

# HZL1H Series Hazardous Location Light

HAZARDOUS LOCATION FIXTURES

**100-277V**

**LM79 LM80**



**IP66**



## PROJECT INFORMATION

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

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

## DESCRIPTION

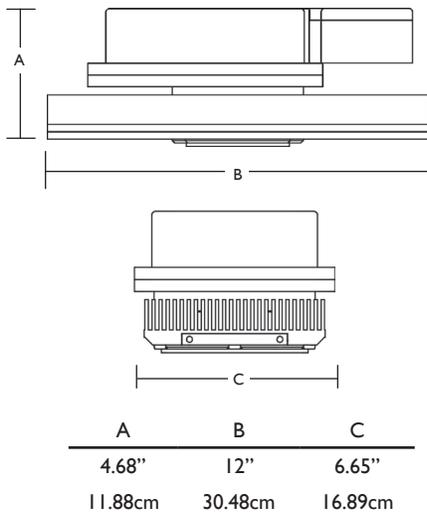
The ActiveLED HZL1H Series Hazardous Location Light punches out 7,000 Lumens at a staggering 147 Lumens Per Watt while offering the uniqueness of being half the size of its companion the HZL1. The HZL1H is engineered for durability in demanding conditions where explosive vapors, gases, moisture, corrosion and vibration are prevalent and reliability is critical. The HZL1H's T5 temperature rating ensures the highest performance in ambient conditions, while offering 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.



HZL1H Series Hazardous Location Light

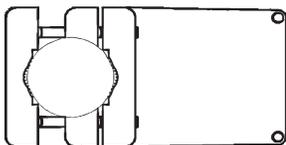
## DIMENSIONS



## FEATURES

- North America - Class I, Division I Groups B, C and D - T5\*
- Canada - Class I, Division I, Groups C, D and - T5\*
- 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.
- Replaceable lens covers.
- Fully enclosed drivers.
- Warranty - 10 Year Warranty on LED elements, fixture housing, and LED Driver. See page 2 for additional warranty information.

## MOUNTING OPTIONS



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



LIGHT OUTPUT

**7,200 Lm**

WATTS

**48 W**

LUMENS per WATT

**150 Lm/W**

LIGHT COLOR (CCT)

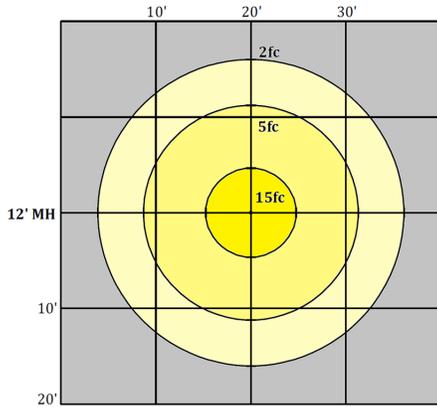
**5,000K**

**ActiveLED®**  
Energy Efficient Lighting and Controls

NOTE: Lighting Facts shown for HZL1H 45W 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 HZL1H 45W 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	48 Input Watts 45 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 and integral heat sink	Dimensions	4.68" Height, 6.65" Wide and 12" Length (11.88cm x 16.89cm x 30.48cm)
Operating Temperature	-58° F to 140° F (-50° C to 60° C)	Weight	17.5 lbs, 7.938Kg
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 1, ULI598, ULI598A, UL listed driver, CE, suitable for wet locations. RoHS compliant. IP66 Rated optical assembly. 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: HZL1HU-B-WT50R45RA

HZL1H		B	W	T		R45	RA
Unit	Driver	Mount	Pattern	Diffuser	CCT	Watts	Color
<b>HZL1H</b> Hazard Light Half-Size	<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>50-</b> 5,000K <b>40-</b> 4,000K <b>35-</b> 3,500K <b>30-</b> 3,000K <b>27-</b> 2,700K	<b>R45</b> 45W LED, 48W Max	<b>RA-</b> Raw Aluminum
	<b>L</b> 12 VAC Low Voltage Driver						