

HAZ-X D

HAZARDOUS LOCATION LED FLOOD LIGHT

Type: _____

Project: _____

Delivered Lumens:

2,800 - 32,569 lm

Wattage:
D4: 20W - 100W

D3: 80W - 240W

Efficacy:

Up to 162 lm/W

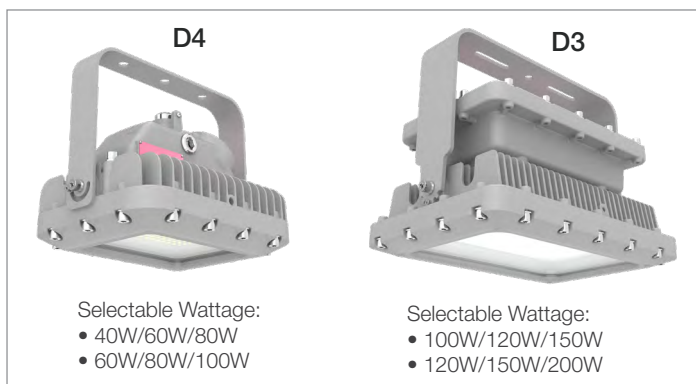
Colour Temperatures:

2000K - 7500K

Selectable:

4000K/5000K/6500K

Projected Lumen
Maintenance:

L₇₀ @ >100,000 hrs.


Selectable Wattage:

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

Selectable Wattage:

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

The **HAZ-X D** Features:

- Integrated junction box for driver
- LED board and drivers replaceable
- High-quality SMT LED and Meanwell driver
- Emergency battery backup available for D3
- Dimmable optional
- Marine rating powder coated finish for excellent corrosion resistance

UL 844 Hazardous Locations
Class I Division 1, Groups B C, D;
Class I Division 2, Groups A, B, C, D;
Class II Division 1, Groups E, F, G;
Class II Division 2, Groups F, G;
Class III

Class I, Zone 1, Group IIB +H2
Class I, Zone 2, Groups IIC
Zone 20 and 21
Zone 22

Configurations (Example: HZX-EX-D3-80W-D-50-D120-CP-2-M-E)

1. SERIES	2. FIXTURE TYPE	3. OUTPUT	4. DIMMING	5. COLOUR TEMP.	6. DISTRIBUTION	7. LENS
HZX-EX	D4	20W/25W/30W/35W/ 40W/50W/60W/70W/ 80W/100W	[BLANK] (Non-dimmable) D (Dimmable)	20 (2000K) 30 (3000K) 40 (4000K) 50 (5000K) 57 (5700K) 60 (6000K) 65 (6500K) 75 (7500K)	⁶ D30 (30 Degrees) ⁶ D40 (40 Degrees) ⁶ D60 (60 Degrees) ⁶ D90 (90 Degrees) ⁷ D120 (120 Degrees)	[BLANK] (Clear Flat Glass) FFG (Frosted Flat Glass) ⁵ CCP (Clear Convex PC) ⁵ FCP (Frosted Convex PC)
	D3	80W/90W/100W/120W/ 150W/180W/200W/ 220W/240W				

5. LED TYPE	6. INPUT VOLTAGE	7. DUAL POWER & CCT SELECTABLE	8. BACKUP POWER SOURCE (EMERGENCY LED DRIVER)
⁹ I (5050 LED) 2 (2835 Single CCT LED Board) ⁴ [BLANK](2835 Selectable LED Board)	[BLANK] (120-277V) ⁸ M (120-347V) H (277-480V)	[BLANK](Not Selectable) ^{2,3} T (Power and Colour Selectable)	[BLANK] (No Backup Power) ¹ E (With Emergency Backup)

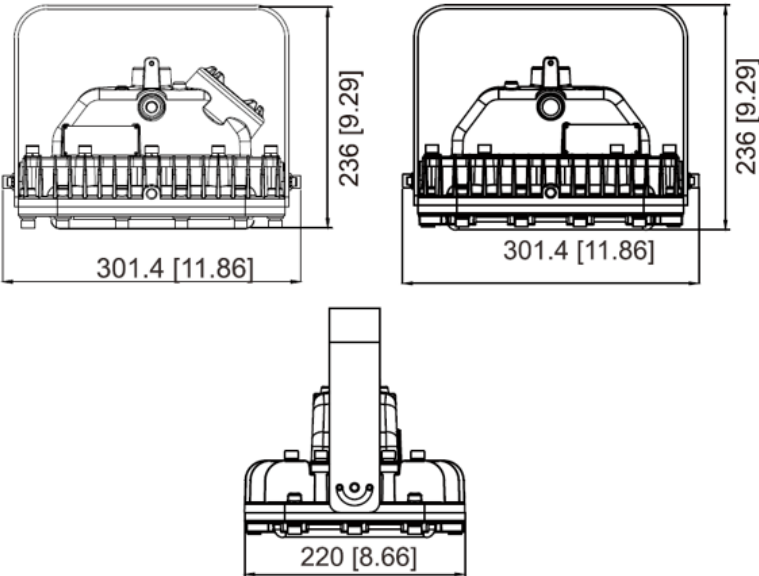
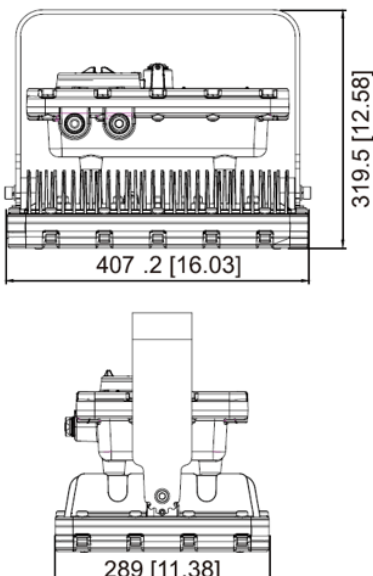
NOTE¹: Only available with D3 with wattage compatibility 60W to 200W; **NOTE²:** Must specify Power Selectable Options: D3: 100W/120W/150W or 120W/150W/200W; D4: 40W/60W/80W or 60W/80W/100W; **NOTE³:** Selectable CCT: 4000K/5000K/6500K; **NOTE⁴:** Must be selected with Dual Power and CCT selectable; **NOTE⁵:** Available with D4 only for CID2, CID1, CID2, CII; **NOTE⁶:** Only available with 5050 LED; **NOTE⁷:** Only available with 2835 LED; **NOTE⁸:** Wattage Compatibility - D3 All wattages, D4: 20W to 50W; **NOTE⁹:** Not compatible with 120-347V Input.

Accessories

ORDER CODE	DESCRIPTION
50002002	HAZ-X EX-HOOK
50002003	HAZ-X JUNCTION BOX
50002004	HAZ-X PENDANT MOUNT
50002008	HAZ-X 25° WALL MOUNT WITH JUNCTION BOX
50002009	HAZ-X 90° WALL MOUNT WITH JUNCTION BOX

HAZ-X D

Dimensions (unit: mm [in.])

HZX-EX-D4 (Flat Glass)	HZX-EX-D3
 Top view dimensions: 301.4 [11.86] (width), 236 [9.29] (height). Side view dimension: 220 [8.66] (width).	 Top view dimensions: 407.2 [16.03] (width), 319.5 [12.58] (height). Side view dimension: 289 [11.38] (width).

APPLICATIONS:

- Oil and Gas Industry
- Metal Treatment Industry
- Chemical Processing Facility
- Power Plants
- Ocean and Marine Locations
- Heavy Industrial Storage Facilities
- Wastewater Treatment Plants
- Food and Alcohol Industry

HOUSING:

Energy efficient, rugged structure and made from corrosion resistant, die-cast aluminum

LENS:

Comes standard with clear Flat Glass lens, with the following optional lens: Frosted Flat Glass, Clear Convex PC, or Frosted Convex PC.

ELECTRICAL:

- Available in 2000K, 3000K, 4000K, 5000K, 5700K, 6000K, 6500K, 7500K colour temperature
- >70 CRI
- Electrical ratings: 120-277V, 277-480V, 120-347V 50/60Hz
- Power factor of ≥ 0.95
- 0 - 10V dimming down to 1% optional.
- Power Selectable
 - HZX-EX-D4: 40W/60W/80W or 60W/80W/100W
 - HZX-EX-D3: 100W/120W/150W or 120W/150W/200W
- Colour Selectable: 4000K/5000K/6500K
- Optional Emergency backup
- Cable Entry: 3/4" NPT

OPERATING TEMPERATURE:

- D4: -40°C to +65°C; T4/T4A/T5/T6
- D3: -40°C to +60°C; T4A/T5/T6

MOUNTING:

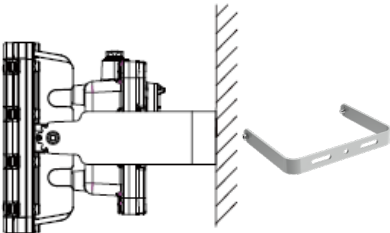
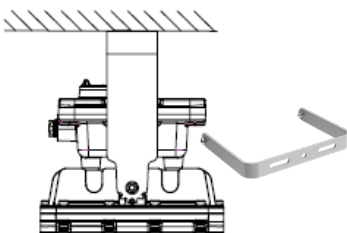
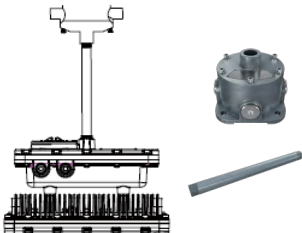
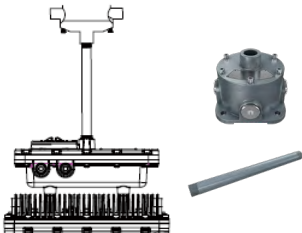
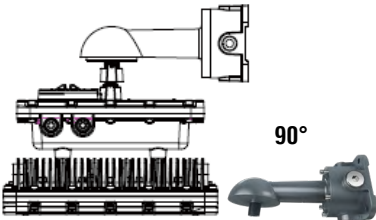
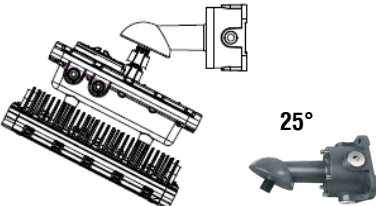
Standard mounting types are wall or ceiling mount with the U-Bracket and this series offers the following accessories (sold separately):

- Vertical Pole Mount
- 90° Wall Mount with Junction Box
- 25° Wall Mount with Junction Box

WARRANTY:

5-Year Standard Warranty.

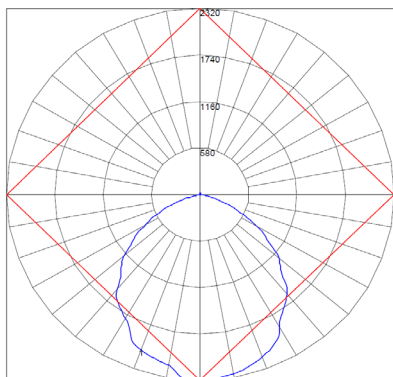
Mounting Methods

Wall Mount	Ceiling Mount	Pole Mount
		
Wall Mount with Junction Box		
 90°	 25°	

HAZ-X D

HZX-EX-D4-40W-4000K-D120

Luminous Intensity Distribution

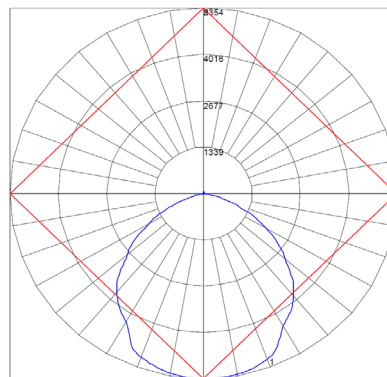


Zonal Lumen Summary

ZONE	LUMENS	% LUMINAIRE
0-20	834	16
0-30	1745	33
0-40	2794	53
0-60	4640	87
0-80	5251	99
0-90	5263	99
10-90	5045	95
20-40	1960	37
20-50	2981	51
40-70	2326	44
60-80	611	12
70-80	131	3
80-90	12	0
90-110	7	0
90-120	13	0
90-130	21	0
90-150	38	1
90-180	52	1
110-180	45	1
0-180	5315	100

HZX-EX-D3-100W-5000K-D120

Luminous Intensity Distribution



Zonal Lumen Summary

ZONE	LUMENS	% LUMINAIRE
0-20	1974	14
0-30	4150	30
0-40	6747	49
0-60	11589	85
0-80	13531	99
0-90	13576	99
10-90	13067	95
20-40	4773	35
20-50	7392	54
40-70	6273	46
60-80	1943	14
70-80	512	4
80-90	44	0
90-110	21	0
90-120	38	0
90-130	59	0
90-150	102	1
90-180	136	1
110-180	116	1
0-180	13712	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-D4	20	120°	120-277V	0.22	4000K	3131 lm	157 lm/W	>70	100,000	>0.95	≤20
	40			0.11	4000K	5315 lm	132 lm/W				
	60			0.67	5000K	8073 lm	136 lm/W				
	80			0.88	5000K	11328 lm	144 lm/W				
HZX-EX-D3	100	120°	120-277V	1.11	5000K	13712 lm	142 lm/W	>70	100,000	>0.95	≤20
	150			1.67	5000K	23074 lm	155 lm/W				
	200			0.89	5000K	32569 lm	162 lm/W				