

HZL1 RT Series Hazardous Location

100-277V

LM79 LM80



IP66



PROJECT INFORMATION

Project Name _____

Catalog No. _____ Date _____

DESCRIPTION

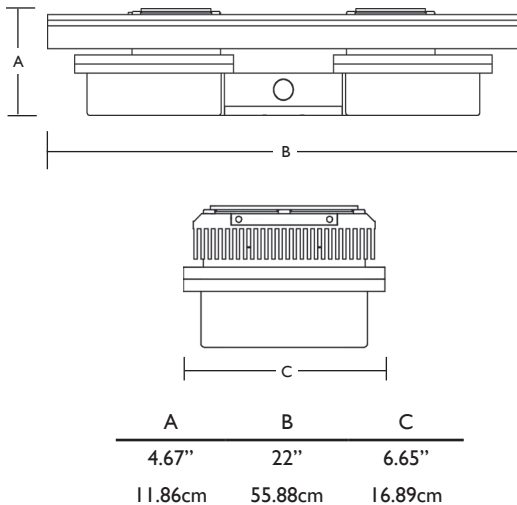
The ActiveLED HZL1xx-RT Series Hazardous Location Light provides durability for heavy duty use in demanding conditions where explosive vapors, gases, moisture, corrosion and vibration are prevalent and reliability is critical. The HZL1-PAN Series provide a T5 temperature rating for use in ambient conditions providing optimum visibility for process, testing and inspection areas.

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



HZL1 RT Series Hazardous Location Light

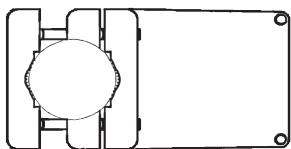
LIGHT DIMENSIONS



FEATURES

- North America - Class I, Division I Groups B, C and D - T5
- Canada - Class I, Division I, Groups C and D - T5
- Optional replaceable secondary polycarbonate glass lens covers for extreme environments where etching paints are used.
- Comes standard with 3/4" NPT Fitting.
- ThermalDRAW™ Cooling Technology - Patented cooling technology ensures LED components will equal or exceed warranty.
- LUM-INTENSE™ - Flicker Free LED lighting luminaire technology that combines recent advancements in LED Modules, Drivers and Optics to deliver more Lumens per Watt in a smaller package.
- 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.

OPTIONAL EXTREME ENVIRONMENT LENS



Part # 93-10023100 (Glass)



LIGHT OUTPUT
13,000 lm

WATTS
86 W

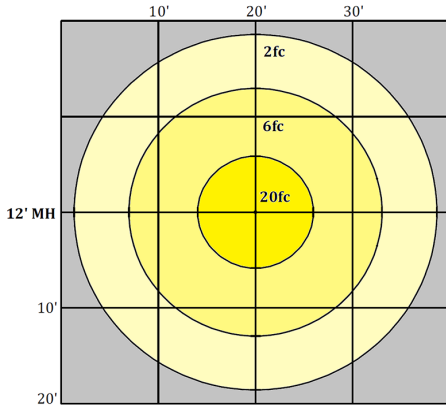
LUMENS per WATT
150 lm/W

LIGHT COLOR (CCT)
5,000 K

ActiveLED®
Energy Efficient Lighting and Controls



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.

PAN SPECIFICATIONS

Dimensions	23.95" x 47.95" x 5.67" - W x L x H (60.8cm x 121.8cm x 14.4cm)
Weight	2.2 lbs (1.0 kg) without fixture
Pan - Finish	Powder coated after fabrication



GENERAL SPECIFICATIONS

Input Voltage	Auto-Sensing 100-277 VAC, 50/60 Hz
Input Power	74, 86 or 110Watt per HZL1 light
Power Factor	> 0.95 (at ~100-277 Volt)
THD	Total Harmonic Distortion (THD) <20% (typical 9%) at full load
Driver	Integral driver with aluminum housing, integral heat sink and short circuit protection
Operating Temperature	-58° F to 140° F (-50° C to 60° C)
Lumen Lifetime	L90/90K Hrs @ 60° C (90,000 Hrs with 90% Luminous Flux)

LED Optics	IP66 rated, thermally bonded LEDs Patented thermal management mounting system
CCT	2700K, 3000K, 3500K, 4000K, or 5000K
Housing	Aluminum for enclosure and heat sinking parts, stainless steel hardware
Finish	Raw Aluminum
Dimensions	4.67" Height, 6.65" Wide and 22" Length (11.86cm x 16.89cm x 55.88cm)
Fixture Weight	RT1 - 33 lbs (14.96 kg) (Single HZL1) RT2 - 61 lbs (29 kg) (Dual HZL1)
Junction Box	3 access points, top, left and right, Factory Sealed with UL recognized Phenolic

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, 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: HZL1UD-RT1-WT40R90WHN

HZL1		D	RT1	WT		R90		
Unit	Driver	Dimming	Pan Type	Diffuser	CCT	Watts	Color	Options
HZL1-PAN Hazardous Location Light	U Universal Driver 100-277 VAC, 50/60 Hz	D* 0...10V Dimmable	RT1 Single HZL1 RT2 Dual HZL1	WT Wide Tempered Glass	60 6,000K 50 5,000K 40 4,000K	R75 75W Max 11,250lm R90 86W Max 13,000 lm R110 110W Max 16,000 lm	RA Raw Aluminum WH White	P Polycarbonate secondary Lens E Extreme Environment secondary Glass Lens N No Secondary Lens

* Dimmable units are factory sealed between power supply and junction box.