HLRL-V-T

Hazardous Location LED Luminaire, RL Series, Selectable Power and CCT, 20-60 W, IP66

Hazardous Location LED Luminaire



RL2



RL4

The RL Series linear vapor-tight LED luminaire is designed for use in hazardous locations where flammable gases, vapors or liquids may be present during normal facility operations. The combination of the style and design of new LED technology with the ruggedness and durability of a hazardous location fixture makes it ideal for retrofit of existing HPS / MH fixtures and offers higher efficacy for energy savings, lower maintenance costs and shorter payback. Power and CCT are selectable on the luminaire. The optional backup battery system provides a minimum of 90 minutes of operation after AC power failure (contact Paraflex for options).

Features

- Selectable power and CCT (DIP switch)
- Replaceable LED light strip
- Available in two lengths: 2 feet and 4 feet
- Built-in low voltage microwave sensor (optional)
- Self-contained battery system (optional)
- Fixed bracket: surface mount and rope / pendant mount
- Interlock kit for quick access to connect and maintain
- Glass-reinforced polyester housing, excellent for high corrosion
- UV-stabilized, impact-resistant FRP polycarbonate lens (clear / frosted)

Application

- Power Plants
- Heavy industrial storage facilities
- Paper mills
- Wastewater treatment plants
- Loading docks / platforms
- Offshore environments
- Chemical processing facilities
- Petrochemical processing facilities
- 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 Luminaires
- UL 1598A Marine
- UL 8750 LED Safety
- Vibration 3G
- NEMA 4X
- ABS
- IP66
- IK10

Electrical

Model	RL2 (2 ft)	RL4 (4 ft)
Selectable power	20W / 30W / 40W	40W / 50W / 60W
Input voltage	120-347VAC 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	
Dimming	1-10V dimming wiring included (separate 1-10V DC dimming circuit required)	

Optical

Model	RL2 (2 ft)	RL4 (4 ft)
Selectable power	20W / 30W / 40W	40W / 50W / 60W
Lumens per watt	180lm/W	
Lumen output	3,600-7,200lm	7,200-10,800lm
Selectable CCT / CRI	4000K / 5000K / 6500K / 80	
Beam angle	120°	
LED	Long-life, high-efficacy, discrete surface-mount 2835 LEDs; 100,000-hour lifespan based on IES LM-80 and TM-21	

Mechanical

Housing material	FRP (fiber reinforced plastics)
Lens material	Transparent fiberglass-reinforced polycarbonate (standard); diffuse fiberglass-reinforced polycarbonate (optional)
Gasket / cover	Silicone rubber / PC
Protection	IP66 / IK10
Mounting	Surface mount (standard); rope mount (standard); pole mount (purchased separately)
Cable entries	3/4" NPT
Warranty	5-year limited warranty for fixture; 3-year limited warranty for battery backup

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Ambient Temperature

Temperature class	T5: -40°C to +60°C (Class I Div 2)
Applies to	RL2 and RL4, input 120-347VAC and 277-480VAC

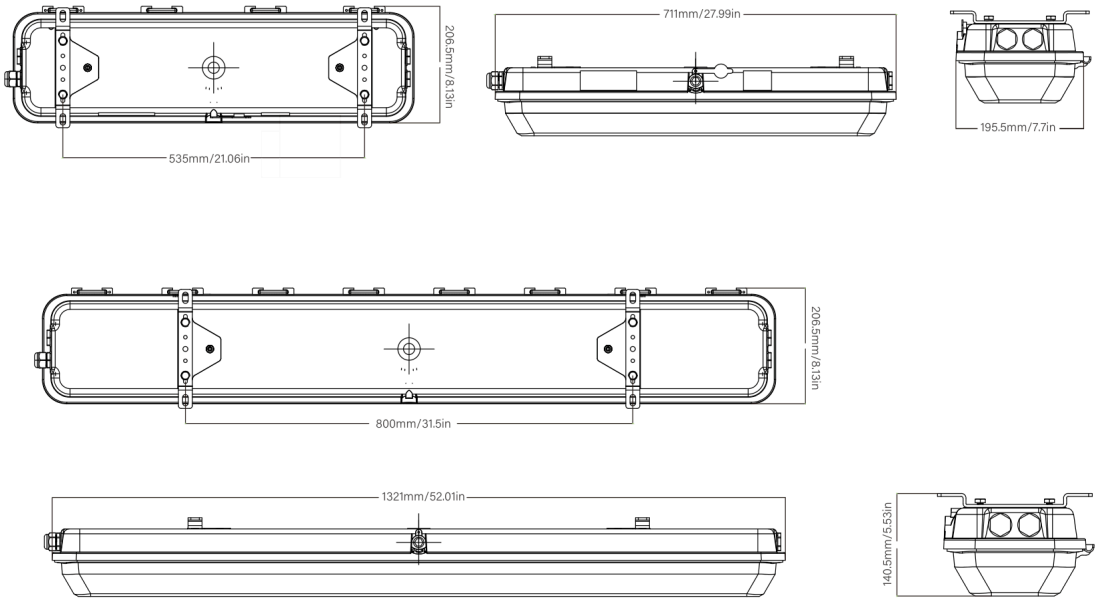
Power and CCT Selection (DIP switches)

S1 power	Dial 1	Dial 2	RL2	RL4
Maximum output	OFF	OFF	40W	60W
Medium output (70-90%)	ON	OFF	30W	50W
Minimum output (50-70%)	OFF	ON	20W	40W

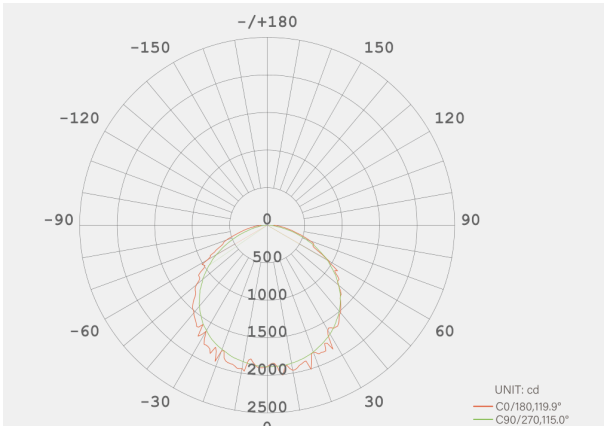
S2 CCT	Dial 1	Dial 2	CCT
Cool white	OFF	OFF	6500K
Neutral white	ON	OFF	5000K
Warm white	ON	ON	4000K

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

Dimensions, mm [inch]



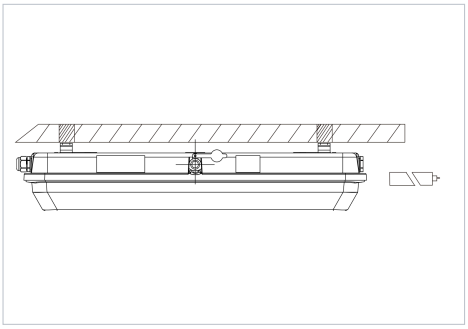
Photometric



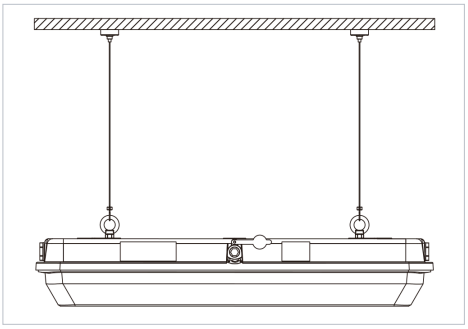
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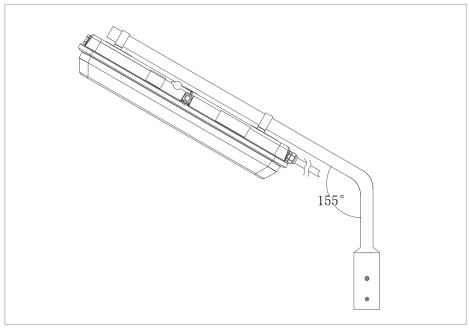
Mounting Methods



1. Surface mounting



2. Rope mounting



3. Pole mounting

Accessories



Pole (purchased separately)





Pole clamp (purchased separately)



Suspension cable (included)

Ordering Guide

Example: HLRL-V-T-40W-RL2-Y-50-D-2-M-E55

#	Field	Options
1	**Model**	HLRL-V-T (RL Series hazardous location luminaire, selectable power and CCT)
2	**Input wattage rating**	RL2: 20 / 30 / 40W RL4: 40 / 50 / 60W (selectable)
3	**Luminaire length**	RL2 = 2 feet RL4 = 4 feet
4	**Dimming**	Y = Dimmable
5	**CCT**	40 = 4000K 50 = 5000K 65 = 6500K (selectable)
6	**Beam angle**	D = 120°
7	**LED module**	2 = 2835 LED
8	**Input voltage**	H = 277-480Vac L = 100-277V or 120-277Vac M = 120-347Vac
9	**Driver group**	E55 = SS-55EP-M54BH A40 = VA-40V-054B EP75 = SS-75EP-M54BH H10 = HVG-100-48AB

Disclaimer:
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