

HAZ-X O

HAZARDOUS LOCATION LED

Type: _____

Project: _____

Delivered Lumens:

1,500 - 4,000 lm

Wattage:

15W to 40W

Efficacy:

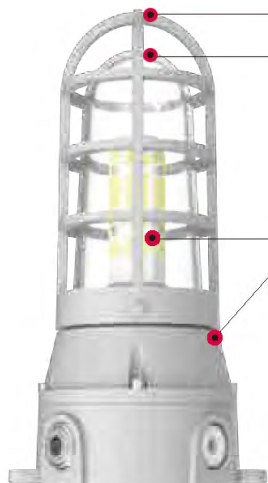
Up to 111 lm/W

Colour Temperatures:

2000K, 3000K, 4000K,
5000K, 5700K, 6500K,
Red, Green

**Projected Lumen
Maintenance:**

L₇₀ @ >100,000 hrs.



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

Class I, Zone 2, Group IIC

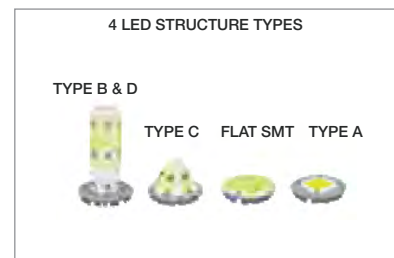
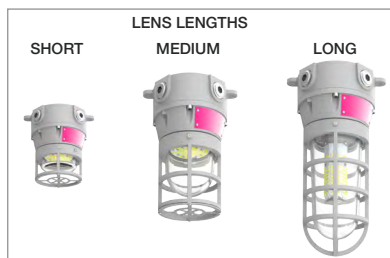
Metal guard included for additional protection

Tempered glass lens and PC lens optional.

Tempered glass lens available in different colors

Four types of LED light source structures

Compact structure, small size and light
weight design for easy installation



Configurations (Example: HZX-EX-O2-20W-D-50-D120-FLGG-A-M1-N-M)

1. SERIES	2. FIXTURE TYPE	3. OUTPUT	4. DIMMING	5. COLOUR TEMP.	6. DISTRIBUTION	7. LENS
HZX-EX	O2	15W 20W 25W 30W 35W 40W	[BLANK] (Non-dimmable) D (Dimmable)	20 (2000K) 30 (3000K) 40 (4000K) 50 (5000K) 57 (5700K) 65 (6500K) R (Red) G (Green)	D120 (120 degrees) D150 (150 degrees) D180 (180 degrees) D300 (300 degrees)	FLGG (Frosted Long Global Glass) FMGG (Frosted Medium Length Global Glass) FSFG (Frosted Short Length Flat Glass) FLGP (Frosted Long Global PC) FMGP (Frosted Medium Length Global PC) FSFP (Frosted Short Length Flat PC) CLGG (Clear Long Global Glass) CMGG (Clear Medium Length Global Glass) CSFG (Clear Short Length Flat Glass) CLGP (Clear Long Global PC) CMGP (Clear Medium Length Global PC) CSFP (Clear Short Length Flat PC)

8. HEAT SINK COVER	9. MOUNTING	10. LED TYPE	11. BATTERY BACK UP	12. INPUT VOLTAGE
A (Heat sink cover A - Standard)	M1 (Ceiling mount) M2 (Pole mount) M4 (Rotatable wall mount)	¹ [BLANK] (Flat SMT board) ² A (COB) ³ B (Long length SMT - 13S12P) ¹ C (Medium length SMT) ³ D (Long length SMT - 13S24P)	N (Without battery) ⁴ E (With battery)	M (120-347V) L (120-277V)

NOTE¹: 25W Max compatibility; NOTE²: 20W Max compatibility; NOTE³: 40W Max compatibility; NOTE⁴: Wattage compatible: 20W-40W

Accessories

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

HAZ-X O

Dimensions (unit: mm [in.])

Ceiling Mount-Long	Ceiling Mount-Medium	Ceiling Mount-Long
Pendant Mount-Long	Pendant Mount-Medium	Pendant Mount-Long

APPLICATIONS

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

HOUSING:

Rugged and resilient housing made of copper-free aluminum material.

ELECTRICAL:

- Available in 2000K, 3000K, 4000K, 5000K, 5700K, 6500K, Red or Green colour temperatures
- > 70 CRI
- Electrical ratings: 120-277V or 120-347V; 50/60 Hz
- 0-10V dimming optional
- Power factor of >0.95
- LED Types: Flat, Medium, Long SMT or COB

OPERATING TEMPERATURE:

- -40 °C to +65 °C; T3C/T4/T4A/T5/T6

LENS:

Available with 12 lens options with long, medium and short frosted or clear lenses.

MOUNTING:

Standard mounting type is ceiling mount and this series offers a pendant and rotating arms mount in accessories.

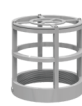
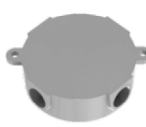
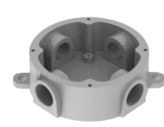
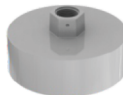
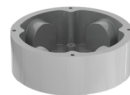
WARRANTY:

5-Year Standard Warranty.

Lumen Specification Table

MODEL	WATTS (W)	BEAM ANGLE	VOLT (V)	CURRENT (A)	CCT	LUMEN OUTPUT	EFFICACY	CRI	LIFE (L70)	POWER FACTOR	THD (%)
HZX-EX-O2	20	120°	120-347	0.06	5000K	2333 lm	111 lm/W	>70	100,000	>0.95	≤20
	30			0.24		2852 lm	98 lm/W				
	40			0.32		3168 lm	83 lm/W				

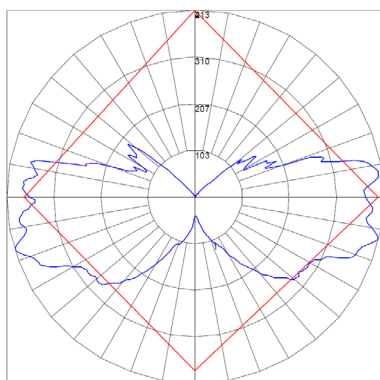
Accessories

Light Source				Heat Sink Cover		Metal Guard		
 Columnar SMT LED				 A		 Long		
 Cone SMT LED						 Medium		
 Flat SMT LED						 Short		
 COB								
Lens (Tempered Glass/PC)						Rotating Arm Mount		
 Clear Long								
 Frosted Long								
 Clear Medium								
 Frosted Medium								
 Clear Short								
 Frosted Short								
Ceiling Mount - Cap		Pendant Mount - Cap		Pendant Mount - Pole				
 Exterior		 Interior		 Exterior				
				 Interior				

PHOTOMETRIC DATA

HZX-EX-O2-30W

Luminous Intensity Distribution

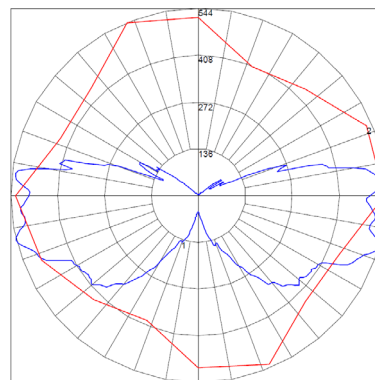


Zonal Lumen Summary

ZONE	LUMENS	% LUMINAIRE
0-20	31	1%
0-30	91	3%
0-40	215	8%
0-60	677	24%
0-80	1,423	50%
0-90	1,835	64%
10-90	1,829	64%
20-40	185	7%
20-50	388	14%
40-70	796	28%
60-80	746	26%
70-80	412	15%
80-90	411	14%
90-110	725	25%
90-120	847	30%
90-130	942	33%
90-150	1,013	36%
90-180	1,017	36%
110-180	292	10%
0-180	2,852	100%

HZX-EX-O2-40W

Luminous Intensity Distribution



Zonal Lumen Summary

ZONE	LUMENS	% LUMINAIRE
0-20	39	1%
0-30	113	4%
0-40	267	8%
0-60	824	26%
0-80	1,717	54%
0-90	2,204	70%
10-90	2,198	69%
20-40	228	7%
20-50	474	15%
40-70	959	30%
60-80	894	28%
70-80	492	16%
80-90	487	15%
90-110	764	24%
90-120	862	27%
90-130	924	29%
90-150	959	30%
90-180	963	30%
110-180	200	6%
0-180	3,168	100%

HAZ-X O

