



CERTILITE[®]V

The Logical Choice



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

US Listed - File E10514 (Hazardous & Marine)

Certified - File LR11713

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

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
- 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
New ballast tank sizes	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
New "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
"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	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.



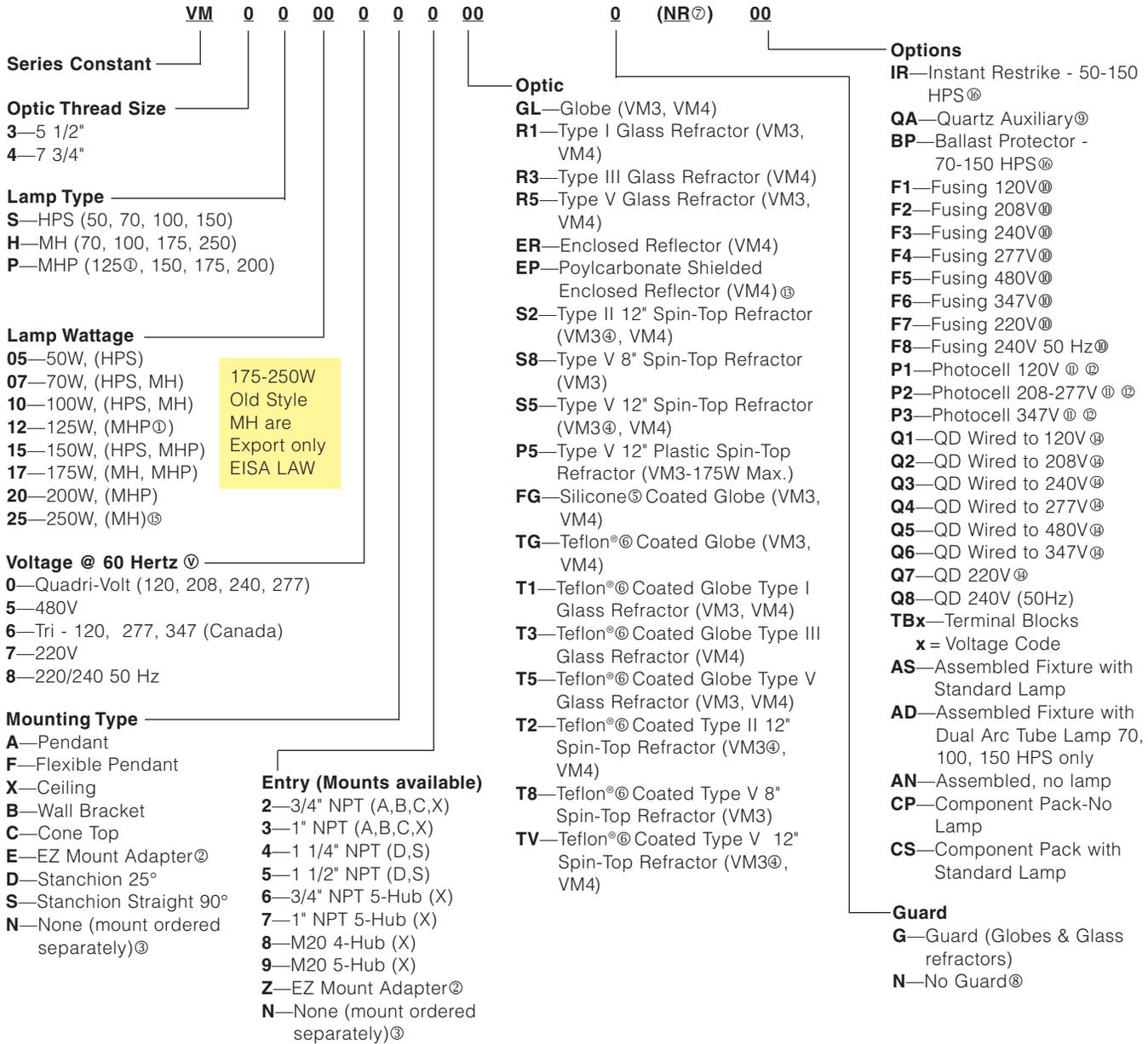
KILLARK[®]

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ⓁⓁ See Thermal Performance Tables beginning L104.



CertiLite®V 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 - See L83.
 ③ NN mount ordered separately.
 ④ 12" Spintops for use with VM3 tanks ship with a Mogul to Mogul socket extender for enhanced photometrics vs. 7 3/4", which are used on VM5, but will fit VM4.
 ⑤ Silicone coated globe for additional impact protection.
 ⑥ Teflon® is a registered trademark of DuPont, Inc.
 ⑦ Consult factory for available lamp and voltage combinations.

⑧ Restricted Breathing - See L54 for more information.
 ⑨ Order Guards for Spin-Tops & VMER40 separately.
 ⑩ QA not suitable for Class I, Div. 2/Zone 2 applications; consult factory for other hazardous applications.
 ⑪ Fusing not for Marine or Canadian installations.
 ⑫ Photo cells for Class I, Div. 2 only, or C1Z2 nR (S), - not Class II.
 ⑬ Field connection to proper tap in case of Multitap Ballasts.
 ⑭ Not for use with wall or straight (90°) Stanchion.
 ⑮ QD = Quick Disconnect. Allows easy tank removal for maintenance. Electrician simply unplugs de-energized ballast from supply circuit.
 ⑯ 220V 60Hz or 230V 50Hz used with QA-requires VM5 tank.
 ⑰ IR and BP cannot be ordered together.



**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**

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Suitable for wet locations
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UL[®] Listed - File E10514 (Hazardous & Marine)

SP[®] Certified - File LR11713

NR Restricted Breathing Option[Ⓞ]

Class I, Zone 2 AEx nAnR **UL[®]**

Class I, Zone 2 Ex nR **SP[®]**

VM 50-150 WATT HIGH PRESSURE SODIUM CEILING										
DESCRIPTION				5-1/2" OPTIC THREAD SIZE [Ⓞ]			7-3/4" OPTIC THREAD SIZE [Ⓞ]			
WATTS	ANSI	HUB SIZE [Ⓞ]	VOLTAGE [Ⓞ]	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
50	S68	3/4"	Quad	VM3S050X2GLG	VM3S050X2R1G	VM3S050X2R5G	VM4S050X2GLG	VM4S050X2R1G	VM4S050X2R5G	VM4S050X2ERN
			Quad	VM3S070X2GLG	VM3S070X2R1G	VM3S070X2R5G	VM4S070X2GLG	VM4S070X2R1G	VM4S070X2R5G	VM4S070X2ERN
70	S62	3/4"	Tri	VM3S076X2GLG	VM3S076X2R1G	VM3S076X2R5G	VM4S076X2GLG	VM4S076X2R1G	VM4S076X2R5G	VM4S076X2ERN
			480	VM3S075X2GLG	VM3S075X2R1G	VM3S075X2R5G	VM4S075X2GLG	VM4S075X2R1G	VM4S075X2R5G	VM4S075X2ERN
			Quad	VM3S100X2GLG	VM3S100X2R1G	VM3S100X2R5G	VM4S100X2GLG	VM4S100X2R1G	VM4S100X2R5G	VM4S100X2ERN
100	S54	3/4"	Tri	VM3S106X2GLG	VM3S106X2R1G	VM3S106X2R5G	VM4S106X2GLG	VM4S106X2R1G	VM4S106X2R5G	VM4S106X2ERN
			480	VM3S105X2GLG	VM3S105X2R1G	VM3S105X2R5G	VM4S105X2GLG	VM4S105X2R1G	VM4S105X2R5G	VM4S105X2ERN
			Quad	VM3S150X2GLG	VM3S150X2R1G	VM3S150X2R5G	VM4S150X2GLG	VM4S150X2R1G	VM4S150X2R5G	VM4S150X2ERN
150	S55	3/4"	Tri	VM3S156X2GLG	VM3S156X2R1G	VM3S156X2R5G	VM4S156X2GLG	VM4S156X2R1G	VM4S156X2R5G	VM4S156X2ERN
			480	VM3S155X2GLG	VM3S155X2R1G	VM3S155X2R5G	VM4S155X2GLG	VM4S155X2R1G	VM4S155X2R5G	VM4S155X2ERN

VM 50-150 WATT HIGH PRESSURE SODIUM WALL										
DESCRIPTION				5-1/2" OPTIC THREAD SIZE [Ⓞ]			7-3/4" OPTIC THREAD SIZE [Ⓞ]			
WATTS	ANSI	HUB SIZE [Ⓞ]	VOLTAGE [Ⓞ]	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
50	S68	3/4"	Quad	VM3S050B2GLG	VM3S050B2R1G	VM3S050B2R5G	VM4S050B2GLG	VM4S050B2R1G	VM4S050B2R5G	VM4S050B2ERN
			Quad	VM3S070B2GLG	VM3S070B2R1G	VM3S070B2R5G	VM4S070B2GLG	VM4S070B2R1G	VM4S070B2R5G	VM4S070B2ERN
70	S62	3/4"	Tri	VM3S076B2GLG	VM3S076B2R1G	VM3S076B2R5G	VM4S076B2GLG	VM4S076B2R1G	VM4S076B2R5G	VM4S076B2ERN
			480	VM3S075B2GLG	VM3S075B2R1G	VM3S075B2R5G	VM4S075B2GLG	VM4S075B2R1G	VM4S075B2R5G	VM4S075B2ERN
			Quad	VM3S100B2GLG	VM3S100B2R1G	VM3S100B2R5G	VM4S100B2GLG	VM4S100B2R1G	VM4S100B2R5G	VM4S100B2ERN
100	S54	3/4"	Tri	VM3S106B2GLG	VM3S106B2R1G	VM3S106B2R5G	VM4S106B2GLG	VM4S106B2R1G	VM4S106B2R5G	VM4S106B2ERN
			480	VM3S105B2GLG	VM3S105B2R1G	VM3S105B2R5G	VM4S105B2GLG	VM4S105B2R1G	VM4S105B2R5G	VM4S105B2ERN
			Quad	VM3S150B2GLG	VM3S150B2R1G	VM3S150B2R5G	VM4S150B2GLG	VM4S150B2R1G	VM4S150B2R5G	VM4S150B2ERN
150	S55	3/4"	Tri	VM3S156B2GLG	VM3S156B2R1G	VM3S156B2R5G	VM4S156B2GLG	VM4S156B2R1G	VM4S156B2R5G	VM4S156B2ERN
			480	VM3S155B2GLG	VM3S155B2R1G	VM3S155B2R5G	VM4S155B2GLG	VM4S155B2R1G	VM4S155B2R5G	VM4S155B2ERN

[Ⓞ] See hazardous application data on pages L108-L111 for limitations.

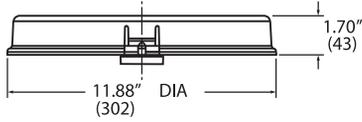
[Ⓞ] Catalog numbers shown are with guard, to omit guard (except enclosed reflector); change ending G to N; e.g. VM3S050X2GLN

[Ⓞ] Catalog numbers shown are with 3/4" conduit openings, change 2 to 3 for 1"; e.g. VM3S050X3GLG.

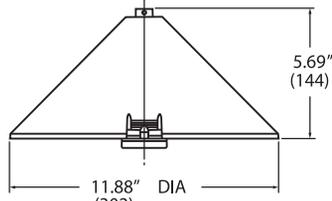
[Ⓞ] Consult catalog logic for other available voltages.

[Ⓞ] Add suffix NR for restricted breathing; see page L54 for more information.

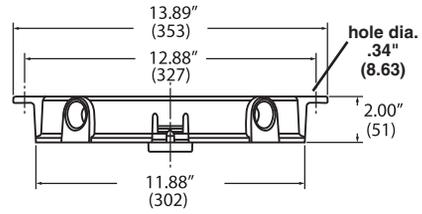




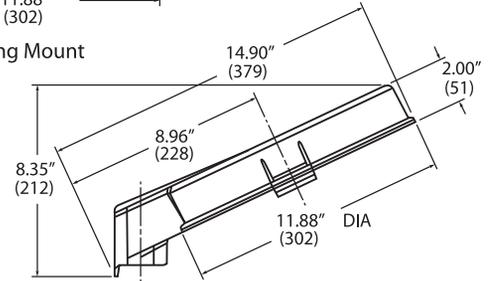
Pendant Mount



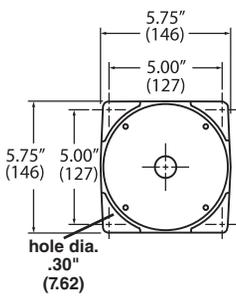
Cone Mount



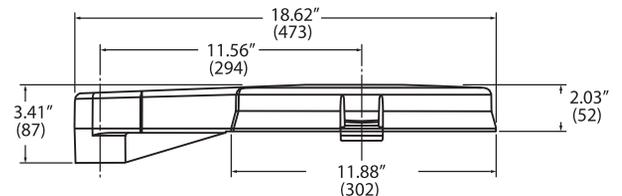
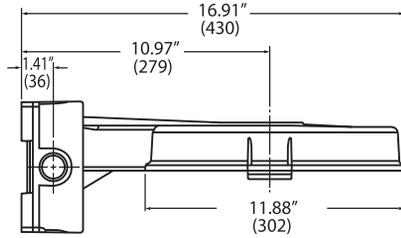
Ceiling Mount



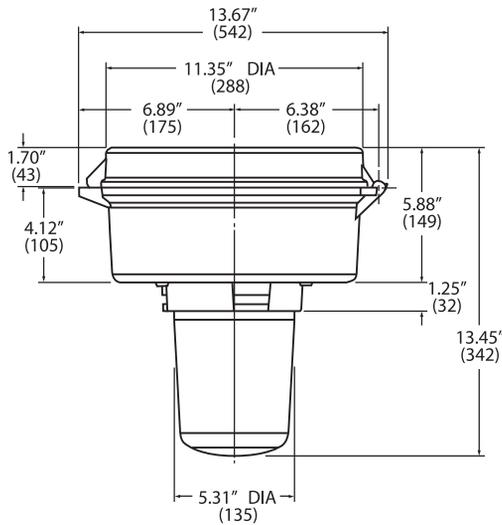
Stanchion(25°) Mount



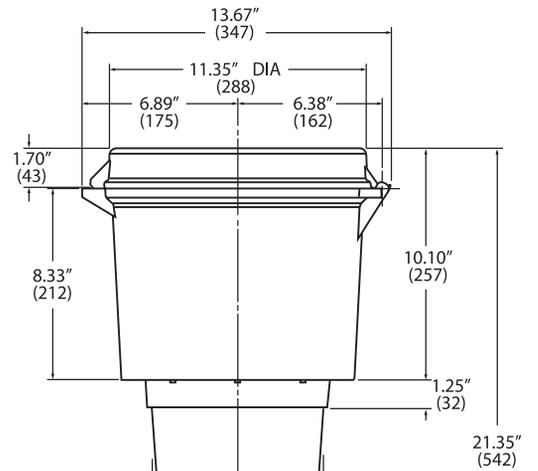
Wall Bracket Mount



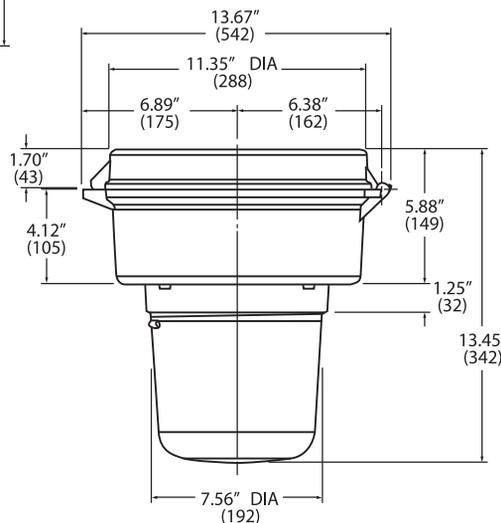
Stanchion(0°) Mount



VM3 Fixture



VM5 Fixture



VM4 Fixture

For VM1 & VM2 height, deduct 1.56" (40mm) from the VM3 or VM4 tank respectively, or overall dimensions with same mount and optic. All other dimensions are the same.

