HLQS-V-T

Hazardous Location LED Luminaire, Q Series, Selectable Power and CCT, 60 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. Power and CCT are selectable on the luminaire.

Features

- Compact and rugged structure, easy for installation
- Selectable power and CCT (DIP switch)
- All exposed fasteners in quality stainless steel
- High quality SMT LED and driver
- Resistance with IK08 / IK10 certified
- Unique design enhances airflow for greater heat dissipation
- Microwave motion sensor optional
- Isolated LED compartment reduces temperature within LED driver housing
- Globe glass with wire guard 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
- UL 1598 Wet Locations
- UL 1598A Marine Outside Type
- Vibration 3G
- NEMA 4X
- ABS
- IP66
- IK08 (without wire guard)
- IK10 (with wire guard)

Electrical

Model	60W (Q1)	80W (Q1)	100W (Q1)	120W (Q2)	150W (Q2)	200W (Q2)
Selectable power	60W	80W	100W	120W	150W	200W
Input voltage	120-277VAC or 277-480VAC (see ordering guide)					
Frequency / power factor	50/60Hz / > 0.95 @120V					
Optional emergency	Minimum 90 minutes (contact Paraflex for options)					
Service life / salt spray	Up to 50,000 hours / 500 hours					

Optical

Model	60W (Q1)	80W (Q1)	100W (Q1)	120W (Q2)	150W (Q2)	200W (Q2)
Lumen output	8700lm	11600lm	14500lm	17400lm	21750lm	29000lm
Lumens per watt	145lm/W					
Selectable CCT / CRI	4000K / 5000K / 6500K / > 70					
Beam angle	120°					
Dimming	1-10V dimming (requires separate 1-10V DC dimming circuit)					
LED	Long-life, high-efficacy 2835 LEDs; 100,000-hour lifespan based on IES LM-80 and TM-21					

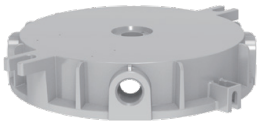
Environmental and Mechanical

Ambient temperature	Q1: T4A, -40°C to +55°C; Q2: T4A, -40°C to +50°C (Class I and II)
Housing / lens	Die-cast aluminum / Clear convex glass
Gasket / hardware	Silicone rubber / Stainless steel 304
Protection	IP66 / IK10 / NEMA 4X
Mounting	Ceiling and U-bracket (included); pendant (purchased separately)
Cable entries	3/4" NPT
Warranty	5-year limited warranty on fixture

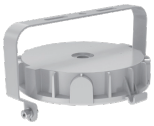
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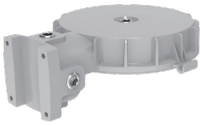
Driver Box Cover Types



A1 (Ceiling)



B1 (U bracket)



C1 (Wall)



D1 (25° pole)



I1 (Pendant)

Power and CCT Selection (DIP switches)

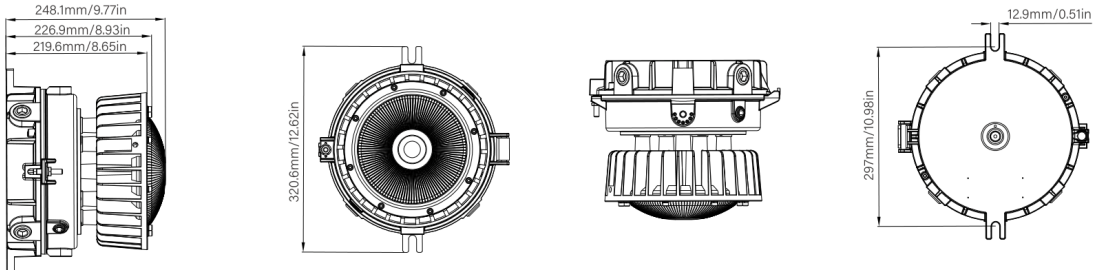
S1 power	Dial 1	Dial 2	Q1	Q2
Maximum output	OFF	OFF	100W	200W
Medium output	ON	OFF	80W	150W
Minimum output	OFF	ON	60W	120W

S2 CCT	Dial 1	Dial 2	CCT
Cool white	OFF	OFF	6500K
Neutral white	ON	OFF	5000K
Warm white	ON	ON	4000K

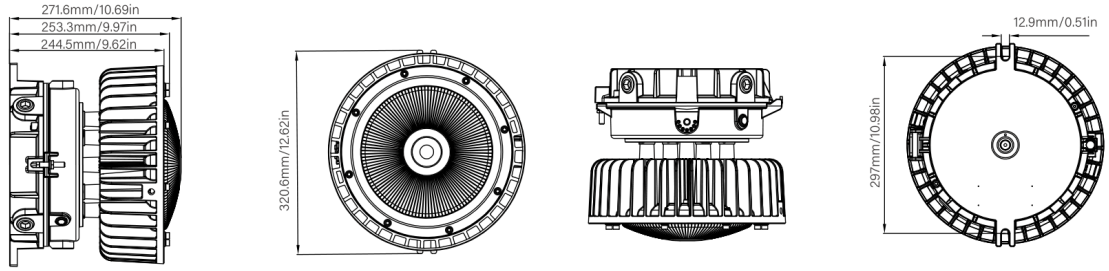
Factory default settings and power levels can be customized according to order requirements.

Dimensions, mm [inch]

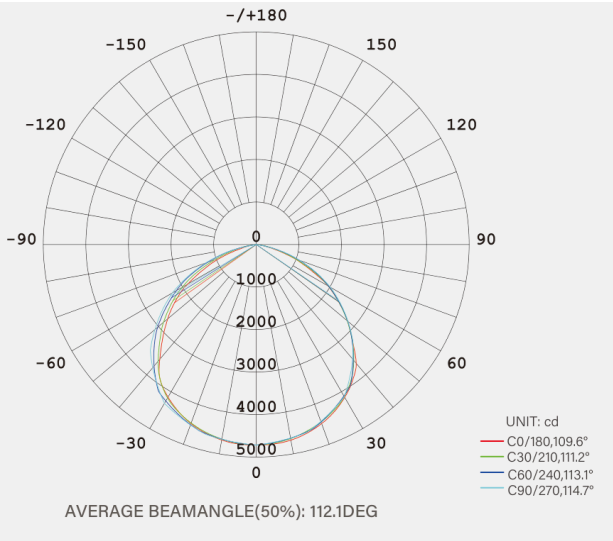
• Q1



• Q2



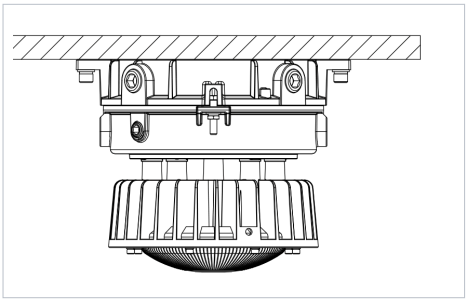
Photometric



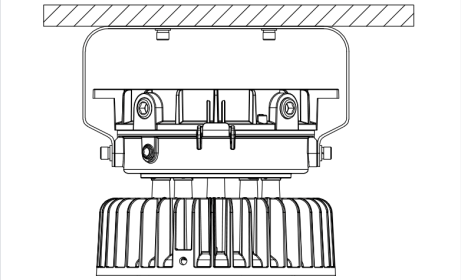
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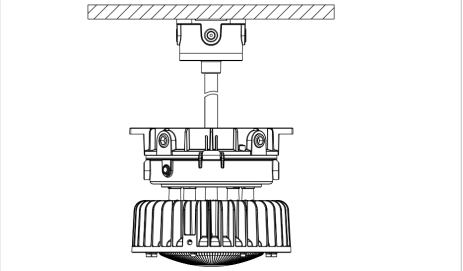
Mounting Methods



1. Ceiling mounting



2. U-bracket mounting



3. Pendant mounting

Accessories (purchased separately)



EX-Bended Pipe



EX-Straight Pipe



EX-HD51-KYD 90°



EX-HD51-KYD 25°



EX-Slip Fitter Kit



EX-90° Wall Mount Kit



EX-25° Wall Mount Kit



EX-90° Stanchion Mount Kit



EX-25° Stanchion Mount Kit



EX-Hook



EX-HD51-KB1 junction box

Ordering Guide

Example: HLQS-V-T-100W-Q1-D-50-D120-H-V10-T-E

#	Field	Options
1	**Model**	HLQS-V-T (Q Series hazardous location luminaire, selectable power and CCT)
2	**Input wattage**	Q1: 60 / 80 / 100W Q2: 120 / 150 / 200W (selectable)
3	**Series**	Q1 Q2
4	**Dimming**	D = Dimmable Blank = Non-dimmable
5	**CCT**	50 = 4000K / 5000K / 6500K (selectable)
6	**Beam angle**	D120 = 120°
7	**Input voltage**	H = 200-480V M = 120-347V Blank = 100-277V / 120-277V
8	**LED driver**	V10 / X24 (120-277V, Q1 / Q2) A10 / A24 (277-480V, Q1 / Q2)
9	**Dual tunable**	T = With tunable (power and CCT)
10	**Backup power**	Blank = No backup power -E = Backup power

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