

## DESCRIPTION

At 150 lumens per watt with 3 different beam patterns, the **HyperLume** Series brings design, excellence, and durability to harsh and hazardous rated lighting. Various installation ways for different applications.

Explosion proof, the **HyperLume** 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 suppression with 6KV, optional 10KV (120-277V), and 20KV (347- 480V).

### Installation

- Trunnion mount (default)
- Wall mount (option)
- 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 844:  
Electric lighting fixtures for use in hazardous (classified) locations.
- UL 1598:  
Electric lighting fixtures for use in non-hazardous locations.

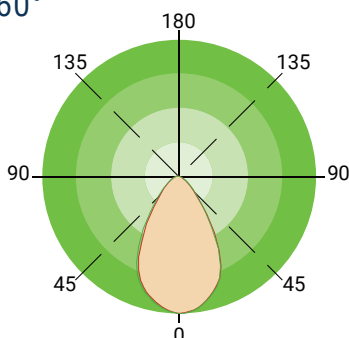
### Note

- 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.

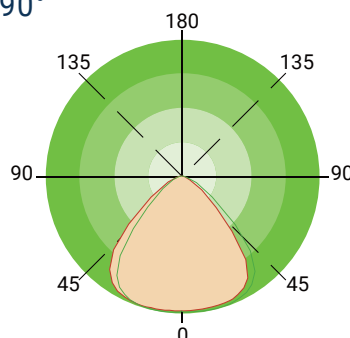
## PHOTOMETRICS

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

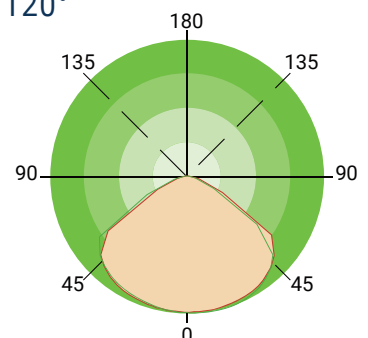
60°



90°



120°

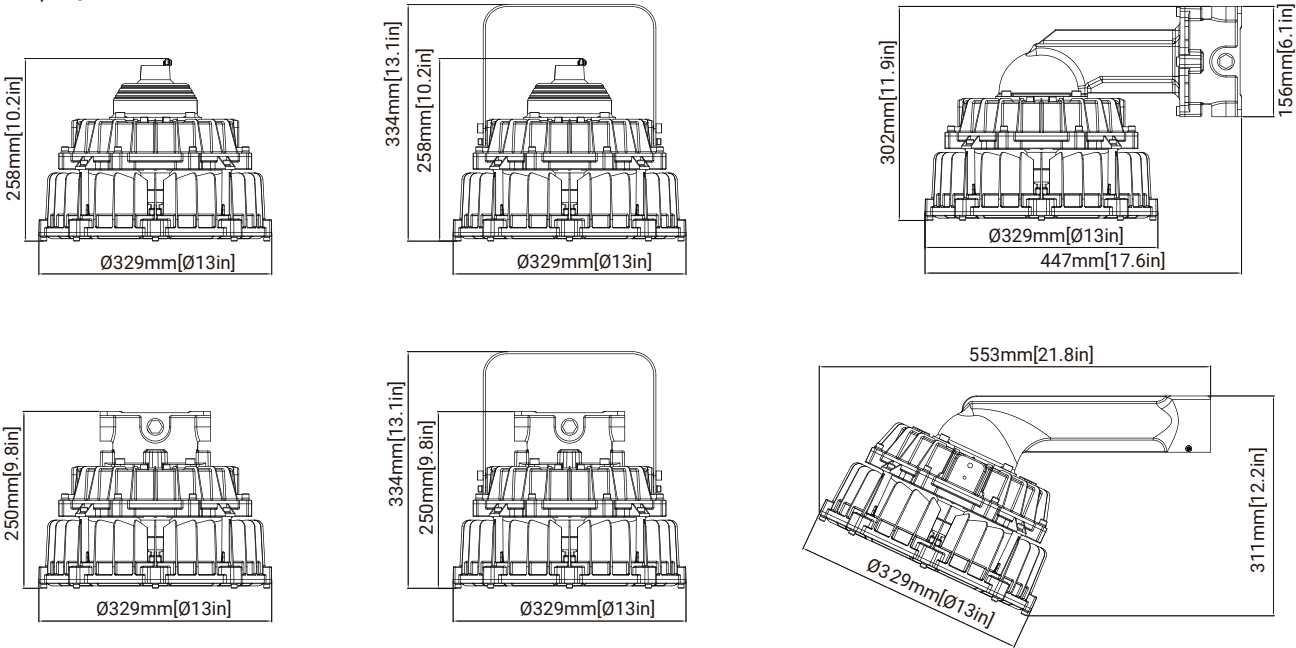


PERFORMANCE DATA

| SYSTEM WATTS | VOLTAGE              | CRI | LUMENS (3000K) | LPW (3000K) | LUMENS (4000K) | LPW (4000K) | LUMENS (5000K) | LPW (5000K) |
|--------------|----------------------|-----|----------------|-------------|----------------|-------------|----------------|-------------|
| 60W          | 120-277V<br>347-480V | 70  | 10000lm        | 167lm/W     | 10500lm        | 175lm/W     | 10500lm        | 175lm/W     |
| 70W          | 120-277V<br>347-480V | 70  | 11000lm        | 157lm/W     | 11500lm        | 164lm/W     | 11500lm        | 164lm/W     |
| 80W          | 120-277V<br>347-480V | 70  | 12000lm        | 150lm/W     | 12500lm        | 156lm/W     | 12500lm        | 156lm/W     |
| 90W          | 120-277V<br>347-480V | 70  | 13500lm        | 150m/W      | 14000lm        | 156lm/W     | 14000lm        | 156lm/W     |
| 100W         | 120-277V<br>347-480V | 70  | 15000lm        | 150lm/W     | 15500lm        | 155lm/W     | 15500lm        | 155lm/W     |
| 120W         | 120-277V<br>347-480V | 70  | 19000lm        | 158lm/W     | 20500lm        | 171lm/W     | 20500lm        | 171lm/W     |
| 140W         | 120-277V<br>347-480V | 70  | 22000lm        | 157m/W      | 23500lm        | 168lm/W     | 23500lm        | 168lm/W     |
| 160W         | 120-277V<br>347-480V | 70  | 25000lm        | 156lm/W     | 26000lm        | 163lm/W     | 26000lm        | 163lm/W     |
| 180W         | 120-277V<br>347-480V | 70  | 28000lm        | 156m/W      | 29000lm        | 161lm/W     | 29000lm        | 161lm/W     |
| 200W         | 120-277V<br>347-480V | 70  | 30500lm        | 153lm/W     | 31500lm        | 158lm/W     | 31500lm        | 158lm/W     |

DIMENSION

unit: mm/inch



MOUNTING

| Trunnion Mount (default) | Ceiling mount (option) | Pendant (option) | Wall Mount (option) | Round pole mount (option) |
|--------------------------|------------------------|------------------|---------------------|---------------------------|
|                          |                        |                  |                     |                           |

# HAZARDOUS LOCATION FOR DEMANDING ENVIRONMENTS

| NEC Protections                   |                   |                 |                              |                |                                                                                                                                                                                                                                                                  |
|-----------------------------------|-------------------|-----------------|------------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hazard Category                   | Regional Category | Classifications | Representative Gases         | Division Group | Applications                                                                                                                                                                                                                                                     |
| Class I (Flammable gases, vapors) | Division 2        | Gas category    | acetylene                    | A              | Hazardous locations with flammable gases or vapors<br>- Oil and Gas Industry<br>- All oil production and refining<br>- Oil loading and transportation<br>- Oil storage and retailing<br>- Liquefied natural gas industry<br>- All mining operations and services |
|                                   |                   |                 | hydrogen                     | B              |                                                                                                                                                                                                                                                                  |
|                                   |                   |                 | vinyl                        | C              |                                                                                                                                                                                                                                                                  |
|                                   |                   |                 | methane                      | D              |                                                                                                                                                                                                                                                                  |
| Class II (flammable dust)         | Division 1        | Dust category   | metal dust                   | E              | Hazardous locations with flammable dust<br>Highly dusty industries<br>-Flour and fine particle production and storage<br>- Metal smelting, casting and fabrication<br>-Coal gathering industry<br>-Construction                                                  |
|                                   |                   |                 | coal dust                    | F              |                                                                                                                                                                                                                                                                  |
|                                   | Division 2        |                 | Grain dust                   | G              |                                                                                                                                                                                                                                                                  |
| Class III (flammable fiber)       | Division 1        | /               | Man-made fibers, lint fibers | /              | Hazardous locations with flammable fibers<br>Textile industry<br>- Garment factories<br>-Garment industry                                                                                                                                                        |
|                                   | Division 2        |                 |                              |                |                                                                                                                                                                                                                                                                  |

Notes: 1. Flammable concentrations may exist for long periods of time or under normal operating conditions division.  
2. Flammable concentrations may not exist under normal operating conditions.

| ORDERING GUIDE                     |             |               |             |                |               | Example: HL 200W 27V XXK Y Y Y Y |                  |                    |             |
|------------------------------------|-------------|---------------|-------------|----------------|---------------|----------------------------------|------------------|--------------------|-------------|
| Fixture Type                       | Wattage     | Input Voltage | CCT         | Finish         | Beam Angle    | Mounting (Option)                |                  | Internal Code      |             |
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| HL Hazardous Location Light series | 60W         | 27V 120-277V  | 30K 3000K   | B Black        | 60 60 Degree  | WM                               | Wall mount       | Blank Alphanumeric |             |
|                                    | 70W         | 48V 347-480V  | 40K 4000K   | W White        | ML 90 Degree  | TR                               | Trunnion         |                    |             |
|                                    | 80W         |               | 50K 5000K   | G Gray         | WL 120 Degree | PE                               | Pendant mount    |                    |             |
|                                    | 90W         |               | 57K 5700K   | SG Silver Gray |               | PM                               | Round pole mount |                    |             |
|                                    | 100W        |               |             |                |               | CM                               | Ceiling mount    |                    |             |
|                                    | 120W        |               |             |                |               |                                  |                  |                    |             |
|                                    | 140W        |               |             |                |               |                                  |                  |                    |             |
|                                    | 160W        |               |             |                |               |                                  |                  |                    |             |
|                                    | 180W        |               |             |                |               |                                  |                  |                    |             |
|                                    | 200W        |               |             |                |               |                                  |                  |                    |             |