

6L FVN Series Fluorescent Luminaires

Cl. I, Div. 2, Groups A, B, C, D
Cl. I, Zone 2, Group IIC
Cl. II, Div. 1, Groups F, G
Cl. III & Simultaneous Presence

Wet Locations
NEMA 3, 3R

Applications:

FVN Luminaires are ideal for use:

- In areas made hazardous by the abnormal conditions resulting in the presence of flammable vapors or gases and combustible dusts as defined by the National Electrical Code®
- Where broken lamps would damage machinery or processes, or harm people working in the area
- In areas where stringent sanitation requirements exist

Features:

- One-piece seamless sheet steel housing with welded end caps keeps dirt, dust and moisture away from ballast and lamps; easy to clean
- A silicone rubber gasket provides a dust-tight seal between the lens/frame assembly and housing
- Lens/frame assembly is hinged and wireway cover is held by safety chain for ease of lamp replacement and maintenance
- Polyester powder coat finish provides high reflectance and corrosion resistance for long life and dependable service
- Two 1/2" NPT pendant hubs and two 1/2" NPT thru-feed end hubs are standard
- Electronic ballast is standard on 32 and 54 watt luminaires (/UNV only)

FVN Fluorescent Luminaires with T5 HO lamps offer:

- High lumen output per watt – provides energy savings versus other higher wattage fluorescent luminaires with similar lumen output
- Longer lamp life and good lumen maintenance – reduced maintenance and lamp replacement costs

Certifications and Compliances:

- NEC and CEC:
Class I, Division 2, Groups A, B, C, D
Class I, Zone 2, Group IIC
Class II, Division 1, Groups F, G
Class III
Simultaneous Presence (Cl. I and Cl. II)
- UL Standards:
844 Hazardous (Classified) Areas
1598 Luminaires
- CSA Standards:
C22.2 No. 137



Standard Materials:

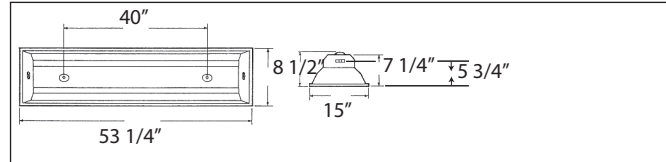
- Luminaire housing – 20-gauge seamless sheet steel
- Lens/frame assembly – stainless steel
- Glass – 3/16" tempered
- Suspension flanges – seamless sheet steel
- Gaskets – silicone
- Lampholders – white thermoset plastic
- Clamps – stainless steel

Standard Finishes:

- Reflector housings – corrosion-resistant white polyester powder coat
- Lens/frame – natural

Dimensions

In Inches:



Ordering Information (Lamps not supplied):

Lamp Watts	Line Voltage/Hertz	Lamp Type	Hub Size	2-Lamp Cat. #	3-Lamp Cat. #
32	120-277/50-60	T8	1/2 NPT	FVN4232TG/UNV	FVN4332TG/UNV
32	347 / 60	T8	1/2 NPT	FVN4232TG/347	FVN4332TG/347
40	120 / 50-60	T12	1/2 NPT	FVN4240TG/120	FVN4340TG/120
40	277 / 60	T12	1/2 NPT	FVN4240TG/277	FVN4340TG/277
40	347 / 60	T12	1/2 NPT	FVN4240TG/347	FVN4340TG/347
60	120 / 60	T12HO	1/2 NPT	FVN4260TG/120	—
60	277 / 60	T12HO	1/2 NPT	FVN4260TG/277	—
60	347 / 60	T12HO	1/2 NPT	FVN4260TG/347	—
60	220 / 50	T12HO	1/2 NPT	FVN4260TG/200 50	—
FVN Fluorescent Luminaires with T5 HO Lamps (Lamps not supplied)					
54	120-277/50-60	T5HO	1/2 NPT	FVN4254TG/UNV	—
54	347 / 60	T5HO	1/2 NPT	FVN4254TG/347	—

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6L

Options:

The following special options are available from the factory by adding suffix to luminaire Cat. No.:

Description

- Low temperature electromagnetic ballast, 40W rated 0°F (-18°C), 60W rated -20°F (-29°C).....
- 45° angle brackets (field installed).....
- Adjustable angle brackets (field installed).....
- Angle bars for chain suspension (field installed).....
- Individually fused ballast (internal).....
- Emergency lighting battery unit (Class I, Division 2 only). Also available for use with T5 lamps. Supplied with charging indicator light and instructions for use with a remote push-to-test station.....

Suffix
BY
AG
KH
CX
FB

S799*

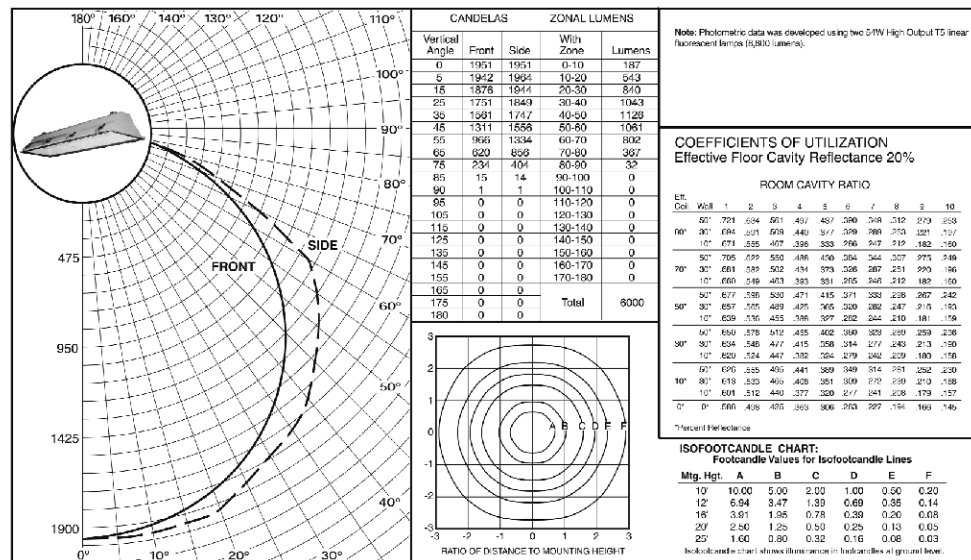
Temperature Performance Data: (Based on 40°C ambient)

Lamp	Cl. I, Div. 2 & Zone 2		Class II		Simultaneous Presence		Supply Wire
	2-Lamp	3-Lamp	2-Lamp	3-Lamp	2-Lamp	3-Lamp	
32W	T5	T5	T6	T6	T4	T4	60°C
40W	T5	T5	T6	T6	T4	T4	60°C
54W	T3C	—	T6	—	T3C/T6	—	75°C
60W	T4	—	T6	—	T4	—	90°C

Photometric Data:

Luminaire with two 54W High Output T5 Linear Fluorescent Lamps
FDN4254

Luminaire with two 54W High Output T5 Linear Fluorescent Lamps
FDN4254



FDN .ies photometric files for use with our Luxicon® Lighting Layout Software are available from our website.