

LIGHTING

VM2&4LB, VM2&4LC SERIES



HIGH WATTAGE – INTRODUCTION

Expanded wattage range and shallower depth VM2LB models



VM2LB with Globe/Guard



VM4LB with Globe/Guard



VM4LC with Flat Lens

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
 NEMA 3, 4X
 IP66
 Marine Rated (US only)

Certified - File LR11713

IECEx Rated Models (VM4L with IEx suffix)
 Ex nA IIC T4, Gc / Ex tb IIIC T83°C Db
 Temp -40°C ≤Ta≤+65°C, IP66
 IECEx Certificate QPS 15.0006
 ATEX Pending

Contact Factory for other certification details



FEATURES-SPECIFICATIONS

Applications

CERTALITE® V VM4L LED fixtures are designed for installations where moisture, dirt, dust, corrosion and vibration may be present, or NEMA 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/CEC.

Typical applications include manufacturing plants, food processing, 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
- NEMA 3, 4X
- IP66 & Marine

Materials

- Ballast tank, 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 fiber glass or aluminum

LED Luminaire Features and Standards

- Traditional Industrial Appearance, Suitability, and Photometric Performance
- Wide variety of optics including globes, globes with reflectors, all-glass refractors, spin-top refractors and flat lens
- Swing-Barrel Nut patented tank mounting system
- Optional Mounting arrangements including Pendant, Wall, Ceiling, Stanchion and others
- VM4L LED Housings can be retrofitted to existing VM splice boxes; upgrade from HID sources
- VM2Lx housing is 1.56" shallower for low ceilings
- Crisp White Light for Excellent Color Rendering – Chromaticity 5000 K (CCT range); approx. 70 CRI
- Energy Savings – less than 130 Watts of Power

- Long Life – 50,000 - 55,000 maintenance free hours to 70% initial lumens
- 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
- Ability for Dual Drivers – Redundant Systems (built-in backup), or for additional energy savings half of fixture can be turned off
- LM80-08* Measurement of lumen maintenance for LED light sources (including TM-21)
- LM79-08* Certified "Absolute" Photometry, including Chromaticity Color for Solid State Lighting
- L70 Values – Industry Nomenclature for Hours of use to 70% of Initial Lumens
- Two LED internal heat sink styles
 - » Bulb VM2LB/VM4LB
 - » Concave VM2LC/VM4LC

* LM-xx + TM-21 are Illumination Engineering Society standards designed to promote uniformity in testing procedures among test labs and manufacturers. For more information go to www.ies.org



LED INTERNAL Heat Sinks

Bulb style (VM4LB)
 Maximum lumens but has more glare at line-of-sight.

Concave style (VM4LC)
 for a compact profile.
 Recessed concave LED array produces less glare.



Consult website for current list of approved luminaires



Non-Glass Polycarbonate 12" Flat Lens



Patented Design



HIGH WATTAGE – CATALOG LOGIC

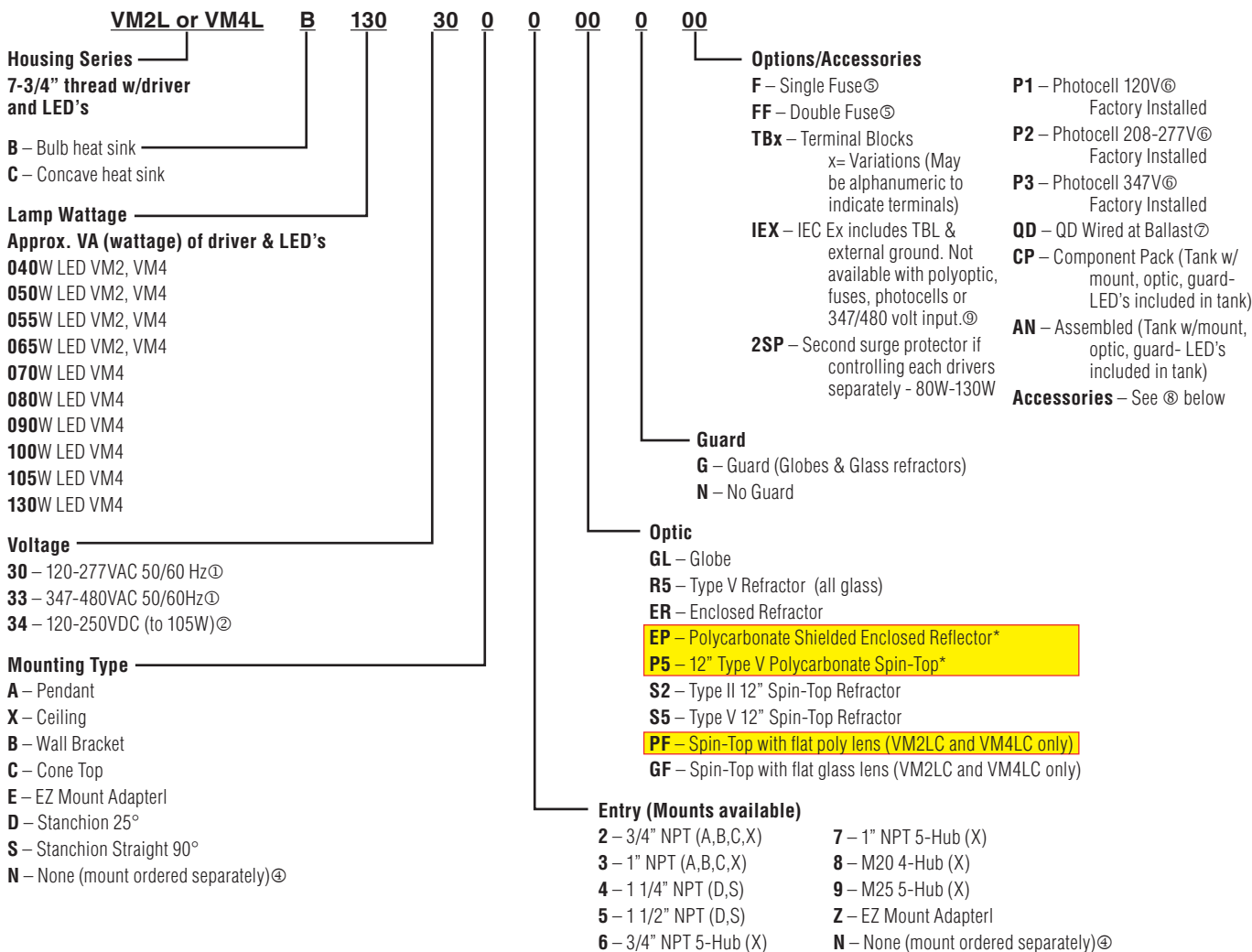
CERTILITE[®]V

The Logical Choice

Killark high efficiency LED Luminaries require **NO** external heat sink which adds weight and collects dust and other contaminants



CertiLite[®]V LED Catalog Number Logic



[Ⓛ] 40W, 50W, 55W, 65W, 70W single driver; 80W -130W dual drivers
[Ⓢ] 80W-105W only (also 120-277VAC 50/60HZ)
[Ⓛ] Completes as "EZ", conduit mounting boxes ordered separately - See catalog grids.
[Ⓢ] Completes as NN-Mount ordered separately.
[Ⓢ] Fusing not for Marine or Canadian installations.
[Ⓢ] Photo cells for Class I, Div. 2 only.
[Ⓢ] QD = Quick Disconnect. Allows easy tank removal for maintenance. Electrician simply unplugs tank from mount for fixture relocation or repair due to impact damage.

[Ⓢ] Accessories - Shown for ordering convenience (shipped separately)

S	VMPSD40	Fiberglass White Reflector
A	VMPA40	Fiberglass ANGLE White Reflector
D	HRD400	Deep White Reflector
Z	HRD400ALZ	Deep Alzak Reflector

[Ⓢ] IEX option only available with VM4L and requires glass optics

*Non-glass Group G Food Processing Suitability

LIGHTING

VM2&4LB, VM2&4LC SERIES



HIGH WATTAGE – ORDERING INFORMATION



Globe & Guard or Glass Refractor & Guard



Spin-Top Poly or Glass Flat Lens VM4LC only



Spin-Top Poly or Glass Refractor



Enclosed Reflector



Poly Food Optic

VM4LB SERIES PENDANT WITH OPTIC AND GUARD ①

WATTS	HUB SIZE ②	VOLTAGE ③	GLOBE & GUARD	TYPE V GLASS REFRACTOR & GUARD	12" SPIN-TOP TYPE V GLASS REFRACTOR & GUARD	12" SPIN-TOP TYPE V POLYCARBONATE REFRACTOR & GUARD	ENCLOSED REFLECTOR	POLYCARBONATE FOOD OPTIC
40Ⓞ	3/4"	120-277VAC	VM4LB04030A2GLG	VM4LB04030A2R5G	VM4LB04030A2S5G	VM4LB04030A2P5G	VM4LB04030A2ERN	VM4LB04030A2EPN
50Ⓞ	3/4"	120-277VAC	VM4LB05030A2GLG	VM4LB05030A2R5G	VM4LB05030A2S5G	VM4LB05030A2P5G	VM4LB05030A2ERN	VM4LB05030A2EPN
55Ⓞ	3/4"	120-277VAC	VM4LB05530A2GLG	VM4LB05530A2R5G	VM4LB05530A2S5G	VM4LB05530A2P5G	VM4LB05530A2ERN	VM4LB05530A2EPN
65Ⓞ	3/4"	120-277VAC	VM4LB06530A2GLG	VM4LB06530A2R5G	VM4LB06530A2S5G	VM4LB06530A2P5G	VM4LB06530A2ERN	VM4LB06530A2EPN
70	3/4"	120-277VAC	VM4LB07030A2GLG	VM4LB07030A2R5G	VM4LB07030A2S5G	VM4LB07030A2P5G	VM4LB07030A2ERN	VM4LB07030A2EPN
80	3/4"	120-277VAC	VM4LB08030A2GLG	VM4LB08030A2R5G	VM4LB08030A2S5G	VM4LB08030A2P5G	VM4LB08030A2ERN	VM4LB08030A2EPN
90	3/4"	120-277VAC	VM4LB09030A2GLG	VM4LB09030A2R5G	VM4LB09030A2S5G	VM4LB09030A2P5G	VM4LB09030A2ERN	VM4LB09030A2EPN
100	3/4"	120-277VAC	VM4LB10030A2GLG	VM4LB10030A2R5G	VM4LB10030A2S5G	VM4LB10030A2P5G	VM4LB10030A2ERN	VM4LB10030A2EPN
105	3/4"	120-277VAC	VM4LB10530A2GLG	VM4LB10530A2R5G	VM4LB10530A2S5G	VM4LB10530A2P5G	VM4LB10530A2ERN	VM4LB10530A2EPN
130	3/4"	120-277VAC	VM4LB13030A2GLG	VM4LB13030A2R5G	VM4LB13030A2S5G	VM4LB13030A2P5G	VM4LB13030A2ERN	VM4LB13030A2EPN

VM4LC SERIES PENDANT WITH OPTIC AND GUARD ①

WATTS	HUB SIZE ②	VOLTAGE ③	GLOBE & GUARD	12" SPIN-TOP POLYCARBONATE FLAT LENS* ④	TYPE V GLASS REFRACTOR & GUARD	12" SPIN-TOP TYPE V GLASS REFRACTOR & GUARD	12" SPIN-TOP TYPE V POLYCARBONATE REFRACTOR & GUARD	POLYCARBONATE FOOD OPTIC
40Ⓞ	3/4"	120-277VAC	VM4LC04030A2GLG	VM4LC04030A2PFN	VM4LC04030A2R5G	VM4LC04030A2S5G	VM4LC04030A2P5G	VM4LC04030A2EPN
50Ⓞ	3/4"	120-277VAC	VM4LC05030A2GLG	VM4LC05030A2PFN	VM4LC05030A2R5G	VM4LC05030A2S5G	VM4LC05030A2P5G	VM4LC05030A2EPN
55Ⓞ	3/4"	120-277VAC	VM4LC05530A2GLG	VM4LC05530A2PFN	VM4LC05530A2R5G	VM4LC05530A2S5G	VM4LC05530A2P5G	VM4LC05530A2EPN
65Ⓞ	3/4"	120-277VAC	VM4LC06530A2GLG	VM4LC06530A2PFN	VM4LC06530A2R5G	VM4LC06530A2S5G	VM4LC06530A2P5G	VM4LC06530A2EPN
70	3/4"	120-277VAC	VM4LC07030A2GLG	VM4LC07030A2PFN	VM4LC07030A2R5G	VM4LC07030A2S5G	VM4LC07030A2P5G	VM4LC07030A2EPN
80	3/4"	120-277VAC	VM4LC08030A2GLG	VM4LC08030A2PFN	VM4LC08030A2R5G	VM4LC08030A2S5G	VM4LC08030A2P5G	VM4LC08030A2EPN
90	3/4"	120-277VAC	VM4LC09030A2GLG	VM4LC09030A2PFN	VM4LC09030A2R5G	VM4LC09030A2S5G	VM4LC09030A2P5G	VM4LC09030A2EPN
100	3/4"	120-277VAC	VM4LC10030A2GLG	VM4LC10030A2PFN	VM4LC10030A2R5G	VM4LC10030A2S5G	VM4LC10030A2P5G	VM4LC10030A2EPN
105	3/4"	120-277VAC	VM4LC10530A2GLG	VM4LC10530A2PFN	VM4LC10530A2R5G	VM4LC10530A2S5G	VM4LC10530A2P5G	VM4LC10530A2EPN
130	3/4"	120-277VAC	VM4LC13030A2GLG	VM4LC13030A2PFN	VM4LC13030A2R5G	VM4LC13030A2S5G	VM4LC13030A2P5G	VM4LC13030A2EPN

① Catalog numbers shown are with Guard (except ER/EP/PF); to omit guard change ending G to N; e.g. VM4LB05530X2GLN.

② Catalog numbers shown are with 3/4" conduit openings; change "2" to "3" for 1"; e.g. VM4LB05530X3GLG.

③ 120VAC through 277VAC 50/60Hz. See logic for other voltages.

④ 40W, 50W, 55W and 65W are available in VM2LB/VM2LC shallower housings. Substitute VM2L for VM4L in catalog number.

* For Glass 12" Spin-Top Flat Lens change PFN to GFN at end of catalog number.