

HAZ-X Q

HAZARDOUS LOCATION LED HIGH BAY

Type: _____

Project: _____

Delivered Lumens

3,000 - 36,000 lm

Wattage:
Q1: 20W - 100W

Q2: 20W - 240W

Efficacy:

Up to 160 lm/W

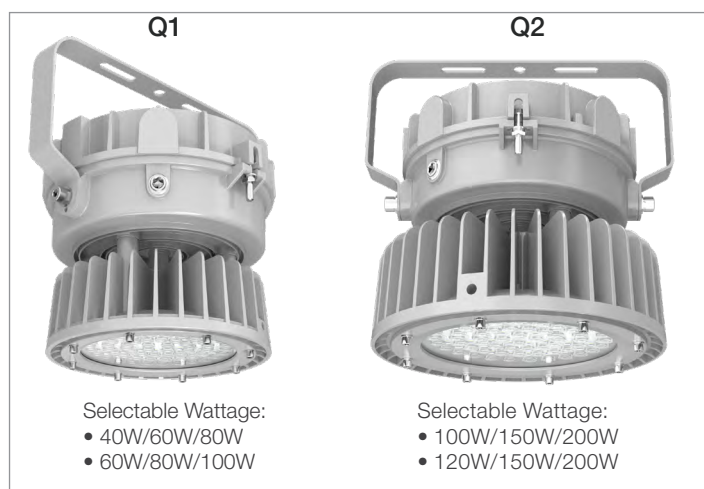
Colour Temperatures:

2000K - 7500K

Selectable:

- 4000K/5000K/6500K

Projected Lumen
Maintenance:

L₇₀ @ >100,000 hrs.


Selectable Wattage:

- 40W/60W/80W
- 60W/80W/100W

Selectable Wattage:

- 100W/150W/200W
- 120W/150W/200W

The **HAZ-X Q** 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.

UL 844 Hazardous Locations
Class I Division 2, Group A, B, C, D

Class I, Zone 2, Group IIC

Configurations (Example: HZX-EX-Q1-20W-D-50-D120-CCG-B1-S-1-M-E)

1. SERIES	2. FIXTURE TYPE	3. OUTPUT	4. DIMMING	5. COLOUR TEMPERATURE	6. DISTRIBUTION
HZX-EX	Q1	20W/30W/40W/50W/60W/80W/100W	[BLANK] (Non-dimmable) D (Dimmable)	20 (2000K) 30 (3000K) 40 (4000K) 50 (5000K) 57 (5700K) 60 (6000K) 65 (6500K) 75 (7500K)	⁷ D40 (40 degrees) ⁷ D60 (60 degrees) ⁷ D90 (90 degrees) ⁸ D120 (120 degrees) ¹ T3 (90 degrees) ¹ T5 (120 degrees)
	Q2	⁴ 20W/ ⁴ 40W/ ⁴ 50W/ ⁴ 60W/ ⁴ 80W/100W/120W/150W/180W/200W/240W			

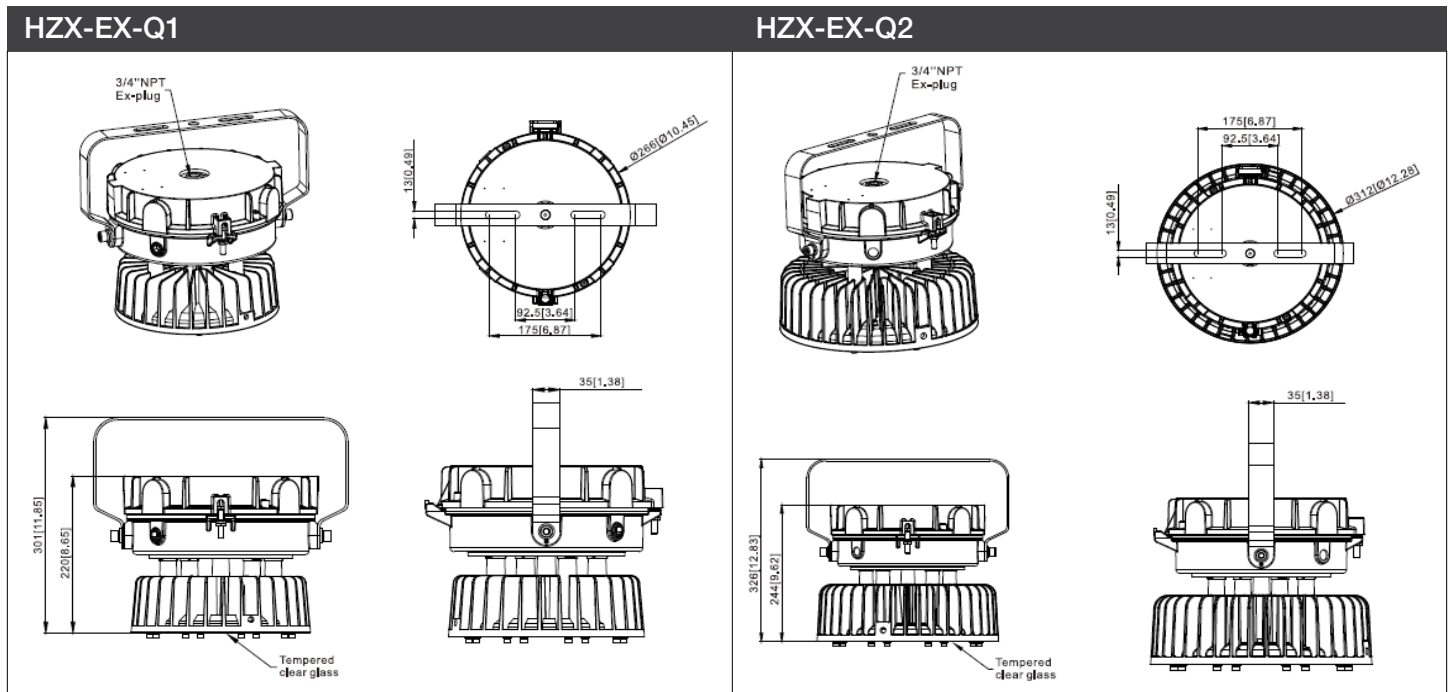
7. LENS	8. DRIVER BOX COVER	9. LAMP ENCLOSURE HEATSINK	10. LENS COVER
[BLANK] (Clear Flat Glass) CCG (Clear Convex Glass) CCP (Clear Convex PC) CFP (Clear Flat PC) CSG (Clear Spherical Glass) FFG (Frosted Flat Glass) FCG (Frosted Convex Glass) FSG (Frosted Spherical Glass)	[BLANK] (Driver Box Cover - A1) B1 (Driver Box Cover - B1) C1 (Driver Box Cover - C1) D1 (Driver Box Cover - D1)	[BLANK] (Lamp Enclosure Heatsink Q - Standard)	[BLANK] (Alt. enclosure cover 1-Normal cover) S (Lamp enclosure Cover 1 - Step cover)

11. LED TYPES	12. INPUT VOLTAGE	13. DUAL POWER & CCT SELECTABLE	14. BACKUP POWER SOURCE
⁴ 1 (5050 LED Board) ² (2835 Single CCT LED Board) ⁶ [BLANK] (2835 Selectable LED Board)	H (277-480V) M (120-347V) [BLANK] (120-277V)	[BLANK] (Not Selectable) ^{2,3} T (Power and Colour Selectable)	[BLANK] (No Backup Power) ⁵ E (Backup Power)

NOTE¹: Only available with Q1; **NOTE²:** Must specify Power Selectable Options: Q1: 40W/60W/80W or 60W/80W/100W; Q2:100W/150W/200W or 120W/150W/200W; **NOTE³:** Standard selectable CCT: 4000K/5000K/6500K; **NOTE⁴:** Not compatible with 120-347V Input; **NOTE⁵:** Wattage Compatibility - Q1: 20-80W; Q2: 20W-150W; **NOTE⁶:** Must be selected with Dual Power and CCT selectable; **NOTE⁷:** Only available with 5050 LED; **NOTE⁸:** Only available with 2835 LED.

HAZ-X Q

Dimensions (unit: mm [in.])



APPLICATIONS

- Heavy Industrials Storage Facility
- Paper Mills
- Chemical Processing Facility
- Power Plants
- Petrochemical Processing Facility
- Offshore Environments
- Wastewater Treatment Plants
- Food and Alcohol Industry

HOUSING:

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

ELECTRICAL:

- Available in 2000K, 3000K, 4000K, 5000K, 5700K, 6500K, 7500K colour temperatures
- >70 CRI
- Electrical ratings: 120-277V, 270-480V, 120-347V 50/60Hz
- Power factor of >0.95
- Power Selectable
 - HZX-EX-Q1: 40W/60W/80W or 60W/80W/100W
 - HZX-EX-Q2: 100W/150W/200W or 120W/150W/200W
- Colour Selectable: 4000K/5000K/6500K
- Optional Emergency backup
- Cable Entry: 3/4" NPT

MOUNTING:

Ceiling, Surface, Pendant, Wall, Stanchion 25°

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.

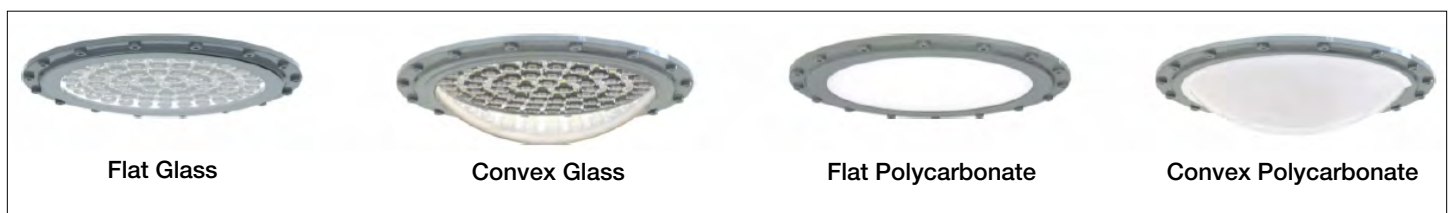
OPERATING TEMPERATURE:

- HZX-EX-Q1: -40°C to +65°C; T4/T5/T6
- HZX-EX-Q2: -40°C to +60°C; T4/T4A/T5/T6

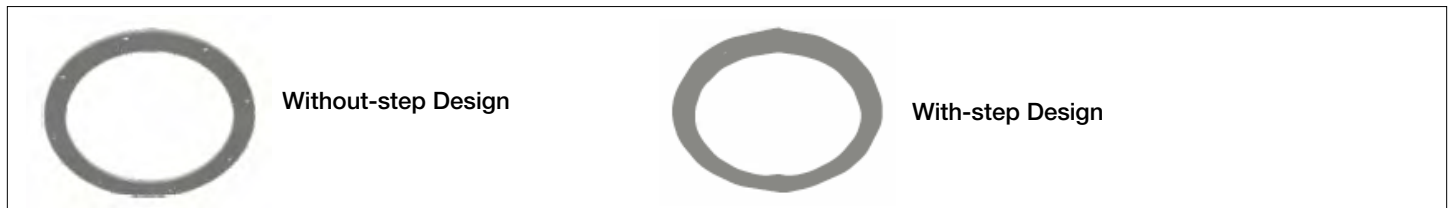
WARRANTY:

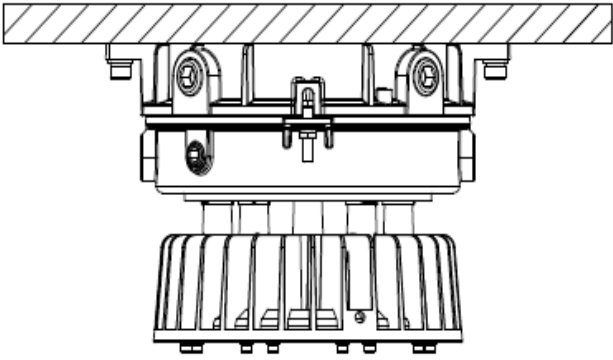
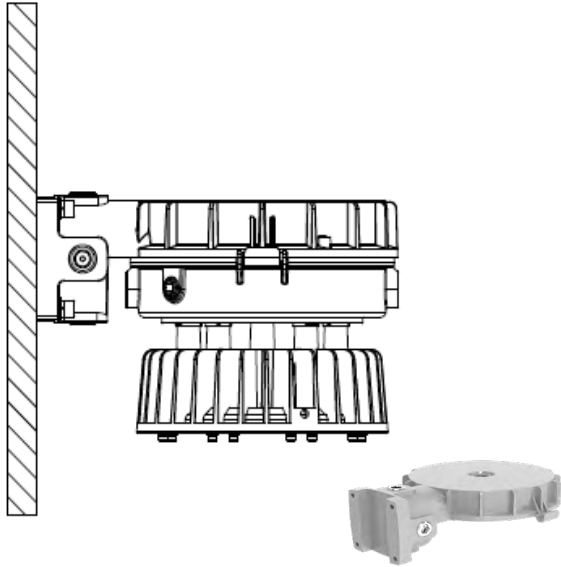
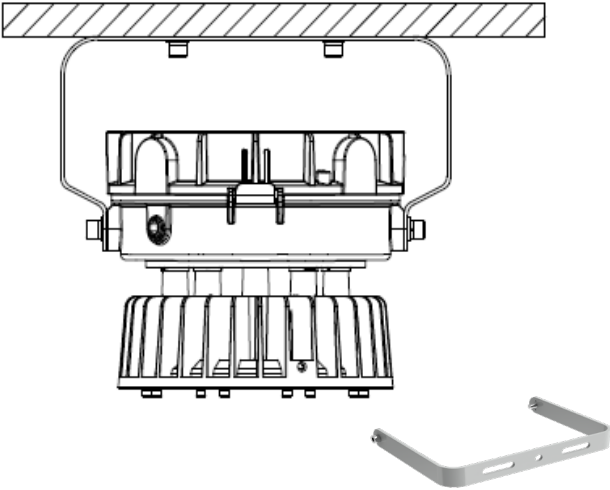
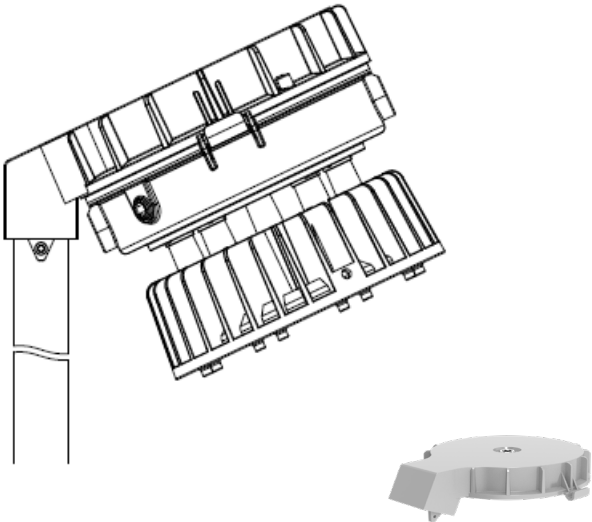
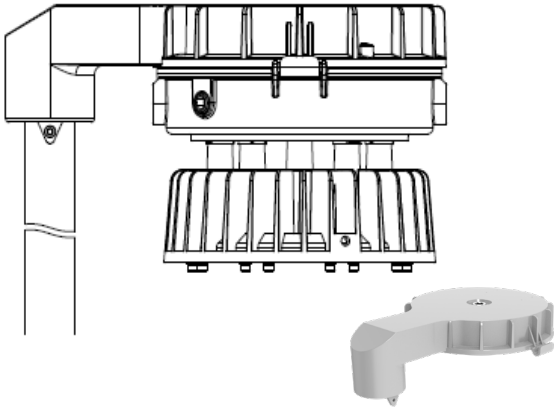
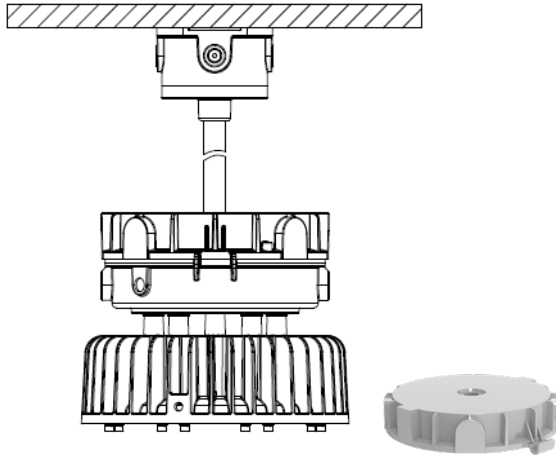
5-Year Standard Warranty.

Diffusers (Optional)

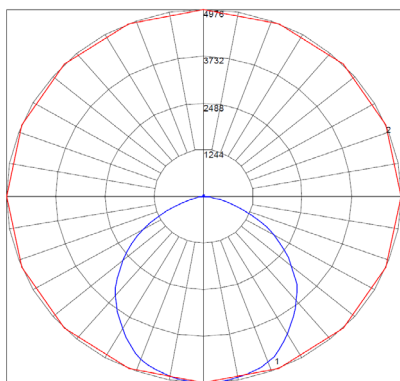


Lens Cover (Optional)



Ceiling Mount	Wall Mount
	
Surface Mount	Stanchion 25° Mount
	
Stanchion 90° Mount	Pendant Mount
	

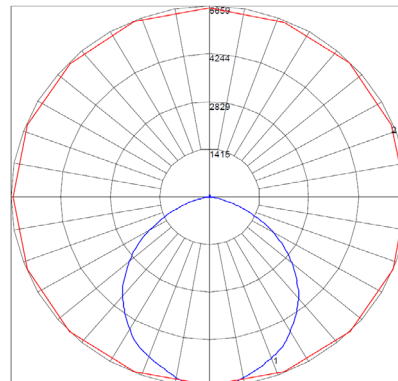
HZX-EX-Q1-80W-5000K
Luminous Intensity Distribution



Zonal Lumen Summary

ZONE	LUMENS	% LUMINAIRE
0-20	1,829	14%
0-30	3,876	30%
0-40	6,292	49%
0-60	10,848	84%
0-80	12,775	99%
0-90	12,838	99%
10-90	12,366	95%
20-40	4,463	34%
20-50	6,924	53%
40-70	5,942	46%
60-80	1,927	15%
70-80	541	4%
80-90	63	1%
90-110	21	0%
90-120	38	0%
90-130	57	0%
90-150	99	1%
90-180	131	1%
110-180	110	1%
0-180	12,969	100%

HZX-EX-Q2-100W-5000K
Luminous Intensity Distribution



Zonal Lumen Summary

ZONE	LUMENS	% LUMINAIRE
0-20	2,018	14%
0-30	4,263	30%
0-40	6,927	49%
0-60	11,891	84%
0-80	13,906	98%
0-90	13,980	99%
10-90	13,449	95%
20-40	4,909	35%
20-50	7,603	54%
40-70	6,423	46%
60-80	2,015	14%
70-80	556	4%
80-90	73	1%
90-110	28	0%
90-120	47	0%
90-130	69	1%
90-150	114	1%
90-180	149	1%
110-180	120	1%
0-180	14,128	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-Q1	20	120°	120-347V	0.22	4000K	2,332	143 lm/W	>70	100,000	>0.95	≤20
	40	40°		0.33	5000K	5,923	148 lm/W				
	60	120°		0.66	5000K	8,587	142 lm/W				
	80	120°		0.89	5000K	12,963	160 lm/W				
HZX-EX-Q2	100	120°	120-347V	1.11	5000K	14,128	141 lm/W				
	150	120°		1.67	5000K	21,494	143 lm/W				
	200	120°		2.22	5000K	27,797	139 lm/W				

Accessories

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