



## REDUCED PROFILE – INTRODUCTION



Class I, Div. 2, Groups A,B,C,D  
 Class I, Zone 2, Groups IIC,IIB,IIA  
 Class II, Div. 1 & 2, Groups E,F,G  
 Class III  
 Suitable for wet locations  
 Marine Rated (US only)  
 Type 3, 4X

 Certified - File LR11713

CERTiLite<sup>®</sup> V LED

## FEATURES-SPECIFICATIONS

## Applications

CertiLite<sup>®</sup> VM1L LED fixtures are designed for installations where moisture, dirt, dust, corrosion and vibration may be present, or Type 3 and 4X areas where wind, water, snow, or high ambients can be expected. They can be used in locations made hazardous by the presence of flammable vapors or gases or combustible dusts as defined by the NEC.

Typical applications include manufacturing plants, and certain chemical and petrochemical processing facilities, sewage treatment plants, off-shore and dockside installations, garages and storage facilities.

## Compliances

- UL-8750 for LED lighting
- UL-844 Standard for lighting fixtures for hazardous locations, Class I, Division 2; Class II, Divisions 1 and 2; Class III
- CSA C22.2 no. 137-M1981 electric luminaires for use in hazardous locations
- Enclosed and gasketed
- Type 3, 4X

## Materials

- Housing, splice box and cast guards corrosion resistant copper-free aluminum alloy
- Baked powder epoxy/polyester finish, electrostatically applied for complete, uniform corrosion protection
- All external hardware - stainless steel
- Reflectors - Polyester reinforced fiberglass

## LED Luminaire Features and Standards

Supplemental **20KA/10KV Surge Protection** is **standard** (for 120-277 VAC models)  
**10KA/10KV Surge Protection** (for 347-480 VAC)

- Reduced profile with Traditional Industrial Appearance and Suitability
- Wide variety of optics including globes, globes with reflectors, all-glass refractors, and spin-top refractors
- Swing-Barrel Nut patented tank mounting system
- Optional Mounting arrangements including Pendant, Wall, Ceiling, Stanchion and others
- VM1L LED Housings can be retrofitted to existing VM splice boxes; upgrade from HID sources
- Energy Savings – less than 55 Watts of Power
- LED Array Life – 100,000+ hours with 70% initial lumens
- Long Fixture Life – 50,000 - 55,000 maintenance free hours
- Crisp White Light for Excellent Color Rendering – Chromaticity 5000°K (CCT); 70 CRI
- Ambient suitability -40°C to 55°C
- Instant on – including after power interruption
- “World Voltage” 120-277VAC 50/60Hz
- Solder-LESS LED Board Connections – Vibration Resistant
- Dual Driver Option (DDR) – For additional energy savings, half of the fixture can be turned off

## Swing-Barrel Nut (Patented)



Polycarbonate 12"  
Spin-top  
Refractor VZRG2550



## Photo controls – Class I Div. 2 / N4X areas

Available as Field or Factory Installed to save energy when light not required.



## Earthquake Tab –

Built-in attachment point for safety cables.

**Safety: Secures fixture to structure in case of conduit failure.**



## REDUCED PROFILE – CATALOG LOGIC

# CERTILITE<sup>®</sup>V LED

## CertiLite<sup>®</sup>V LED Catalog Number Logic

