

# FV Series Nonmetallic Fluorescent Luminaires

## For Hazardous and Adverse Locations

**NEC/CEC:**  
Class I, Division 2, Groups A, B, C, D  
Class II, Division 2, Groups F, G  
Class I, Zone 2, Group IIC

**NEC/CEC:**  
Marine Type Electric Fixture  
Outside Type (Salt Water)  
Type 4X  
Wet Locations

### Applications

- For use in hazardous locations defined by the NEC and CEC as Class I, Division 2, Groups A, B, C and D; Class II, Division 2, Groups F and G; Marine Outdoor Salt Water; UL1598A and Type 4X. As well as hazardous locations defined by the CEC as Class I, Zone 2 II C.
- For use in locations where a high degree of corrosion resistance is required.
- For indoor or outdoor use where protection against dirt, water and moisture is necessary.
- Typical applications include oil refineries, petrochemical facilities, pulp and paper mills, food processing plants, warehouses, underground tunnels and general manufacturing facilities.

### Features

- Stainless steel hubs (3/4") provided as standard.
- Ballast options for nearly all U.S. and foreign voltage and frequency combinations are available.
- Low operating costs provide more lumens per Watt than incandescent fixtures.
- Impact-resistant polycarbonate lens is hinged to allow easy access to lamp compartment.
- Corrosion-resistant fiberglass reinforced polyester housing.
- Actuator allows access to lamps and ballast compartment – no tools required.
- Latch assembly and elastomer type gasket provide positive seal from water ingress.
- Safety switch (supplied as standard) disconnects power to lamps and ballast when lens is open.
- Reflector is hinged for easy single-handed entry to ballast compartment.
- Actuator can be removed for tamper-resistant applications.

### Standard Materials

- Housing: fiberglass reinforced polyester
- Lens: polycarbonate
- Gasket: elastomer
- Hubs: stainless steel
- Lampholders: polycarbonate
- Internal reflector: highly reflective white polycarbonate
- Fixed surface mount: (2) 14-gauge stainless steel
- Adjustable wall mount: (2) copperfree (4/10 of 1% max.) aluminum
- 45° fixed wall mount: (2) 11-gauge (1/8") stainless steel
- Chain ring bolt: set of 2 zinc plated steel (internal diameter .78")

### Options

- Individually fused ballast. Add suffix **-F**.
- Terminal block. Add suffix **-T**.
- Emergency battery pack. Add suffix **-EL**.
- Emergency light capability in moments of power interruption. Luminaire automatically switches to emergency mode, keeping one lamp illuminated for a minimum of 90 minutes. When AC power is restored, battery automatically recharges in 24 hours. Initial light output is 600-700 lumens.



### NEC/CEC Compliances and Certifications

- UL Standard: UL 1598, UL 844, UL 60079-0, UL 60079-15, Marine Listed UL 1598A ①
- UL Listed: E10794
- CSA Standard: C22.2 No. 250, C22.2 No. 137, CAN E60079-0, CAN E60079-15
- cUL Listed: E10794

① Does not apply to fixtures with fusing.

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**CEC:**  
Class I, Zone 2, Group IIC

	Description	Standard Materials	Catalog Number
	Surface Mount (set of 2)	14-gauge stainless steel	FVSM
	Adjustable Wall Mount (set of 2)	Copperfree (4/10 of 1% max.) aluminum	FVWAM
	Fixed 45° Wall Mount (set of 2)	11-gauge (1/8") stainless steel	FVWFM
	Chain Mount (set of 2)	Zinc plated steel M8 ring bolts (chain not provided)	FVCM

### Technical Data — Thermal Performance of FV Series Fixtures

For supply connection, use wire rated +75 °C (+167 °F).

Fixture	Quantity	Lamp Watt	Lamp Type	Lamp Lumens	Min. Start Temp °C (°F)	Ambient Temp. °C (°F)	"T" Numbers
FVP240BU	2	40	F40BX	3300	-18 (0)	+40 (+104)	T4
FVP240-347 ②	2	40	F40BX	3300	-18 (0)	+40 (+104)	T4
FVP440BU	4	40	F40BX	3300	-18 (0)	+40 (+104)	T4
FVP440-347 ②	4	40	F40BX	3300	-18 (0)	+40 (+104)	T4
FVR232BU	2	32	T8-RS	2850	-18 (0)	+40 (+104)	T6
FVR232-347S0	2	32	T8-RS	2850	-18 (0)	+40 (+104)	T6
FVH244-BU	2	44	T8-HO	4050	-10 (+14)	+40 (+104)	T6
FVH244-347S0 ②	2	44	T8-HO	4050	-10 (+14)	+40 (+104)	T6
FVR240BU	2	40	T12-RS	3050	-18 (0)	+55 (+131)	T4A
FVR240-347SS ②	2	40	T12-HO	3050	+10 (+50)	+55 (+131)	T4A
FVH260BU	2	60	T12-HO	4050	-28 (-20)	+40 (+104)	T4A
FVH260-347SS ②	2	60	T12-HO	4050	-28 (-20)	+40 (+104)	T4A
FVR332BU	3	32	T8-RS	2850	-18 (0)	+40 (+104)	T6

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② Certified to meet the Canadian Electrical Code (CEC) only.