



VQ1F/VQ2F SERIES

KILLARK

CERTILITE® COMPACT FLUORESCENT FIXTURES 13-84 WATT



VM1/Pendant
Globe & Guard



VM2/Ceiling
Globe & Guard



VM1/Wall
Globe & Guard



VM2/Stanchion 25°
Refractor & Guard

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

Certified - File LR11713

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



FEATURES-SPECIFICATIONS



Applications:

CertiLite® VQ1F/VQ2F Series are designed for installations where moisture, dirt, dust, corrosion and vibration may be present, or NEMA 3 and 4X areas and where wind, water, snow or high ambients can be expected. They 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 plants and certain 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.
- Reflectors – lightweight, corrosion resistant fiberglass reinforced polyester, or copper-free aluminum.

Features:

- "World Voltage" Ballast 120 through 277 VAC 50/60Hz
- Six mounting splice box types: Pendant, Ceiling, Wall bracket, Cone Top, 25° Angle Stanchion, Straight Stanchion – in a variety of entry sizes, including M20 for the VMX ceiling style.
- Elevated ambients to 55°C 13W-64W
- Two lamp models have 2 ballasts for separate switching or system redundancy

- Normally shipped as components for fast delivery, or may be ordered factory assembled.
- Options for Fuses and Quick Disconnect
- Tank assemblies include quad-pin lamp

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 <ul style="list-style-type: none"> • Uses ordinary tools • Saves time and labor
	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®. See L54 for more info.
	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 L83 for more info.
	"FULL CUTOFF" & CUTOFF Optics	For "Dark Sky" Requirements. Helps to minimize offending light pollution. See L86 for more info.
	VMEP40 "Food Optic" VQ2F	Expanded Offering for Food or Grain Handling Applications to minimize contamination. See L85 for more info.

Note: VQ1F dimensions are the same as VM1 and VQ2F are same as VM2.

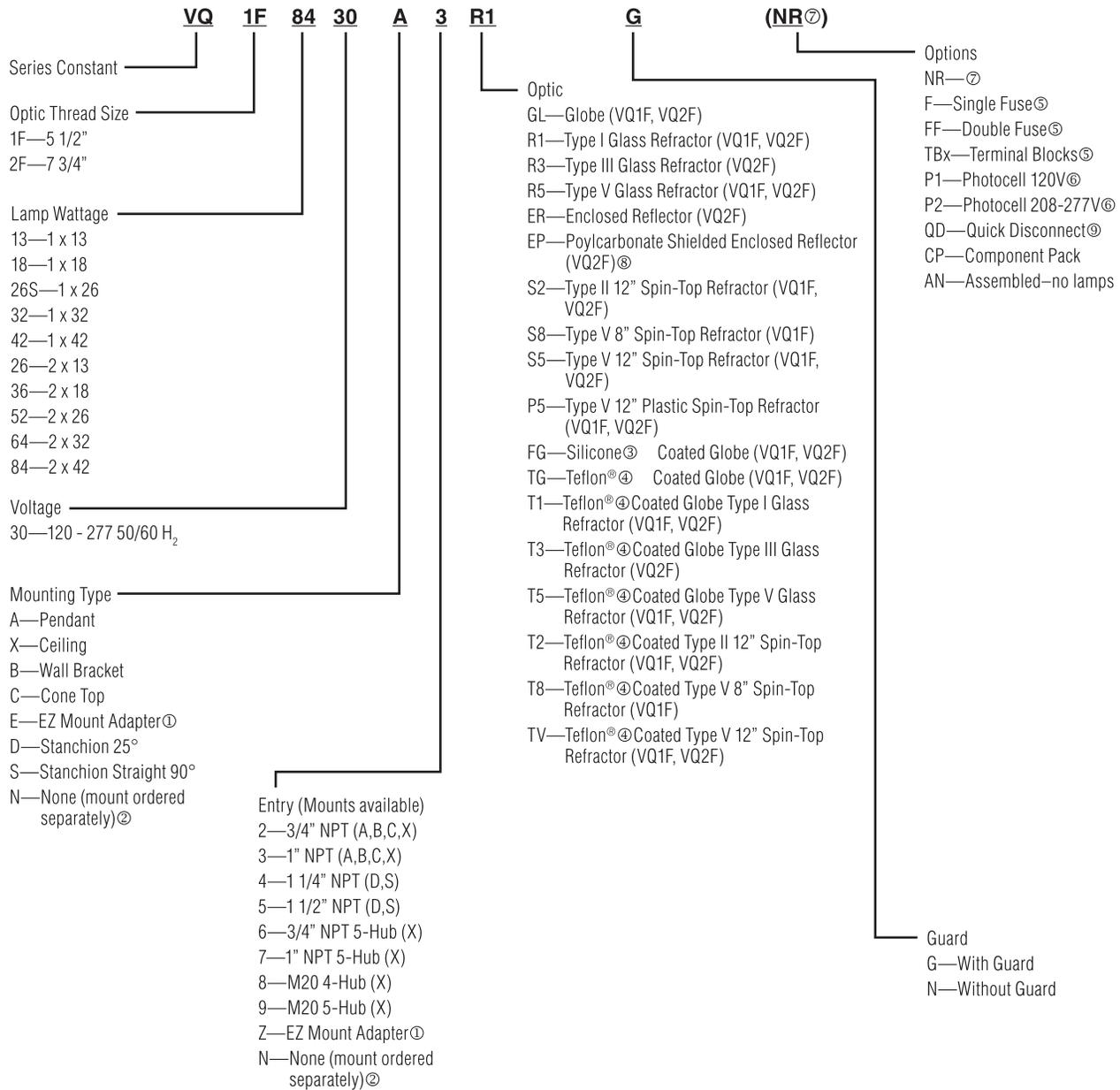
LIGHTING

VQ1F/VQ2F SERIES



CATALOG ORDERING LOGIC

CertiLite® Catalog Number Logic; 13-84 W Compact Fluorescent Fixtures



① Completes as "EZ", conduit mounting boxes ordered separately.
 ② NN mount ordered separately.
 ③ Silicone coated globe for additional impact protection.
 ④ Teflon® is a registered trademark of DuPont, Inc.
 ⑤ Fusing not for Marine or Canadian installations.
 ⑥ Photo cells for Class I, Div. 2 only
 ⑦ Restricted Breathing.
 ⑧ Not for use with wall or straight (90°) Stanchion.

⑧ QD = Quick Disconnect. Allows easy tank removal for maintenance. Electrician simply unplugs de-energized ballast from supply circuit.

LIGHTING

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COMPONENTS/TECHNICAL DATA

MOUNTING SPLICE BOXES							
HUB SIZE	CATALOG NUMBER						
	PENDANT	CEILING 4 HUB	CEILING 5 HUB	WALL	CONE TOP	25 DEGREE STANCHION	90 DEGREE STANCHION
3/4"	VMA2B	VMX2B	VMX6B	VMB2B	VMC2B	—	—
1"	VMA3B	VMX3B	VMX7B	VMB3B	VMC3B	VMD4B	—
1-1/4"	—	—	—	—	—	VMD5B	VMS4B
1-1/2"	—	—	—	—	—	—	VMS5B
M-20	—	VMX8B**	VMX9B	—	—	—	—

* VMEZA is used between a ballast tank and an EZ mount-ordered separately.

** VMX8B furnished with 3 non-metallic plugs.

OPTICS AND GUARDS				
DESCRIPTION	VQ1F LOW WATTAGE 5-1/2" OPTIC THREAD SIZE		VQ2F LOW WATTAGE 7-3/4" OPTIC THREAD SIZE	
	OPTICS	GUARD	OPTICS	GUARD
Globe (glass)	VMG17	VMAG17	VMG25	VMAG25S
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	VZRG4050	VMRWGS
Refractor (spin top glass) 12" Type II	VZRG2520	VMRWG	VZRG4020	VMRWGS
Refractor (spin top plastic) 12" Type V	VZRP175	VMRWG	VZRP175B	VMRWGS
Enclosed Refractor (glass lens)	—	—	VMER40	VMERG
Enclosed Refractor (plastic lens)	—	—	VMEP40	—

BALLAST TANKS ONLY 120 VAC THROUGH 277 VAC 50/60 HZ			
CATALOG NUMBER			
5-1/2" OPTIC	7-3/4" OPTIC	WATTS	LAMPS INCL.
VQ1F1330	VQ2F1330	13	1X13
VQ1F1830	VQ2F1830	18	1X18
VQ1F26S30	VQ2F26S30	26	1X26
VQ1F3230	VQ2F3230	32	1X32
VQ1F4230	VQ2F4230	42	1X42
VQ1F2630	VQ2F2630	26	2X13
VQ1F3630	VQ2F3630	36	2X18
VQ1F5230	VQ2F5230	52	2X26
VQ1F6430	VQ2F6430	64	2X32
VQ1F8430	VQ2F8430	84	2X42

REPLACEMENT LAMPS	
CATALOG NUMBER	DESCRIPTION
MQL13	13W Quad-Pin
MQL18	18W Quad-Pin
MQL26	26W Quad-Pin
MQL32	32W Quad-Pin
MQL42	42W Quad-Pin

LUMEN OUTPUT	
LAMP SOURCE	LUMEN OUTPUT
13 Watt (1X13)	900
18 Watt (1X18)	1200
26 Watt (1X26)	1800
32 Watt (1X32)	2400
42 Watt (1X42)	3200
26 Watt (2X13)	1800
36 Watt (2X18)	2400
52 Watt (2X26)	3600
64 Watt (2X32)	4800
84 Watt (2X42)	6400

© Order splice box, optic and guard separately.

VQ1F/VQ2F BALLAST DATA							
LAMP SOURCE	LAMP WATTS/TYPE	VOLTAGE 60HZ	OPERATING (AMPS)	BALLAST CIRCUIT	REGULATION	MIN. START	
Quad-Pin Fluorescent	13 Watt (1X13)	120-277	.144 (120)/.067 (277)	HPF	Electronic	"5°F (-20°C) 5°F (-15°C)"	
	18 Watt (1X18)		.158 (120)/.073 (277)				
	26 Watt (1X26)		.24 (120)/.11 (277)				
	32 Watt (1X32)	120-277	HPF	.31 (120)/.13 (277)	Electronic	-4°F (-20°C) Watt	
	42 Watt (1X42)						.38 (120)/.18 (277)
	26 Watt (2X13)						
	36 Watt (2X18)	120-277	HPF	.288 (120)/.134 (277)	Electronic	5°F (-15°C)	
	52 Watt (2X26)						.316 (120)/.146 (277)
	64 Watt (2X32)						
84 Watt (2X42)	120-277	HPF	.62 (120)/.26 (277)	Electronic	-4°F (-20°C)		
			.76 (120)/.36 (277)				