



### 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.

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.

SOCKET REPLACEMENTS	
0735015B	Mogul Socket VM3, VM4, VM5
VMBNKIT	Barrel nut and long bolt to adapt CertiLite®V tanks to older CertiLite mounts.

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**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  
NEMA 3, 4, 4X**



## FEATURES-SPECIFICATIONS

### CERTILITE®

#### Applications

VMCHVM adapters are designed to ease upgrading of existing Crouse-Hinds® "VM, LM, DM" series fixtures to Killark "VM" CERTILITE® fixtures. Units are primarily designed to aid replacement of old ceiling or wall mount units where removal of the existing mounting box and conduit would be difficult or time consuming. Adapter & Killark fixtures rated NEMA 4.

Adapters allow the upgrade of older Mercury Vapor fixtures to newer HID lamp sources, Compact Fluorescent Lamps, or to Emergency Lighting such as VEB or VEQ series.

Note: Adapters are used with Fixture Ballast Tanks (plus globes & guards), e.g. VM3S150, VMG17, VMAG17. Complete fixture with mounting splice box is not required. Adapters are painted to match Killark beige fixture finish.

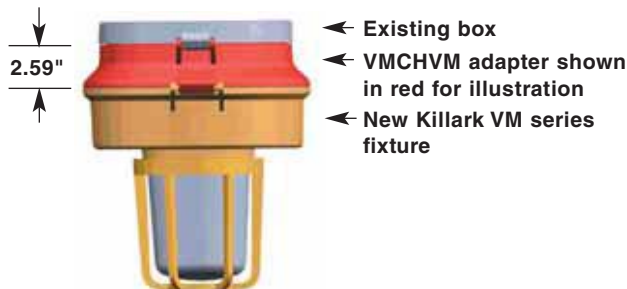
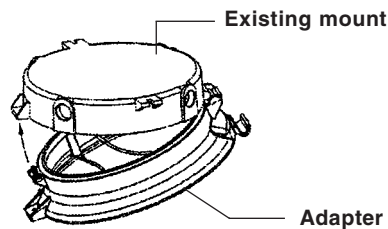
#### Features

- Attachment screws permit secure adapter attachment to old mounting box and to new fixture

#### Temperature codes:

See Certilite®V or VM series product pages or as listed with other desired product series.

VM COMPETITIVE ADAPTER		
CATALOG NUMBER	DESCRIPTION	EXAMPLE OF MODEL UTILIZED OR REPLACED
VMCHXMB	Crouse ceiling mount or wall mount splice box. Adapter allows simple attachment of Killark ballast tank to existing mount.	Ceiling mounts CM2, CM3 Wall mounts TWM2, TWM3



**KILLARK®**