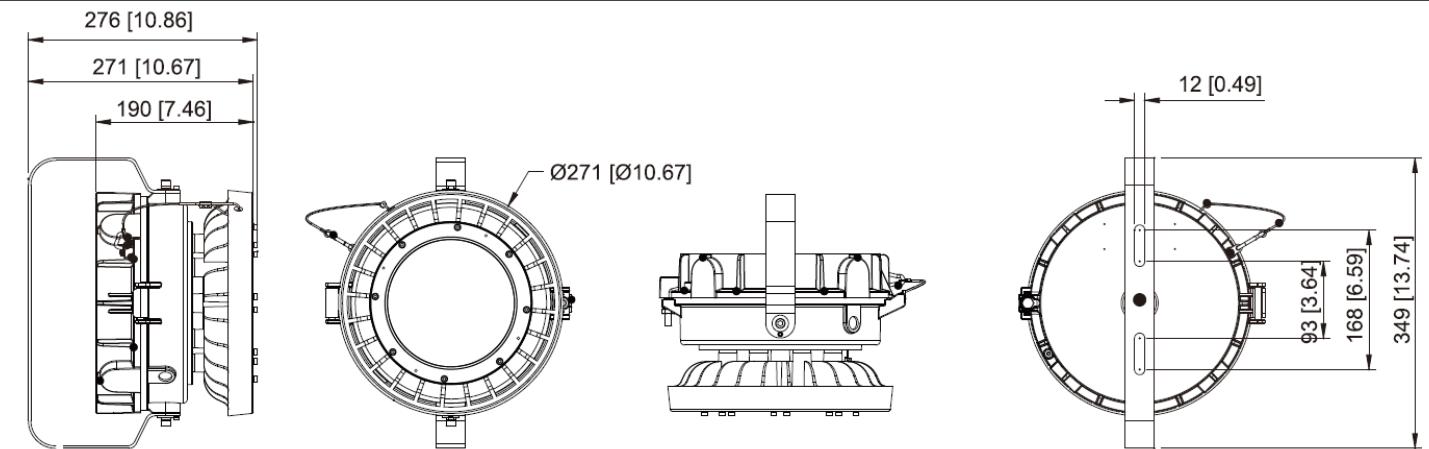
NOTE¹: Only available with B & B3; **NOTE²:** Only available with B2 & B4; **NOTE³:** Only available with 5050 LED; **NOTE⁴:** Only available with 2835 LED; **NOTE⁵:** Only available with B3; **NOTE⁶:** Not compatible with 120-347V Input; **NOTE⁷:** Must be selected with Dual Power and CCT selectable; **NOTE⁸:** Must specify Power Selectable Options: B: 40W/60W/80W or 60W/80W/100W; B2: 30W/40W/60W; B3: 100W/120W/150W or 120W/150W/20W; B4: 150W/200W/250W or 200W/250W/300W; **NOTE⁹:** Standard selectable CCT: 4000K/5000K/6500K; **NOTE¹⁰:** Wattage Compatibility - B: 80W; B2: 40W-60W; B3: 100W-150W; B4: 200W-300W.

Dimensions (unit: mm [in.])

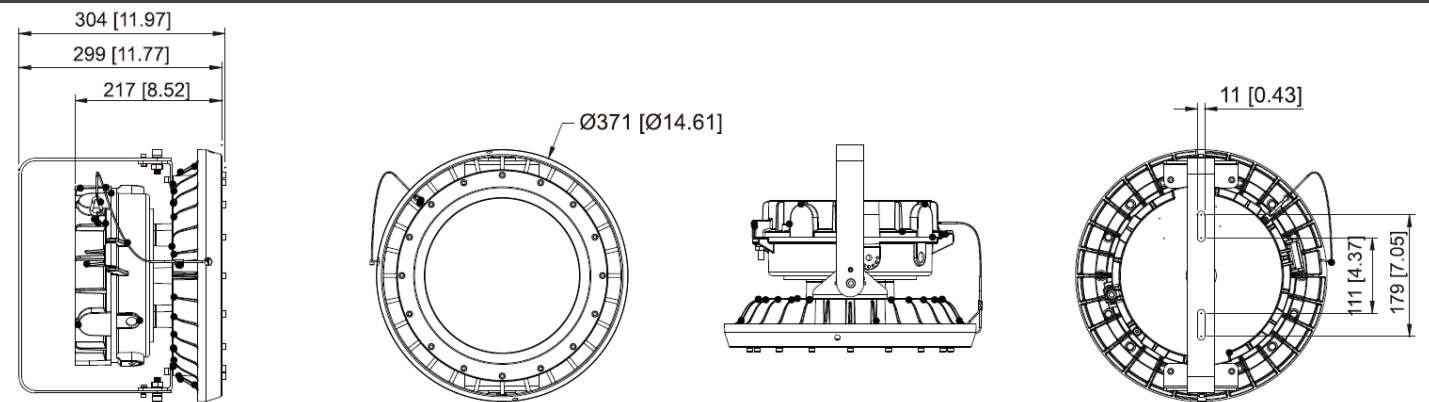
HZX-EX-B2



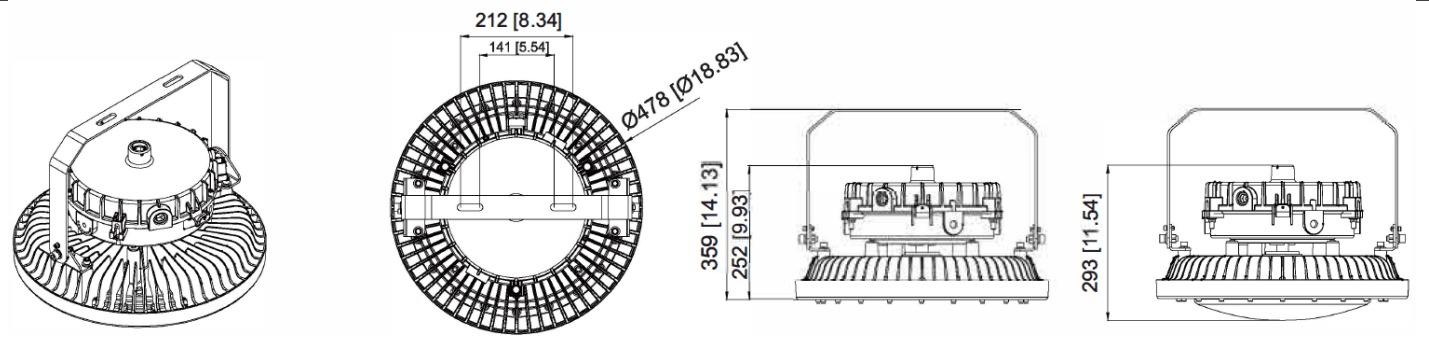
HZX-EX-B



HZX-EX-B3



HZX-EX-B4



HAZ-X B

APPLICATIONS:

- 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

HOUSING:

Rugged and resilient housing made of a die-cast aluminium material with stainless steel hardware.

OPERATING TEMPERATURE:

- B: -40°C to +40°C to +60°C; T5/T6
- B2 & B3: -40°C to +65°C; T4A/T5/T6
- B4 -40°C to +60°C; T4A/T5/T6

ELECTRICAL:

- Available in 2000K, 2700K, 3000K, 4000K, 5000K, 5700K, 6000K, or 6500K colour temperatures
- >70 CRI
- Electrical ratings: 120-277V, 277- 480V, 120-347V
- Input Frequency: 50/60Hz
- 0-10V dimming standard
- Power factor of >0.95
- Power Selectable
 - HZX-EX-B2: 30W/40W/60W
 - HZX-EX-B: 40W/60W/80W or 60W/80W/100W
 - HZX-EX-B3: 30W/40W/60W
 - HZX-EX-B4: 100W/120W/150W or 120W/150W/200W
- Colour Selectable: 4000K/5000K/6500K
- Optional Emergency backup
- Cable Entry: 3/4" NPT

LENS:

Comes standard with clear flat glass with the following lens options: clear convex glass, clear convex PC, clear flat PC, clear spherical glass, frosted flat glass, frosted convex glass or frosted spherical glass.

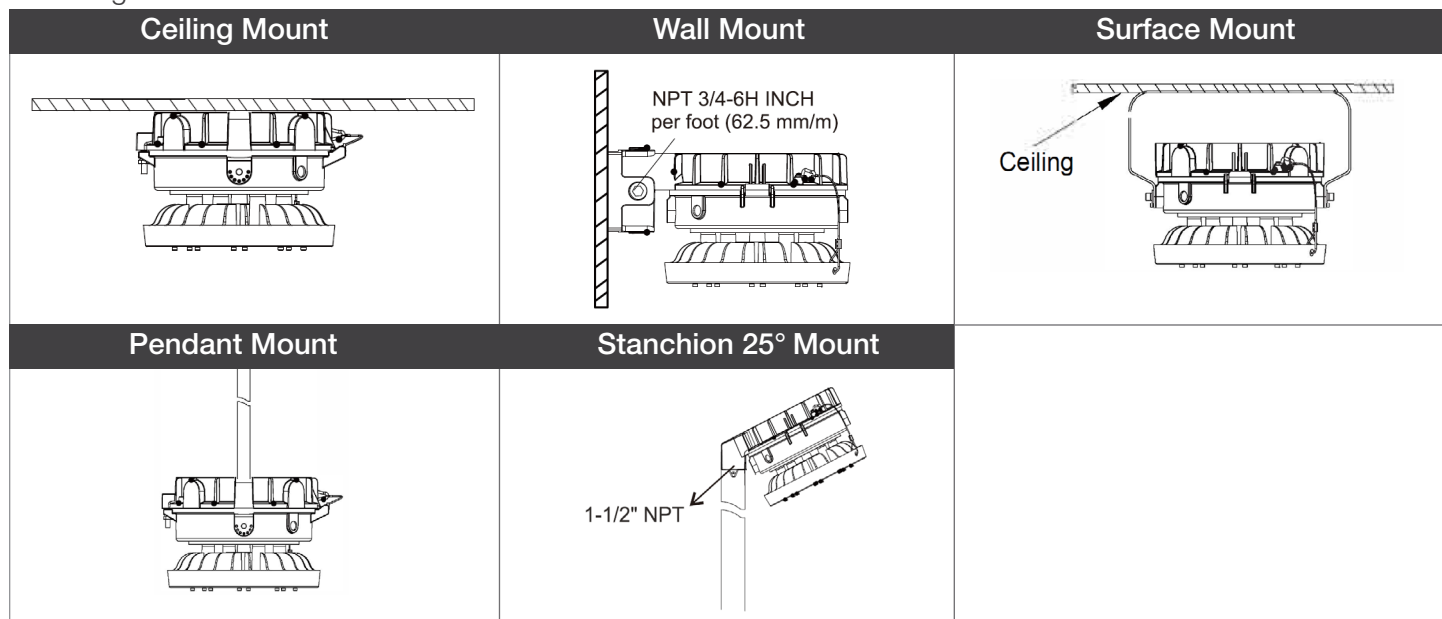
MOUNTING:

Mounting options include: Ceiling, U-bracket, stanchion 25°, pendant, 90° wall with junction box, or pole.

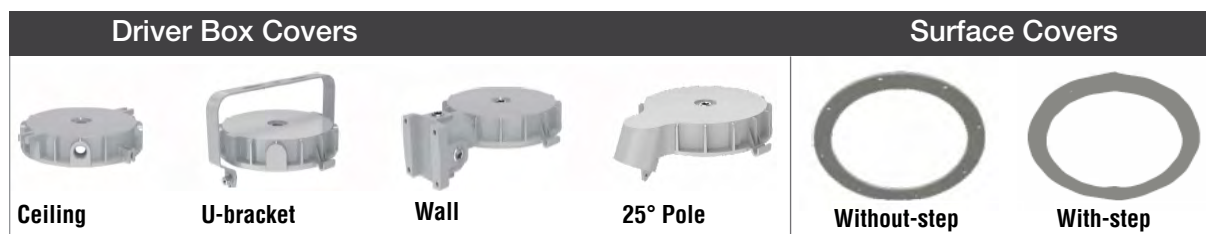
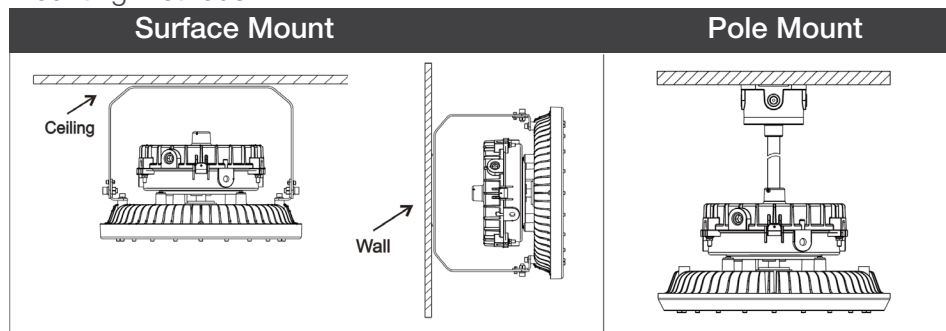
WARRANTY:

5-Year Standard Warranty.

Mounting Methods - B/B3/B2



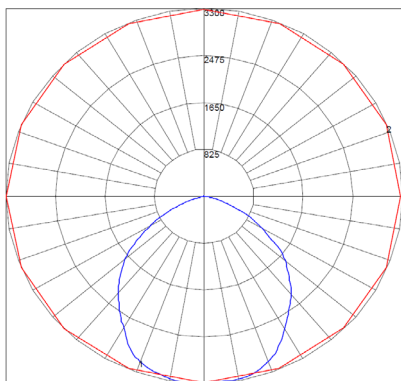
Mounting Methods - B4



HAZ-X B

HZX-EX-B2-60W-4000K-D120

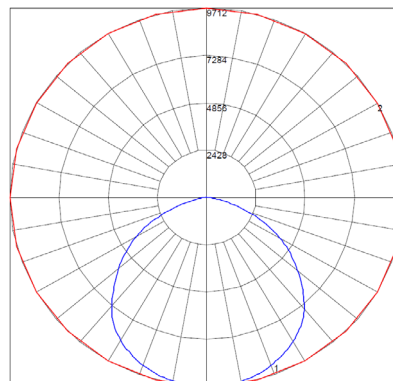
Luminous Intensity Distribution

**Zonal Lumen Summary**

ZONE	LUMENS	% LUMINAIRE
0-20	1,214	16%
0-30	2,559	33%
0-40	4,094	52%
0-60	6,869	88%
0-80	7,817	100%
0-90	7,837	100%
10-90	7,524	96%
20-40	2,880	37%
20-50	4,407	56%
40-70	3,505	45%
60-80	948	12%
70-80	218	3%
80-90	20	0%
90-110	2	0%
90-120	3	0%
90-130	5	0%
90-150	7	0%
90-180	10	0%
110-180	7	0%
0-180	7,847	100%

HZX-EX-B3-200W-5000K-D120

Luminous Intensity Distribution

**Zonal Lumen Summary**

ZONE	LUMENS	% LUMINAIRE
0-20	3,585	13%
0-30	7,684	29%
0-40	12,701	48%
0-60	22,217	83%
0-80	26,585	99%
0-90	26,738	100%
10-90	25,816	96%
20-40	9,116	34%
20-50	14,205	2%
40-70	12,592	47%
60-80	4,368	16%
70-80	1,292	5%
80-90	153	1%
90-110	4	0%
90-120	7	0%
90-130	12	0%
90-150	21	0%
90-180	29	0%
110-180	25	0%
0-180	26,767	100%

Lumen Specification Table

MODEL	WATTS (W)	BEAM ANGLE	VOLT (V)	CURRENT (A)	CCT	LUMEN OUTPUT	EFFICACY	CRI	LIFE (L70)	POWER FACTOR	THD (%)
HZX-EX-B2	20	120°	120-277V	0.22	4000K	3,023 lm	148 lm/W	>70	100,000	>0.95	≤20
	40			0.44	5000K	5,947 lm	148 lm/W				
	60			0.67	5000K	7,566 lm	132 lm/W				
HZX-EX-B	80			0.88	5000K	11,998 lm	150 lm/W				
	100			1.11	5000K	16,184 lm	163 lm/W				
	150			1.67	5000K	23,287 lm	156 lm/W				
HZX-EX-B3	200			0.89	5000K	26,767 lm	135 lm/W				
	250			2.78	5000K	37,191 lm	146 lm/W				
	300			3.34	5000K	42,778 lm	143 lm/W				
HZX-EX-B4	400			4.45	4000K	65,164 lm	158 lm/W				

Accessories

ORDER CODE	DESCRIPTION	ORDER CODE	DESCRIPTION
50002000	HAZ-X DRIVER BOX D1	50002005	HAZ-X 90° WALL MOUNT
50002001	HAZ-X DRIVER BOX C1	50002006	HAZ-X STANCHION POLE MOUNT 90°
50002002	HAZ-X EX-HOOK	50002007	HAZ-X STANCHION POLE MOUNT 25°
50002003	HAZ-X JUNCTION BOX	50002008	HAZ-X 25° WALL MOUNT WITH JUNCTION BOX
50002004	HAZ-X PENDANT MOUNT	50002009	HAZ-X 90° WALL MOUNT WITH JUNCTION BOX

HAZ-X B