



INTRODUCTION

FEATURES-SPECIFICATIONS



KILLARK® CertiLite® V Series sets a new standard for industrial grade HID luminaires. Designed for installations where moisture, dirt, dust, corrosion and vibration may be present, these fixtures are suitable for NEMA 3 and 4X areas and where wind, water, snow or high ambients can be expected. They also can be used in locations made hazardous by the presence of flammable vapors and gases or combustible dusts, as defined by the NEC®. Typical applications include manufacturing sites, chemical and petrochemical processing facilities, sewage treatment plants, off-shore and dockside installations, garages and warehouses.

Standard Materials:

- Ballast tank and splice box – corrosion resistant copper-free aluminum alloy with baked powder epoxy/polyester finish, electrostatically applied for complete, uniform corrosion protection.
- All external hardware – 316 stainless steel.
- Guards – painted copper-free aluminum alloy or 316SS for 7-3/4" glass optics and Enclosed Reflectors.
- Spin-top Refractor Guards are Plated Steel.
- Reflectors – lightweight, corrosion resistant fiberglass reinforced polyester, or copper-free aluminum.

Additional Features:

- Seven mounting splice box types; Pendant, Flex Pendant, Ceiling, Wall bracket, Cone Top, 25° Angle Stanchion, Straight Stanchion – in a variety of entry sizes, including M20 for the VMX ceiling style.
- Quartz auxiliary, HPS instant restart, Ballast Protectors
- Minimum starting temperature: HPS – 40°C; MV, MH & MHP – 30°C
- Normally shipped as components for fast delivery, or may be ordered factory assembled with or without lamps.
- Options for fuses and quick disconnect



Compliances

- UL1598 Standard for luminaires
- UL1598A Marine type luminaire
- UL-844 Standard for lighting fixtures for hazardous locations
- CSA C22.2 no. 137-M1981 electric luminaires for use in hazardous locations

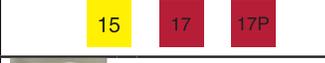
Class I, Div. 2, Groups A,B,C,D
Class I, Zone 2, Groups IIC, IIB, IIA
Class II, Div. 1 & 2, Groups E,F,G
Class III
Suitable for wet locations
NEMA 3, 4, 4X
IP66

UL US LISTED - File E10514 (Hazardous & Marine)

SP US Certified - File LR11713

NR Restricted Breathing Option
Class I, Zone 2 AEx nAnR
Class I, Zone 2 Ex nR

- Enclosed and gasketed
- NEMA 3, 4X IP66
- UL 60079-15 - Electrical apparatus for Explosive Gas Atmospheres with Type of Protection "n" (Restricted Breathing and non-sparking).

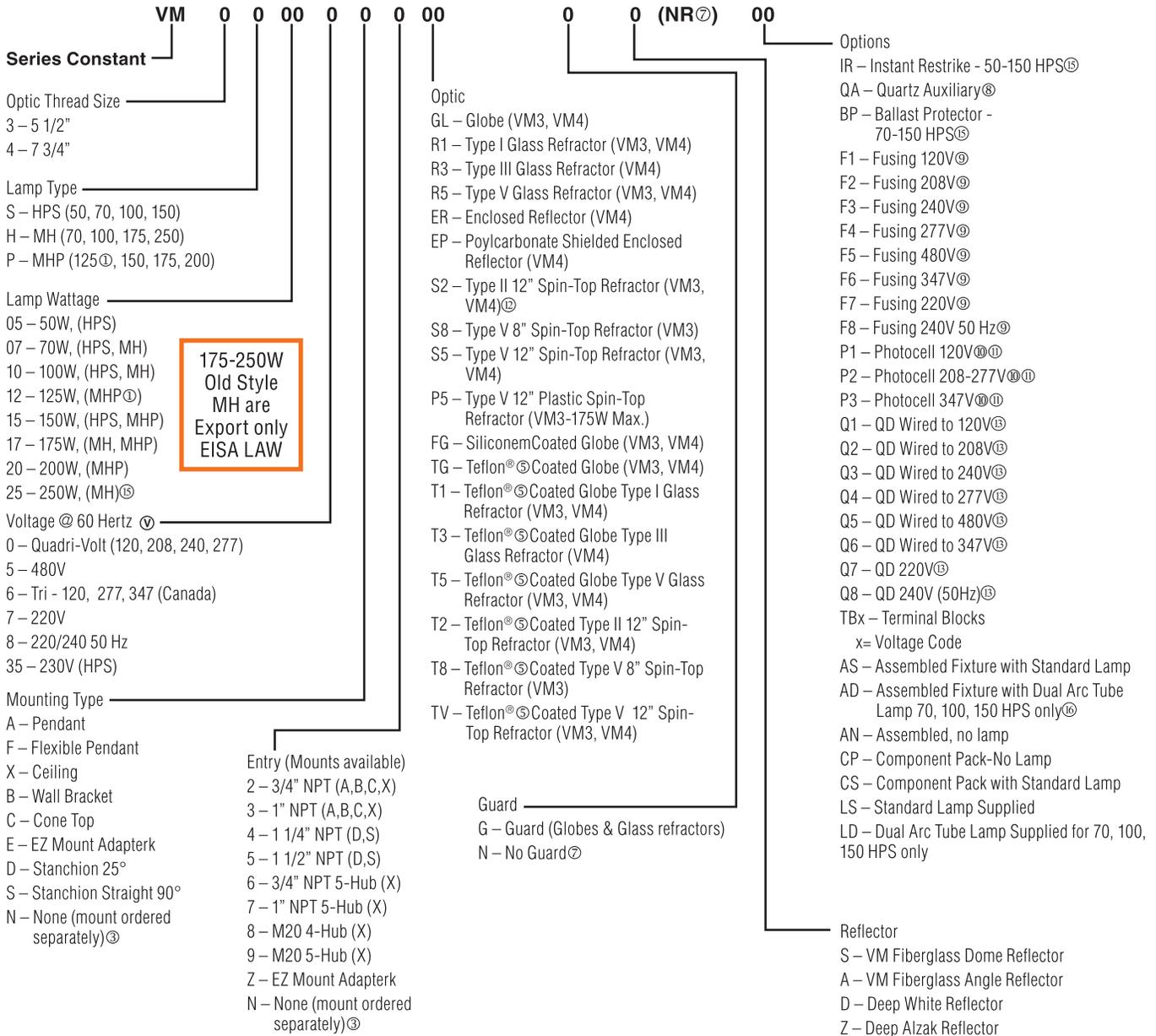
FEATURES	BENEFITS
 Swing-Barrel Nut Patented Tank Mounting System	<ul style="list-style-type: none"> • Stainless-to-Stainless securement • Takes load off during installation • Uses ordinary tools • Saves time and labor
 Range of ballast tanks	Cover a wider range of wattage sizes and socket types (will include five total) for maximum user selection flexibility
 Sealed Optic Zone 2 AEx nAR Restricted Breathing (suffix NR)	NO External Seals. Lower T-codes, Suitable for Class I Div. 2 Classified areas per the NEC®
 All glass refractors	Compact (5-1/2" thread size, types I & V) Standard (7-3/4", thread size, types I, III, V) Enhances user selection flexibility
 "EZ" mount adapter	Easier Maintenance, saves labor, move fixture from the ladder to the workbench
 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. "3rd hand" accessories for lamp change out. See L53 for more info.
 "FULL CUTOFF" & CUTOFF Optics	For "Dark Sky" Requirements. Helps to minimize offending light pollution.
 VMEP40 "Food Optic"	Expanded Offering for Food or Grain Handling Applications to minimize contamination
 NEMA Decals 15 17 17P	Easier Maintenance, Saves labor "Have the right lamp in hand before going up the ladder".
 Expanded lamp types and wattages	Philips® QL Induction type and 600Watt HPS available for long life or high lumen requirements
 CertiLite Software	Used to determine number of fixtures required and their proper layout for various tasks and applications.

Philips® is a registered trademark of Koninklijke Philips Electronics N.V.



VM3/VM4 CATALOG ORDERING LOGIC

CertiLite® Catalog Number Logic; 50-250 Low Wattage (Mogul Base) HID Fixtures



① Special order lamp type/wattage not shown in grids, minimums apply.
 ② Completes as "EZ", conduit mounting boxes ordered separately.
 ③ Silicone coated globe for additional impact protection.
 ④ Teflon® is a registered trademark of DuPont, Inc. Consult factory for available lamp and voltage combinations.
 ⑤ Restricted Breathing - See L84 for more information.
 ⑥ Order Guards for Spin-Tops & VMER40 separately.
 ⑦ QA not suitable for Class I, Div. 2/Zone 2 applications; consult factory for other hazardous applications.
 ⑧ Fusing not for Marine or Canadian installations.
 ⑨ Photo cells for Class I, Div. 2 only, or C1Z2 nR not Class II.
 ⑩ Field connection to proper tap in case of Multitap Ballasts.
 ⑪ Not for use with wall or straight (90°) Stanchion.
 ⑫ QD = Quick Disconnect. Allows easy tank removal for maintenance.
 ⑬ Electrician simply unplugs de-energized ballast from supply circuit. 220V 60Hz or 230V 50Hz used with QA-requires VM5 tank.
 ⑭ IR and BP cannot be ordered together.
 ⑮ Not available with IR or QA.

LIGHTING

CERTILITE® V SERIES



METAL HALIDE PULSE, 150-200W MOGUL BASE HID



Ceiling
w/ 5-1/2"
Globe & Guard



Wall
w/ 5-1/2"
Refractor & Guard



Ceiling
w/ 7-3/4"
Globe & Guard



Wall
w/ 7-3/4"
Refractor & Guard



Ceiling
w/ Enclosed Reflector

VM 150 - 200 WATT METAL HALIDE PULSE CEILING										
DESCRIPTION				5-1/2" OPTIC THREAD SIZE ②			7-3/4" OPTIC THREAD SIZE ②			
WATTS	ANSI	HUB SIZE ③	VOLTAGE ④	GLOBE & GUARD	TYPE I GLASS REFRACTOR & GUARD	TYPE V GLASS REFRACTOR & GUARD	GLOBE & GUARD	TYPE I GLASS REFRACTOR & GUARD	TYPE V GLASS REFRACTOR & GUARD	ENCLOSED REFLECTOR
150	M102	3/4"	Quad Tri 480	VM3P150X2GLG	VM3P150X2R1G	VM3P150X2R5G	VM4P150X2GLG	VM4P150X2R1G	VM4P150X2R5G	VM4P150X2ERN
	M142			VM3P156X2GLG	VM3P156X2R1G	VM3P156X2R5G	VM4P156X2GLG	VM4P156X2R1G	VM4P156X2R5G	VM4P156X2ERN
				VM3P155X2GLG	VM3P155X2R1G	VM3P155X2R5G	VM4P155X2GLG	VM4P155X2R1G	VM4P155X2R5G	VM4P155X2ERN
175	M137	3/4"	Quad Tri 480	VM3P170X2GLG	VM3P170X2R1G	VM3P170X2R5G	VM4P170X2GLG	VM4P170X2R1G	VM4P170X2R5G	VM4P170X2ERN
	M152			VM3P176X2GLG	VM3P176X2R1G	VM3P176X2R5G	VM4P176X2GLG	VM4P176X2R1G	VM4P176X2R5G	VM4P176X2ERN
				VM3P175X2GLG	VM3P175X2R1G	VM3P175X2R5G	VM4P175X2GLG	VM4P175X2R1G	VM4P175X2R5G	VM4P175X2ERN
200	M136	3/4"	Quad Tri 480	VM3P200X2GLG	VM3P200X2R1G	VM3P200X2R5G	VM4P200X2GLG	VM4P200X2R1G	VM4P200X2R5G	VM4P200X2ERN
				VM3P206X2GLG	VM3P206X2R1G	VM3P206X2R5G	VM4P206X2GLG	VM4P206X2R1G	VM4P206X2R5G	VM4P206X2ERN
				VM3P205X2GLG	VM3P205X2R1G	VM3P205X2R5G	VM4P205X2GLG	VM4P205X2R1G	VM4P205X2R5G	VM4P205X2ERN

VM 150 - 200 WATT METAL HALIDE PULSE WALL										
DESCRIPTION				5-1/2" OPTIC THREAD SIZE ②			7-3/4" OPTIC THREAD SIZE ②			
WATTS	ANSI	HUB SIZE ③	VOLTAGE ④	GLOBE & GUARD	TYPE I GLASS REFRACTOR & GUARD	TYPE V GLASS REFRACTOR & GUARD	GLOBE & GUARD	TYPE I GLASS REFRACTOR & GUARD	TYPE V GLASS REFRACTOR & GUARD	ENCLOSED REFLECTOR
150	M102	3/4"	Quad Tri 480	VM3P150B2GLG	VM3P150B2R1G	VM3P150B2R5G	VM4P150B2GLG	VM4P150B2R1G	VM4P150B2R5G	VM4P150B2ERN
	M142			VM3P156B2GLG	VM3P156B2R1G	VM3P156B2R5G	VM4P156B2GLG	VM4P156B2R1G	VM4P156B2R5G	VM4P156B2ERN
				VM3P155B2GLG	VM3P155B2R1G	VM3P155B2R5G	VM4P155B2GLG	VM4P155B2R1G	VM4P155B2R5G	VM4P155B2ERN
175	M137	3/4"	Quad Tri 480	VM3P170B2GLG	VM3P170B2R1G	VM3P170B2R5G	VM4P170B2GLG	VM4P170B2R1G	VM4P170B2R5G	VM4P170B2ERN
	M152			VM3P176B2GLG	VM3P176B2R1G	VM3P176B2R5G	VM4P176B2GLG	VM4P176B2R1G	VM4P176B2R5G	VM4P176B2ERN
				VM3P175B2GLG	VM3P175B2R1G	VM3P175B2R5G	VM4P175B2GLG	VM4P175B2R1G	VM4P175B2R5G	VM4P175B2ERN
200	M136	3/4"	Quad Tri 480	VM3P200B2GLG	VM3P200B2R1G	VM3P200B2R5G	VM4P200B2GLG	VM4P200B2R1G	VM4P200B2R5G	VM4P200B2ERN
				VM3P206B2GLG	VM3P206B2R1G	VM3P206B2R5G	VM4P206B2GLG	VM4P206B2R1G	VM4P206B2R5G	VM4P206B2ERN
				VM3P205B2GLG	VM3P205B2R1G	VM3P205B2R5G	VM4P205B2GLG	VM4P205B2R1G	VM4P205B2R5G	VM4P205B2ERN

① See hazardous application data on pages L131 - L140 for limitations.

② Catalog numbers shown are with guard (except enclosed reflectors); to omit guard, change ending G to N; e.g. VM3P050X2GLN

③ Catalog numbers shown are with 3/4" conduit openings, change 2 to 3 for 1"; e.g. VM3P150X3GLG.

④ Consult catalog logic for other available voltages.

⑤ Add suffix NR for restricted breathing; see page L84 for more information.