

# LED HAZARDOUS LOCATION ROUND LUMINAIRES (MHR01)

## DESCRIPTION

At 150 lumens per watt with 3 different beam patterns, the HR Series brings design, excellence, and durability to harsh and hazardous rated lighting. Various installation ways for different applications. Explosion proof, the HR is suitable where flammable gases, vapors and combustible dusts are present. Applications include oil and gas rigs, petrochemical plants, paint spray booths, and other hazardous location.



## SPECIFICATION FEATURES

### Construction

- Robust cast aluminum housing with low copper content with stands harsh or hostile environments.
- Precise number of fins dissipate maximum amount of heat.
- Rugged construction ensures long-life and safe operation.
- Resistant to shock and vibration.

### Optics

- Three distributions available to maximize versatility: 60°, 90°, 120°.
- Scalable Lumen Packages from 10,000 to 30,000 Lumens.
- Lenses made of pc will not discolor or shatter, chip or break.
- Highly engineered LED system ensures superior uniformity and maximizes spacing.
- Optics is precisely designed to shape the distribution, maximizing efficiency and application spacing.

### LED Module

- Single CCT 3000K, 4000K, 5000K, 5700K are available for standard version.

### Electrical

- Universal 120-277 VAC or 347-480 VAC input voltage.
- 0-10V/PWM/Rx 3-in-1 Dimming
- Both drivers have a power factor >90%, THD <20%.
- Operating Temperature Range: -40°C - + 65°C
- Built in standard surge protection with 6KV, with optional separate surge protection: 20KV (120-277V), and 40KV (347-480V).

### Installation

- Wall mount (option)
- Trunion mount (default)
- Pendant mount (option)
- Round pole mount (option)
- Ceiling mount (option)

### Lifespan

- Estimated 50,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

### Finish

- It's available in black or optional gray, silver gray or white.

### Warranty

- Five-year limited warranty.

### Certifications

- UL Listed to US and Canadian Standards.
- Suitable for use in hazardous locations.

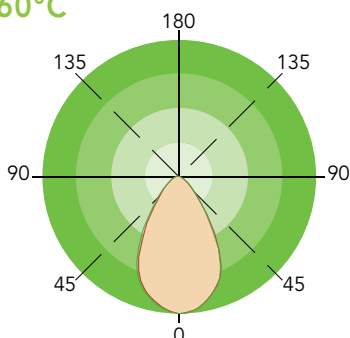
### Note

- Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25°C(±5°C) specifications subject to change without notice.

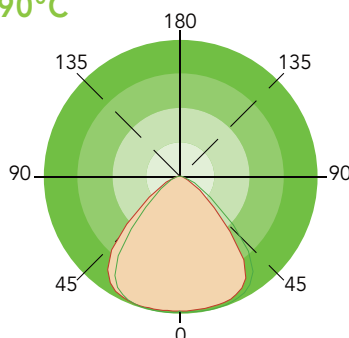
## PHOTOMETRICS

Various optics is designed for a specific purpose and covering all your application needs.

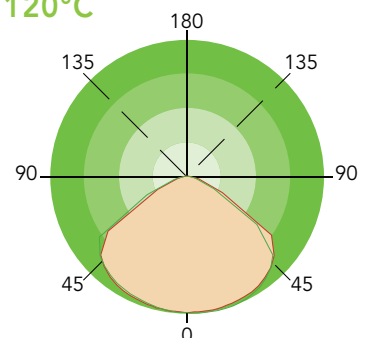
60°C



90°C



120°C

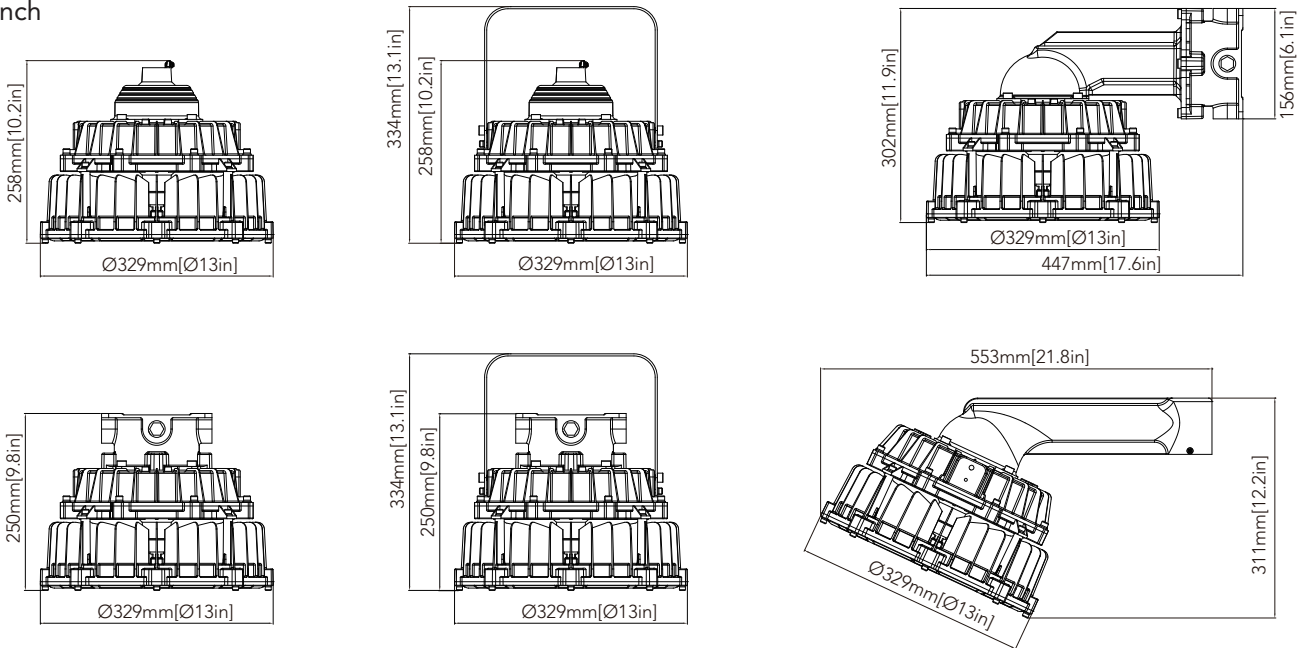


# PERFORMANCE DATA

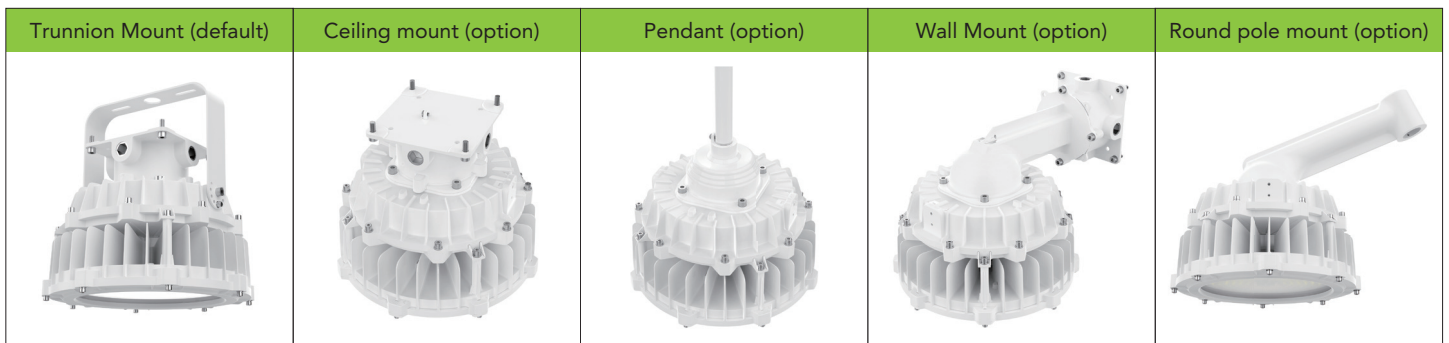
SYSTEM WATTS	VOLTAGE	CRI	LUMENS (3000K)	LPW (3000K)	LUMENS (4000K)	LPW (4000K)	LUMENS (5000K)	LPW (5000K)
60W	120-277V / 347-480V	70	10000lm	166lm/W	10500lm	175lm/W	10500lm	175lm/W
70W	120-277V / 347-480V	70	11000lm	157lm/W	11500lm	164lm/W	11500lm	164lm/W
80W	120-277V / 347-480V	70	12000lm	150lm/W	12500lm	156lm/W	12500lm	156lm/W
90W	120-277V / 347-480V	70	13500lm	150m/W	14000lm	155lm/W	14000lm	155lm/W
100W	120-277V / 347-480V	70	15000lm	150lm/W	15400lm	154lm/W	15500lm	154lm/W
120W	120-277V / 347-480V	70	19000lm	158lm/W	20000lm	167lm/W	20000lm	167lm/W
140W	120-277V / 347-480V	70	21000lm	150m/W	23000lm	164lm/W	23000lm	164lm/W
160W	120-277V / 347-480V	70	24000lm	150lm/W	25500lm	159lm/W	25500lm	159lm/W
180W	120-277V / 347-480V	70	28000lm	150m/W	28500lm	158lm/W	28500lm	158lm/W
200W	120-277V / 347-480V	70	30000lm	150lm/W	31500lm	157lm/W	31500lm	157lm/W

# DIMENSION

unit: mm/inch



# MOUNTING



# ORDERING GUIDE

Example: MHR01200W27VXXKYYYY

Fixture Type <input type="text"/>	Wattage <input type="text"/>	Input Voltage <input type="text"/>	CCT <input type="text"/>	Finish <input type="text"/>	Mounting (Option) <input type="text"/>	Beam Angle <input type="text"/>	Internal Code <input type="text"/>
MHR01 Hazardous Light series	60W 70W 80W 90W 100W 120W 140W 160W 180W 200W	27V 120-277V 48V 347-480V	30K 3000K 40K 4000K 50K 5000K 57K 5700K	B Black W White G Gray SG Silver Gray	WM Wall mount TR Trunnion PE Pendant mount PM Round pole mount CM Ceiling mount	60 60 Degree 90 90 Degree 120 120 Degree	Blank Alphanumeric