

# HZL1 Series Hazardous Location Light

HAZARDOUS LOCATION FIXTURES

**100-  
277V**

**LM79  
LM80**



**IP66**



## PROJECT INFORMATION

Project Name \_\_\_\_\_

Catalog No. \_\_\_\_\_

Date \_\_\_\_\_

## DESCRIPTION

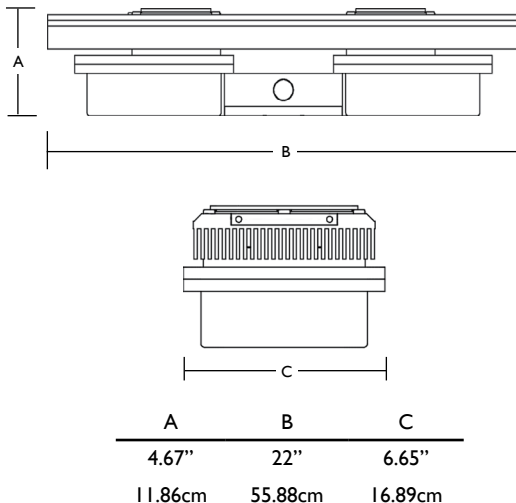
The ActiveLED HZL1 Series Hazardous Location Light provides durability for heavy duty use in demanding conditions where explosive vapors, gases, moisture, corrosion and vibration are prevalent and reliability is critical. The HZL1 provides a T5 temperature rating for use in ambient conditions providing optimum visibility for process, testing and inspection areas.

Applications include: Oil and Gas Refineries, Oil Drilling Rigs and Platforms, Mines, Ships, Shipyards, Wastewater Treatment Plants and more.



HZL1 Series Hazardous Location Light

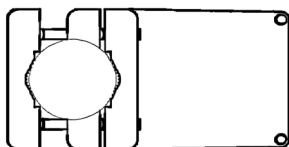
## DIMENSIONS



## FEATURES

- North America - Class I, Division I Groups B, C and D - T5
- Canada - Class I, Division I, Groups C, D and - T5
- Replaceable polycarbonate or optional extreme environment glass lens covers.
- Fully enclosed drivers.
- Comes standard with 3/4" NPT Fitting.
- ThermalDRAW™ Cooling Technology - Patented cooling technology ensures LED components will equal or exceed warranty.
- LUM-INTENSE™ - LED lighting luminaire technology that combines recent advancements in LED Modules, Drivers and Optics to deliver more Lumens per Watt in a smaller package.

## MOUNTING OPTIONS



Clamp range 0.75" to 02.00" tube or pipe.  
Clamp attaches to each end of luminaire.

## OPTIONAL EXTREME ENVIRONMENT LENS



Part # 93-10023100



LIGHT OUTPUT  
**11,250 Lm**

WATTS  
**75 W**

LUMENS per WATT  
**150 Lm/W**

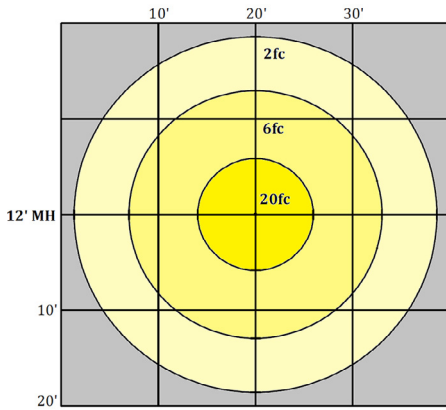
LIGHT COLOR (CCT)  
**5,000 K**

**ActiveLED®**  
Energy Efficient Lighting and Controls

NOTE: Lighting Facts shown for HZL1 75W only.  
For more Lighting Facts, visit [lightingfacts.com](http://lightingfacts.com) for the Label and Label Reference Guide.



## PHOTOMETRICS



## PERFORMANCE DATA

AMBIENT TEMPERATURES	0 HOURS	45,000 HOURS	90,000 HOURS
77°F (25°C)	1.00	0.99	0.99
104°F (40°C)	1.00	0.98	0.96
131°F (55°C)	1.00	0.96	0.92
140°F (60°C)	1.00	0.95	0.90

Projected Lumen Maintenance (TM-21)

NOTE: Calculated using data collected according to LM-80 lumen maintenance on the LED package.

NOTE: Photometrics shown for HZL1 75W only. Contact company for photometrics on other sizes.

## GENERAL SPECIFICATIONS

Input Voltage	Auto-Sensing 100-277 Volts AC, 50/60 Hz	LED Optics	IP66 rated, thermally bonded LEDs Patented thermal management mounting system
Input Power	75 Input Watts 72 LED Watts	CCT	2700K, 3000K, 3500K, 4000K, or 5000K
Power Factor	> 0.95 (at ~100-277 Volts)	Housing	Aluminum for enclosure and heat sinking parts, stainless steel hardware
THD	Total Harmonic Distortion (THD) <20% (typical 9%) at full load	Finish	Raw Aluminum
Driver	Integral driver with aluminum housing, integral heat sink and short circuit protection	Dimensions	4.67" Height, 6.65" Wide and 22" Length (11.86cm x 16.89cm x 55.88cm)
Operating Temperature	-58° F to 140° F (-50° C to 60° C)	Weight	33 lbs, 14.96Kg
Lumen Lifetime	L90/90K Hrs @ 60° C (90,000 Hrs with 90% Luminous Flux)		

## WARRANTY

Ten (10) Year Warranty - LEDs, Fixture, and Driver shall conform to its published specifications under normal usage and operating conditions including "no light loss" of more than 10% at the end of the period. LEDs will produce at least 90% of their initial light output with no color shift after 90,000 hours of operation.

## LISTINGS AND TESTS

UL844, Class I Division I, UL1598, UL1598A, UL listed driver, CE, suitable for wet locations. RoHS compliant. IP66 Rated. LM-79 and LM-80 info available. Conforms to FCC Part 15.19 Subpart B Class A. Made in USA - ARRA Compliant.

## ORDERING INFORMATION

Example: HZL1U-B-WT50R75RAE

HZL1		B	W	T		R75		
Unit	Driver	Mount	Pattern	Diffuser	CCT	Watts	Color	Options
<b>HZL1</b> Hazard Light	<b>U</b> Universal Driver 100-277 VAC, 50/60 Hz	<b>B</b> Bolt Mount	<b>W</b> Wide	<b>T</b> Tempered Glass	<b>60</b> 6,000K	<b>R75</b> 72W LED, 75W Max	<b>RA</b> Raw Aluminum	<b>P</b> Polycarbonate Lens
	<b>L</b> 12 VAC Low Voltage Driver				<b>50</b> 5,000K		<b>WH</b> White	<b>E</b> Extreme Environment Glass Lens
					<b>40</b> 4,000K			
					<b>35</b> 3,500K			
					<b>30</b> 3,000K			
					<b>27</b> 2,700K			