




CERTILITE®V OPTICS & GUARDS

| |  VM3 Low Wattage 5-1/2" Optic Thread Size | |  VM4 Low Wattage 7-3/4" Optic Thread Size | |  VM5 High Wattage 7-3/4" Optic Thread Size | |
|--|--|--------|---|---------|---|---------|
| DESCRIPTION | OPTICS | GUARD | OPTICS | GUARD | OPTICS | GUARD |
| Globe (glass) | VMG17 | VMAG17 | VMG25 | VMAG25S | VMG40 | VMAG40S |
| Refractor (all glass) Type V | VMR175 | VMAG17 | VMR255 | VMAG25S | — | — |
| Refractor (all glass) Type I | VMR171 | VMAG17 | VMR251 | VMAG25S | — | — |
| Refractor (all glass) Type III | — | — | VMR253 | VMAG25S | — | — |
| Refractor (spin top glass) 8" Type V | VZRG1550 | VMRWG8 | — | — | — | — |
| Refractor (spin top glass) 12" Type V | VZRG2550 | VMRWG | VZRG4050① | VMRWG | VZRG4050 | VMRWG |
| Refractor (spin top glass) 12" Type II | VZRG2520 | VMRWG | VZRG4020① | VMRWG | VZRG4020 | VMRWG |
| Refractor (spin top plastic) 12" Type V | VZRP175 | VMRWG | — | — | — | — |
| Enclosed Reflector (glass lens) | — | — | VMER40 | VMERG | VMER40 | VMERG |
| Enclosed Reflector (plastic lens) | — | — | VMEP40 | — | VMEP40 | — |
| Globe (Tuffskin® coated)⑤ | VMG17F | VMAG17 | VMG25F | VMAG25S | VMG40F | VMAG40S |
| Globe (Teflon® coated)⑤ | VMG17T | VMAG17 | VMG25T | VMAG25S | VMG40T | VMAG40S |
| Refractor (Teflon coated) Type V | VMR175T | VMAG17 | VMR255T | VMAG25S | — | — |
| Refractor (Teflon coated) Type I | VMR171T | VMAG17 | VMR251T | VMAG25S | — | — |
| Refractor (Teflon coated) Type III | — | — | VMR253T | VMAG25S | — | — |
| Refractor (Spin Top Teflon coated) 8" Type V | VZRG1550T | VMRWG8 | — | — | — | — |
| Refractor (Spin Top Teflon coated) 12" Type V | VZRG2550T | VMRWG | VZRG4050T① | VMRWG | VZRG4050T | VMRWG |
| Refractor (Spin Top Teflon coated) 12" Type II | VZRG2520T | VMRWG | VZRG4020T① | VMRWG | VZRG4020T | VMRWG |

OPTICS

GUARDS


① For reference VM5 Spin Top optics fit VM4 tanks, but VM3 tanks and optics are recommended for low wattage Spin Top applications. VM3 12" Spin Tops ship with a mogul-to-mogul extender for improved photometrics.

② Standard material, copper-free aluminum painted.

③ Standard material, 316 stainless steel.

④ Standard material, plated steel.

⑤ Tuffskin® is a registered trademark of Thomas Manufacturing, Co. Teflon® is a registered trademark of DuPont, Inc. Alzak is a registered trademark of Alcoa.

REFRACTOR ALIGNMENT GASKET

| | |
|--------|--|
| VMRG17 | Aligns Type I refractors with conduit when used on VMX mounting boxes. (e.g. aisles) |
| VMRG25 | Aligns Types 1 & 3 refractors with conduit when used on VMX mounting boxes. |

CERTILITE®V REFLECTORS

| | | | | |
|---|---|--|--|---|
|  VMPD40 Standard Dome Fiberglass White Reflector Dia: 16" |  VMPA40 Angle Fiberglass White Reflector Dia: 16" |  HRD400 Deep Aluminum White Reflector Dia: 21" |  HRD400ALZ Deep Aluminum Alzak® finish Reflector Dia: 21" |  VMAGBC Bottom Closure for VMAG25S/VMAG40S |
|---|---|--|--|---|





| PHOTO CONTROL FOR STANDARD AND HAZARDOUS CLASS I DIVISION 2 AREAS② | | | |
|--|-------------|-----------|-------|
| CATALOG NUMBER | VOLTS | FREQUENCY | WATTS |
| HUB2PC120 | 120VAC | 50/60Hz | 400 |
| HUB2PC227③ | 208-277VAC③ | 50/60Hz | 400 |
| HUB2PC347 | 347VAC | 50/60Hz | 440 |

① Must be factory installed. Add P1 (for 120V), P2 (for 208-277V) or P3 (for 347V).

② Photo control cells for Class 1 Division 2 only.

③ Marked 220-277V, suitable for 208V.

* Patent Pending

| SUSPENSION DEVICES④ | | |
|---------------------|---|----------------|
| TANK | DESCRIPTION | CATALOG NUMBER |
| VM3 | VMG17/VMR17X Support 18" Stainless Aircraft Cable secures guard to tank to hold globe in guard (for lamp changing) | VMAG17SC |
| VM4 | VMG25/VMR25X Support 24" Stainless Aircraft Cable and Ring for globes and refractors for lamp changing. Ring clamps to special ears on optic cable twists to attack or detach form housing. | VMGR25SCR |
| VM3, 4 & 5 | 9' plated steel chain with spring hooks. Used to secure tank to building structure. Dead drop limit is 6'. Extra length is for wrapping around structure (I-beam). | VMSC9 |

④ • Optic suspension device for VM5 (VMG40) not available.

• VM3 suspension device attaches to guard (required).

• VM4 suspension device attaches to optic and can be used with or without guard.

| FUSE KITS |
|--|
| See catalog logic for factory installed fuses, or page L78-79 for field installation kits. |

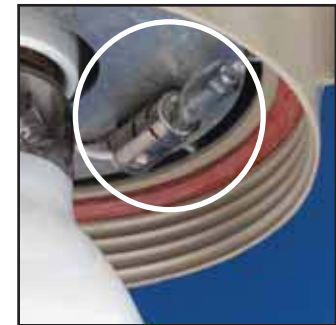
| DARK SKY KITS | | |
|---------------|---------------------|---|
| VMDARK1 | Gasket Kit | On VM4 "Full Cutoff" when used with HRD400 or HRD400ALZ On VM5 "Cutoff" when used with HRD400 or HRD400ALZ |
| VMDARK2 | Spacer & Gasket Kit | On VM5 "Full Cutoff" when used with HRD400 or HRD400ALZ |
| VMER40 | Enclosed Reflector | Enclosed Reflector "Full Cutoff" on VM4 OR VM5 as standard |

Note: CertiLite®V luminaires may be configured for "Full Cutoff", or Semi-Cutoff photometric distribution. See page L41 for pattern descriptions. Local requirements dictate which parameter is required.



VMCHVMB adapter for upgrading existing Crouse-Hinds® to Killark, see page L199 for more information.

Crouse-Hinds is a registered trademark of Cooper Crouse-Hinds, LLC,



Auxiliary Lighting

Momentary voltage outages or dips can temporarily extinguish HID lamps which may require up to ten (10) minutes to restrike. To provide illumination during this period, about 10% of the fixtures should be specified with auxiliary lighting.

Quartz Auxiliary

Quartz auxiliary is available for all CertiLite®V Series fixtures (except those with plastic refractors) by adding the suffix "QA" to the fixture catalog number. Example: VM3S050A2GLG-QA.

Low wattage fixtures with this option use 100 or 150 watt quartz lamps. High wattage fixtures can use up to 250 watt quartz lamps. Quartz lamps are not supplied with the fixture. Use quartz lamp type Q100 CL/DC (100W) or Q150 CL/DC (150W) DC Bayonet T-4 Base.

Due to the quartz envelope surface temperature (exceeding 600°C), fixtures with this option are not suitable for Class I, Division 2, Class I, Zone 2, some Class I, Zone 2 Ex nR, Class II and Class III hazardous locations. Contact the factory for specific fixture suitabilities.

Instant Restrike

Available for low wattage High Pressure Sodium Fixtures by adding Suffix "IR" to catalog number Example: VM3S050A2GLG-IR.

Additional instant restrike interior circuitry may decrease High Pressure Sodium lamp life. Feature will not affect fixture suitability in hazardous location applications.

Ballast Protection Circuit

Optional factory installed special ballast protector replaces the standard HPS ignitor and applies starting pulse to the lamp for 10 to 15 seconds each time voltage is supplied to the ballast. If the lamp has not ignited by the end of the time period, the starter will cease pulsing. Used to eliminate the continuous high voltage pulsing of the ignitor when end of life, lamp cycling, or missing lamp conditions exist. Available for HPS fixtures. Add suffix "BP" to fixture catalog number.

Notes: BP and IR cannot be used together.
QTZ and IR cannot be used together.