

LEDVANCE LUMINAIRES

HIGH BAY

HAZARDOUS LOCATION

LEDVANCE LUMINAIRE SPECIFICATION DATA

Catalog #	Comments
Project	
Type	
Prepared by	

PERFORMANCE CLASS™



APPLICATION

High Bay Hazardous Location LED luminaires are exceptionally versatile and robust. They are perfect for challenging environments where durability and reliability are crucial.

BENEFITS & FEATURES

- Explosion-proof construction: designed to prevent ignition of flammable gases, vapors, or dust
- Certified for hazardous areas: complies with UL 844 standard for use in explosive environments
- Corrosion-resistant materials: built with rugged, anti-corrosive components for harsh industrial conditions; copper free aluminum housing
- Multiple mounting options: easily adapts to various installations and upgrades with minimal effort
- Impact-resistant lenses: durable lenses withstand shocks, vibrations, and demanding work environments
- 80W | 12,000 lumens, 150W | 22,500 lumens, and 200W | 30,000 lumens
- 5000K
- IP66



ELECTRICAL

- 120-277 and 277-480V_{AC}
- Power Factor >.9
- THD <20%
- Dimmable 0-10V

OPERATING TEMPERATURE

- 80W: -40°F to +131°F
(-40°C to +55°C)
- 150W and 200W:
-40°F to 122°F (-40°C to 50°C)
- 200W UNV only
-40°F to 131°F (-40°C to 55°C)
- T codes:
80W – T5 @ 55°C (UNV & HUV)
150W – T6 @ 50°C (UNV)
T5 @ 50°C (HUV)
200W – T4A @ 55°C (UNV)
T5 @ 50°C (HUV)

CERTIFICATIONS & LISTINGS

- UL844 Hazardous Locations |
CSA 22.2 No. 137
- 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
- UL 1598 Wet Location |
CSA 22.2 No 250
- IP66
- IK08 (without wire guard)

RATED LIFE

- 100,000 hours (L₇₀)

WARRANTY

- 5 year
- NLB Trusted Warranty Program

INSTALLATION

- Ceiling mount
- 25-degree stanchion
- Wall mount
- Pendant/surface mount

ORDERING GUIDE

HAZHB	P	XXX	XXX	D	8	50	GR	S25
PRODUCT NAME	CLASSIFICATION	WATTAGE	VOLTAGE	DIMMING	CRI	COLOR TEMP	FINISH	OPTIONS
HAZHB = Hazardous High Bay	P = Performance Class	080 = 80W 150 = 150W 200 = 200W	UNV = 120-277V HUV = 277-480V	D = 0-10V Dimming	8 = >80 CRI	50 = 5000K	GR = Gray	S25 = 25° stanchion WM= wall mount

ORDERING INFORMATION

ITEM #	ORDERING ABBREVIATION	WATTAGE (W)	INPUT VOLTAGE (V)	DIM (V)	CRI	CCT	FIXTURE LUMENS (LM)	DLC	LPW	FINISH	OPTIONS	PTO/ MTO
66805	HAZHB/P080UNVD850/GR/S25	80	120-277	0-10V	>80	5000K	12000	5.1 Standard	Up to 150	Gray	25° Stanchion	–
66806	HAZHB/P150UNVD850/GR/S25	150	120-277	0-10V	>80	5000K	22500	5.1 Standard	Up to 150	Gray	25° Stanchion	–
66807	HAZHB/P200UNVD850/GR/S25	200	120-277	0-10V	>80	5000K	30000	5.1 Standard	Up to 150	Gray	25° Stanchion	PTO
66808	HAZHB/P080HUV850/GR/S25	80	277-480	0-10V	>80	5000K	12000	5.1 Standard	Up to 150	Gray	25° Stanchion	PTO
66809	HAZHB/P150HUV850/GR/S25	150	277-480	0-10V	>80	5000K	22500	5.1 Standard	Up to 150	Gray	25° Stanchion	PTO
66810	HAZHB/P200HUV850/GR/S25	200	277-480	0-10V	>80	5000K	30000	5.1 Standard	Up to 150	Gray	25° Stanchion	PTO
66815	HAZHB/P080UNVD850/GR	80	120-277	0-10V	>80	5000K	12000	5.1 Standard	Up to 150	Gray	–	–
66816	HAZHB/P150UNVD850/GR	150	120-277	0-10V	>80	5000K	22500	5.1 Standard	Up to 150	Gray	–	–
66817	HAZHB/P200UNVD850/GR	200	120-277	0-10V	>80	5000K	30000	5.1 Standard	Up to 150	Gray	–	PTO
66818	HAZHB/P080HUV850/GR	80	277-480	0-10V	>80	5000K	12000	5.1 Standard	Up to 150	Gray	–	PTO
66819	HAZHB/P150HUV850/GR	150	277-480	0-10V	>80	5000K	22500	5.1 Standard	Up to 150	Gray	–	PTO
66820	HAZHB/P200HUV850/GR	200	277-480	0-10V	>80	5000K	30000	5.1 Standard	Up to 150	Gray	–	PTO

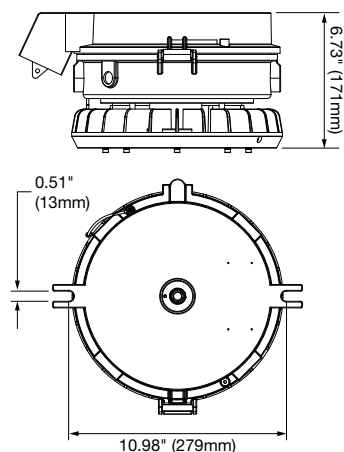
ORDERING INFORMATION (CONTINUED)

ITEM #	ORDERING ABBREVIATION	WATTAGE (W)	INPUT VOLTAGE (V)	DIM (V)	CRI	CCT	FIXTURE LUMENS (LM)	DLC	LPW	FINISH	OPTIONS	PTO/MTO
66958	HAZHB/P080UNVD850/GR/WM	80	120-277	0-10V	>80	5000K	12000	5.1 Standard	Up to 150	Gray	Wall Mount	PTO/MTO
66959	HAZHB/P150UNVD850/GR/WM	150	120-277	0-10V	>80	5000K	22500	5.1 Standard	Up to 150	Gray	Wall Mount	PTO/MTO
66960	HAZHB/P200UNVD850/GR/WM	200	120-277	0-10V	>80	5000K	30000	5.1 Standard	Up to 150	Gray	Wall Mount	PTO
66961	HAZHB/P080HUV850/GR/WM	80	277-480	0-10V	>80	5000K	12000	5.1 Standard	Up to 150	Gray	Wall Mount	PTO
66962	HAZHB/P150HUV850/GR/WM	150	277-480	0-10V	>80	5000K	22500	5.1 Standard	Up to 150	Gray	Wall Mount	PTO
66963	HAZHB/P200HUV850/GR/WM	200	277-480	0-10V	>80	5000K	30000	5.1 Standard	Up to 150	Gray	Wall Mount	PTO

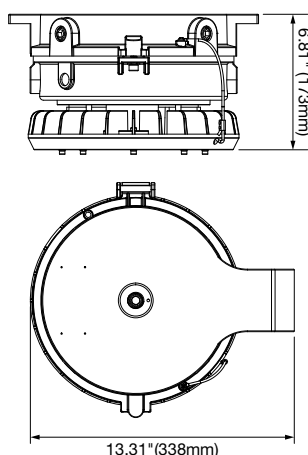
PHYSICAL INFORMATION

PRODUCT DESCRIPTION	DIAMETER IN (MM)	HEIGHT IN (MM)	WEIGHT LB (KG)	PRODUCT DESCRIPTION	DIAMETER IN (MM)	HEIGHT IN (MM)	WEIGHT LB (KG)	PRODUCT DESCRIPTION	DIAMETER IN (MM)	HEIGHT IN (MM)	WEIGHT LB (KG)
80W	10.98 (279)	6.73 (171)	13.2 (6)	80W Stanchion	13.3 (338)	6.81 (173)	13.2 lb (6)	80W Wall Mount	13.98 (355)	6.73 (171)	13.2 lb (6)
150W & 200W	14.6 (370)	7.4 (188)	19.8 (9)	150W & 200W Stanchion	14.6 (370)	7.4 (188)	19.8 lb (9)	150W & 200W Wall Mount	15.94 (405)	7.4 (188)	19.8 lb (9)

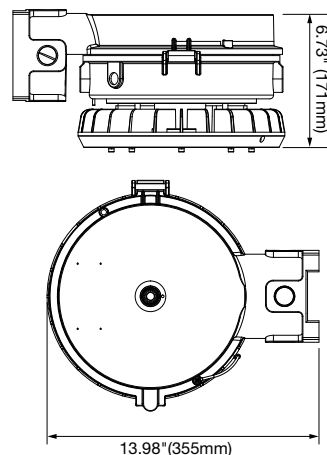
HIGH BAY 80W



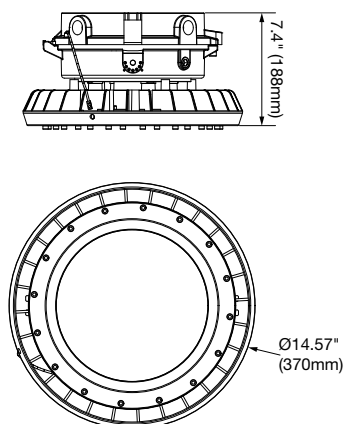
HIGH BAY 80W, 25° STANCHION MOUNT



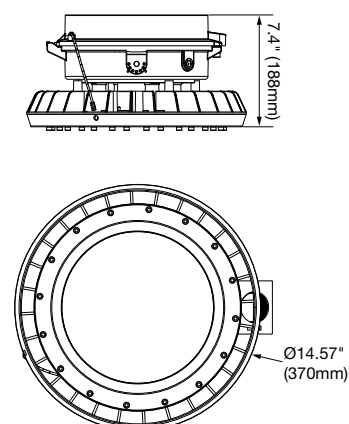
HIGH BAY 80W, WALL MOUNT



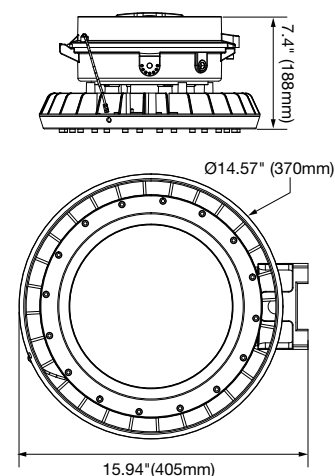
HIGH BAY 150W & 200W



HIGH BAY 150W & 200W, 25° STANCHION MOUNT



HIGH BAY 150W & 200W, WALL MOUNT



ACCESSORIES

ITEM #	ORDERING ABBREVIATION	ITEM DESCRIPTION
Brackets/Mounts		
61199	HAZHB/SMBRACKET	U bracket for 80W, gray
61200	HAZHB/LRGBRACKET	U bracket for 150W and 200W, gray
61202	HAZHB/STRIGHTPIPE	3/4" pendant, gray
61203	HAZHB/JBOX	J-Box for pendant mount application, gray
60119	HAZHB/ADAPTERAPP	Adapter for Appleton Mercmaster III, gray
67342	HAZHBWG1	Wire guard, 80W
67343	HAZHBWG2	Wire guard, 150 and 200W
Sensors		
67293	HAZSENSOR	Microwave sensor; C1D2, -25 to 60°C, 120-277V, Max power 550W, Max mounting height 12m, includes 1/2" to 3/4" adapter
67344	HAZSENSORREMOTE	Sensor remote for 67293
67345	HAZSENSOREXT	Sensor extension; 1/2", 3.5" long

61199



61200



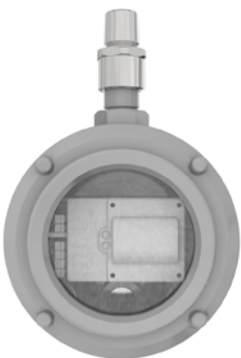
61202



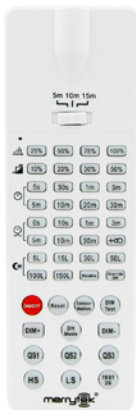
61203



67293



67344



67345



60119



WATTAGE COMPARISON

TRADITIONAL SOURCE	TRADITIONAL SYSTEM WATTAGE	LED SYSTEM WATTAGE	ENERGY SAVINGS
100 MH	120	80	33%
150 MH	170	80	53%
175 MH	210	80	62%
250W MH	290	80	72%
250W HPS	295	150	49%
250W MH	290	150	48%
320W MH	370	150	59%
400W HPS	460	150	67%
320W MH	370	200	46%
400W HPS	460	200	57%
400W MH	450	200	56%
750W MH	820	200	76%
750W HPS	840	200	76%

EATON’S CROUSE HINDS—CHAMP PRODUCTS

PENDANT	CEILING	WALL	STANCHION	QUAD MOUNT
APM2	CM2	TWM2	JM5	Q/M25
AMP3	CM3	TWM3	PM5	
HPM2				
HPM2				

LEDVANCE LED Luminaires can directly replace Eaton's Crouse-Hinds — Champ™ products shown in the chart

LEDVANCE LLC
181 Ballardvale Street, Suite 203
Wilmington, MA 01887 USA
Phone 1-800-LIGHTBULB (1-800-544-4828)
www.ledvanceUS.com

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