# HLQS-V

Hazardous Location LED Luminaire, Q Series, 20 W to 200 W, IP66

## Hazardous Location LED Luminaire



Q1



Q2

The Q1/Q2 Series LED luminaire is the ideal choice for hazardous applications. It can be used in locations where moisture, dirt, dust, corrosion and vibration may be present, or areas where wind, water, snow or high ambient can be expected. Featuring various shapes of driver box cover, this series is designed to meet different requirements of installations.

## Features

- Compact and rugged structure, easy for installation
- Four kinds of driver cover available, designed for different installation requirements
- Emergency function is optional
- Shock and vibration resistance with IK08 / IK10 certified and 3G vibration test
- Aluminum housing, great corrosion resistance and cooling performance
- Wire guard is optional

## Application

- Power Plants
- Heavy industrials storage facility
- Paper mills
- Wastewater Treatment Plants
- Loading docks platforms
- Offshore environments
- Chemical processing facility
- Petrochemical processing facility
- Metallurgical industry
- Coal mine
- Food and alcohol industry

## Compliance

- UL 844 Hazardous Locations
- 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 2, Group IIA, IIB, IIC
- Zone 21 or 22
- UL 1598 Wet Locations
- UL 1598A Marine Outside Type
- UL 1598C
- ABS
- IP66
- IK08 (without wire guard)
- IK10 (with wire guard)
- 1.5G vibration

## Electrical

| Model | Q1 | Q2 |
|---|---|---|
| **Rated power** | 20 / 30 / 40 / 50 / 60 / 80 / 100W | 20 / 40 / 50 / 60 / 80 / 100 / 120 / 150 / 180 / 200W |
| **Input voltage, normal** | 100-277VAC / 200-480VAC | |
| **Input voltage, emergency** | 120-277VAC | |
| **Frequency / power factor** | 50/60Hz / > 0.95 | |

## Optical

| Model | Q1 | Q2 |
|---|---|---|
| **Lumen output** | 2600-13000lm | 2600-23400lm @ max 180W; 24000lm @ 200W |
| **Lumens per watt** | 130lm/W | 130lm/W @ max 180W; 120lm/W @ 200W |
| **CCT / CRI** | 3000K / 4000K / 5000K / 5700K / 6500K / > 70 | |
| **Beam angle** | 40° / 60° / 90° / 120° | |
| **Dimming** | 0-10V dimming optional | |

## Environmental and Mechanical

| | |
|---|---|
| **Ambient temperature** | -40°C to +40°C; -40°C to +50°C; -40°C to +65°C |
| **Housing / hardware** | Copper-free aluminum / Stainless steel |
| **Diffuser (optional)** | Flat glass / Flat polycarbonate / Convex glass / Convex polycarbonate |
| **Protection** | IP66 (IK08 without wire guard; IK10 with wire guard) / 1.5G vibration |
| **Mounting** | Ceiling, surface, pendant, wall, stanchion 25° |
| **Cable entries** | 3/4" NPT (standard); 1/2" NPT, M20 or M25 (optional, with adapter; indicate when ordering) |
| **Warranty** | 5-year standard warranty |

## HLQS-V

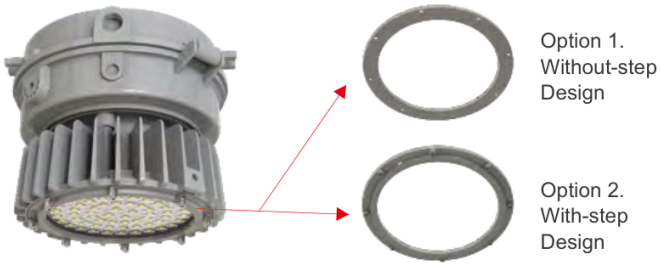
Hazardous Location LED Luminaire, Q Series, 20 W to 200 W, IP66

## Diffuser and Surface Cover Options

**Four diffusers (optional)**




**Two surface covers (optional; both options available for Q1/Q2)**



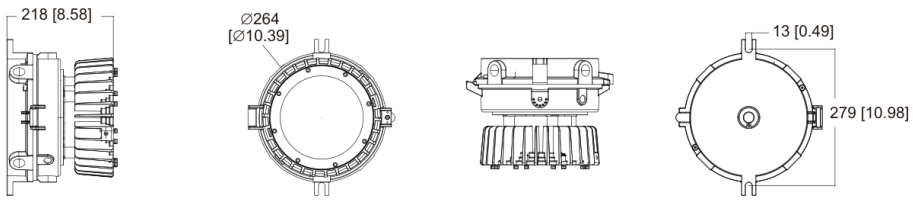

**Note**: For Q1/Q2, both option 1 and option 2 are available.

## Driver Box Cover and Mounting Kit




## Dimensions, mm [inch]

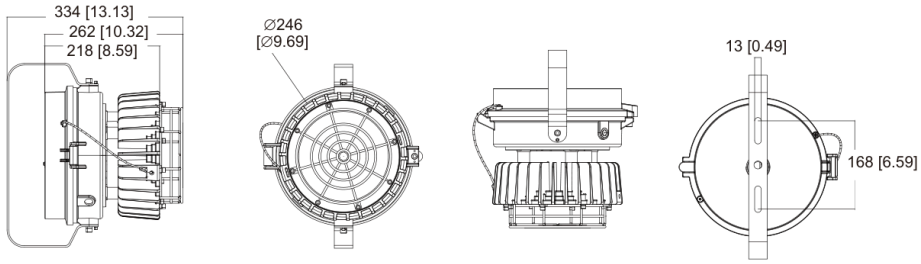
Q1 with driver cover A and flat diffuser



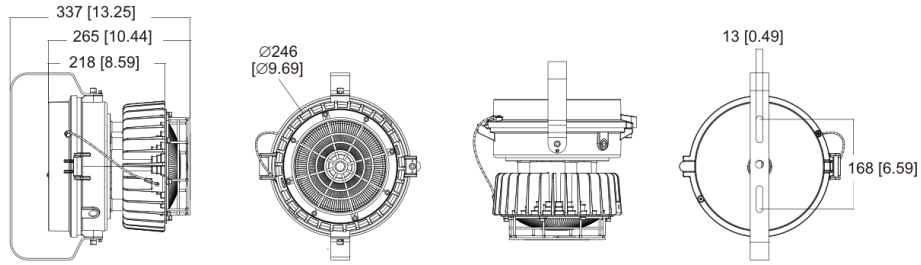
## HLQS-V

Hazardous Location LED Luminaire, Q Series, 20 W to 200 W, IP66

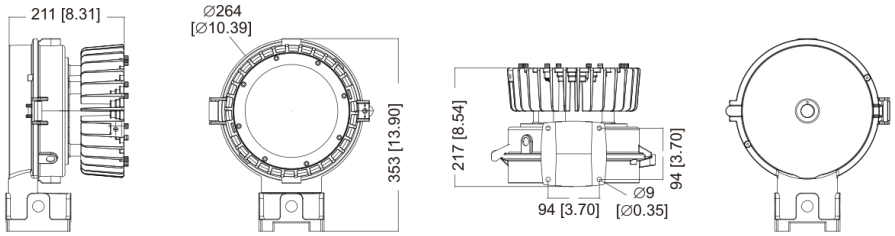
Q1 with driver cover B, wire guard, and flat diffuser



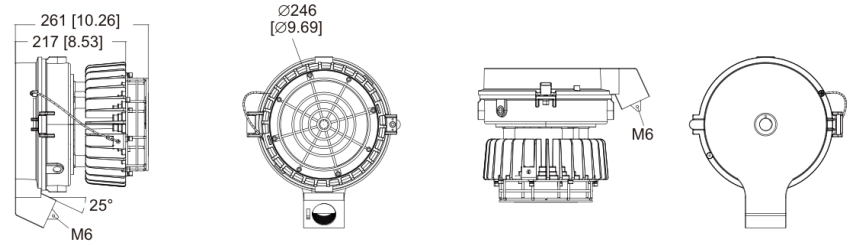

Q1 with driver cover B, wire guard, and convex diffuser (glass or PC)



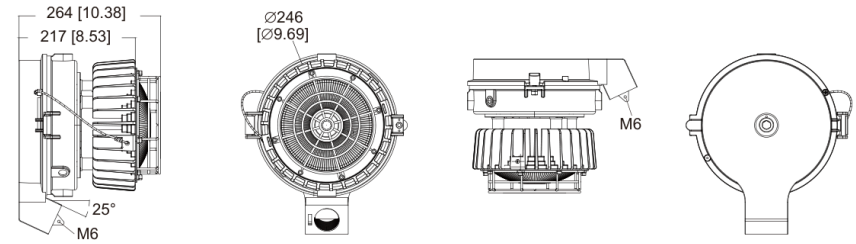

Q1 with driver cover C and flat diffuser



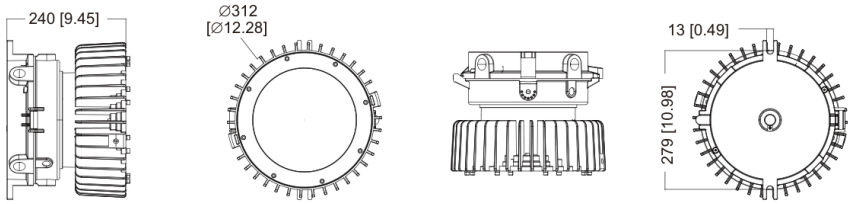

Q1 with driver cover D, wire guard, and flat diffuser



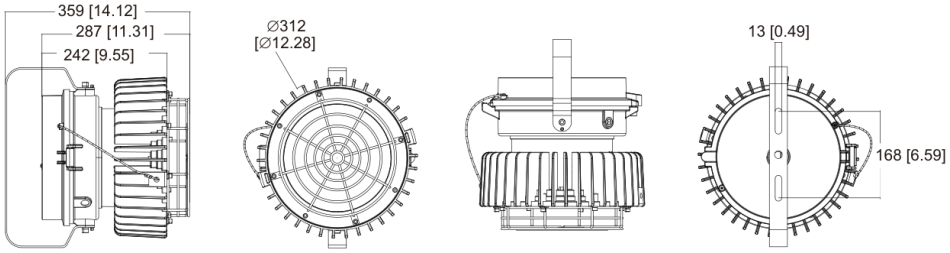

Q1 with driver cover D, wire guard, and convex diffuser (glass or PC)



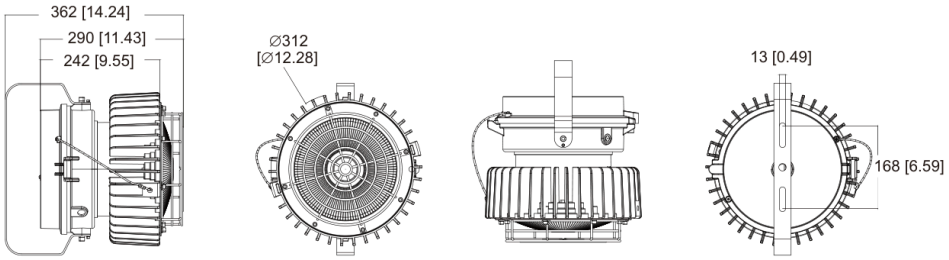
Q2 with driver cover A and flat diffuser



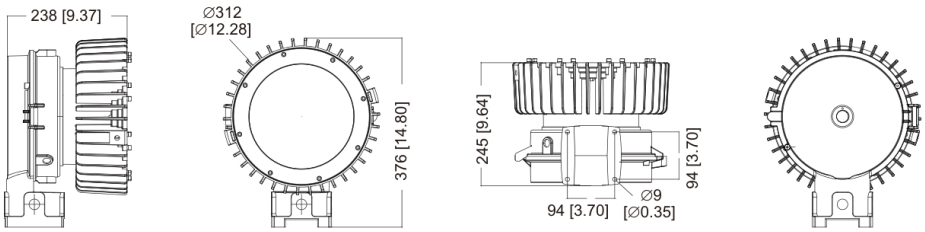

Q2 with driver cover B, wire guard, and flat diffuser




Q2 with driver cover B, wire guard, and convex diffuser (glass or PC)



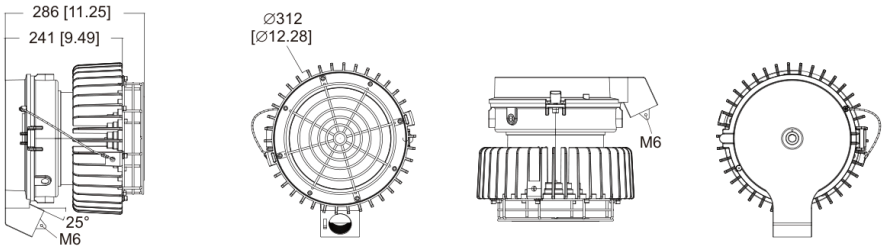

Q2 with driver cover C and flat diffuser



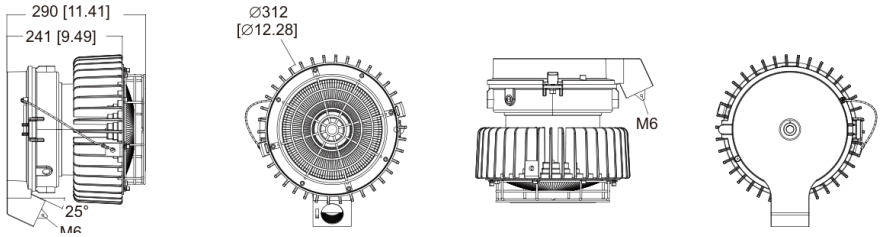
## HLQS-V

Hazardous Location LED Luminaire, Q Series, 20 W to 200 W, IP66

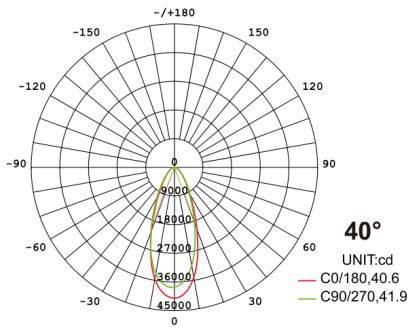
Q2 with driver cover D, wire guard, and flat diffuser



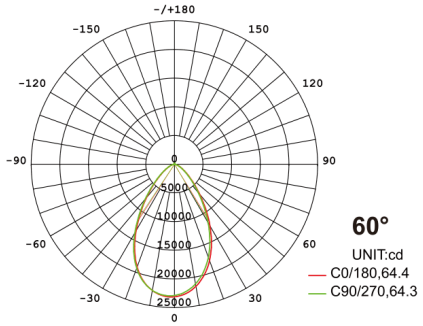

Q2 with driver cover D, wire guard, and convex diffuser (glass or PC)



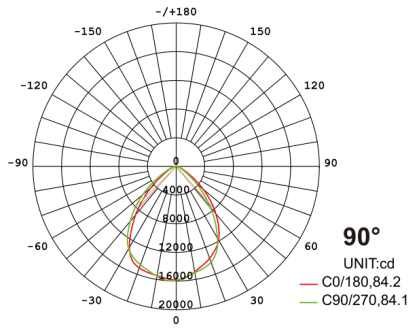

## Photometric



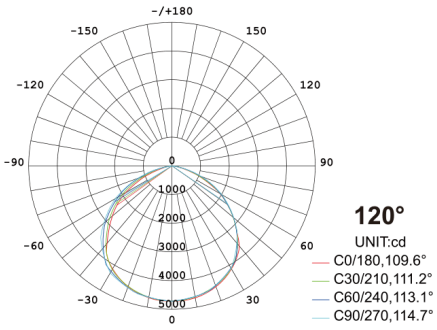

AVERAGE BEAM ANGLE(50%):41.2 DEG




AVERAGE BEAM ANGLE(50%):64.3 DEG




AVERAGE BEAM ANGLE(50%):84.1 DEG




AVERAGE BEAM ANGLE(50%):112.1 DEG



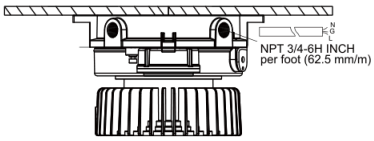
**Paraflex Industries 2006, Inc.**
1346 How Lane, North Brunswick, NJ 08902
HLQS-V | Rev 01 | 10/18/2026
info@paraflexltg.com
paraflexltg.com

## HLQS-V

Hazardous Location LED Luminaire, Q Series, 20 W to 200 W, IP66

## Mounting Methods

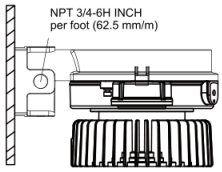
### • Option 1: Ceiling Mount




Note: Surface mounting is suitable for model with driver box cover A.



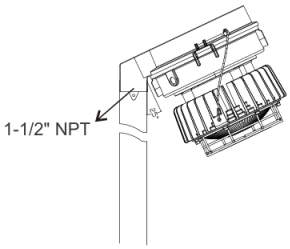
### • Option 2: Wall Mount




Note: Wall mounting is suitable for models with driver box cover C.



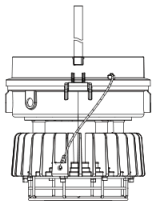
### • Option 3: Stanchion 25° Mount




Note: 1. Stanchion mounting is suitable for models with driver box cover D.
2. The thread of the lamp pole interface is 1-1/2" NPT.



### • Option 4: Pendant Mount



### • Accessory (Ordered Separately)

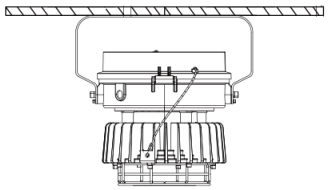


**Pole**
Ex-Straight Pipe

Note: Pendant mounting is suitable for models with driver box cover B.



### • Option 5: Surface Mount



Note: 1. U bracket is standard accessory that is included in the packaging.
2. Surface mounting is suitable for models with driver box cover B.





**Paraflex Industries 2006, Inc.**
1346 How Lane, North Brunswick, NJ 08902
HLQS-V | Rev 01 | 10/18/2026
info@paraflexltg.com
paraflexltg.com

## HLQS-V

Hazardous Location LED Luminaire, Q Series, 20 W to 200 W, IP66

## Accessories (purchased separately)

Pole: Ex-Straight Pipe (U bracket is a standard accessory included in the packaging for surface mounting).

## Ordering Guide

**Example: HLQS-V-100W-Q1-D-50-D120-FP-A**

| # | Field | Options |
|---|---|---|
| 1 | **Model** | HLQS-V (Q Series hazardous location luminaire) |
| 2 | **Rated input wattage** | Q1: 20 / 30 / 40 / 50 / 60 / 80 / 100W  Q2: 20 / 40 / 50 / 60 / 80 / 100 / 120 / 150 / 180 / 200W |
| 3 | **Lamp enclosure heatsink** | Q1  Q2 |
| 4 | **Dimming** | D = Dimmable  Blank = Non-dimmable |
| 5 | **CCT** | 30 = 3000K  40 = 4000K  50 = 5000K  57 = 5700K  65 = 6500K |
| 6 | **Beam angle** | D40 = 40°  D60 = 60°  D90 = 90°  D120 = 120°  T2 / T3 / T5 (see vendor listing) |
| 7 | **Diffuser type** | Blank = Flat glass  G = Convex glass  P = Convex PC  FP = Flat PC |
| 8 | **Driver box cover** | A = Driver box cover A  B = B  C = C  D = D |
| 9 | **Backup power** | Blank = No backup power  -EM = Backup power |
| 10 | **Enclosure cover** | A = Alternate enclosure cover 1 (normal cover)  B = Lamp enclosure cover 1 (step cover) |
| 11 | **LED type** | 1 = 5050  Blank = 2835 |
| 12 | **Input voltage** | 480 = 200-480V  Blank = 100-277V / 120-277V |

**Disclaimer:**
Due to the rapid pace of technology change in the Lighting industry, the Information and Data presented in this spec sheet is for reference purposes only, please confirm with Paraflex Industries 2006,Inc. at the time of finalizing the order or design. Paraflex Industries 2006,Inc. does not warrant or represent that the information is free from errors or omission. The information may change without notice and Paraflex Industries 2006,Inc. is not in any way liable for the accuracy of any information printed and stored or in any way interpreted or used.



**Paraflex Industries 2006, Inc.**
1346 How Lane, North Brunswick, NJ 08902
HLQS-V | Rev 01 | 10/18/2026
**info@paraflexltg.com**
**paraflexltg.com**