

DMVFB Emergency Compact Fluorescent

Continuous Operation Champ® Luminaires

Cl. I, Div. 2, Groups A, B, C, D
 Restricted Breathing Cl. I,
 Div. 2 & Zone 2 (Suffix S826)
 Certified for IEC Zone 2
 (Suffix S826TB)

Cl. II, Groups E, F, G; Cl. III &
 Simultaneous Presence
 Marine & Wet Locations
 3, 3R, 4, 4X; IP66
 Emergency Lighting

9L

Applications:

DMVF Series Champ Lighting Luminaires are used:

- Where emergency lighting is required to permit workers in industrial areas to safely encounter their surroundings during power failures
- Where emergency egress lighting is required, such as: catwalks, walkways, tunnels, doorways, stairs, stairwells, ramps, and aisles
- In areas made hazardous by abnormal conditions resulting in the presence of flammable vapors or gases
- In areas made hazardous by the presence of combustible dusts
- Where combustible dusts and flammable vapors are present simultaneously
- In marine applications where water spray and corrosive atmospheres are considerations
- On installations where vibration and rough usage are problematic
- Where a cool, efficient light source is required
- In areas that require lamps to reach full illumination immediately
- In refineries, chemical and petrochemical facilities, grain processing, handling or storage facilities, manufacturing plants, wastewater treatment plants, sewage treatment plants, oil terminals, food processing facilities, breweries, and any other manufacturing or processing facility where safe, reliable hazardous area fluorescent or auxiliary lighting is needed

Standard Features:

- Housings made of die cast copper-free aluminum (less than 0.4 of 1% copper) for strength and resistance to corrosion
- Mounting modules equipped with integral hub set screws for vibration resistance (ceiling, pendant, and quad mounts)
- Hubs are provided with an integral conduit stop and bushing to help prevent damage to field wiring during installation
- Epoxy powder finish and stainless steel external hardware for resistance to corrosion
- Long-life gaskets which provide seals between mounting module, housing, and optical assembly
- Grounding wire for safety
- Cool operating design
- Optional stainless steel open bottom guard permits direct access to the globe for easy relamping
- Battery pack ballast for emergency lighting

Certifications and Compliances:

- NEC/CEC:
 - Class I, Division 2, Groups A, B, C, D
 - Class II, Class III & Simultaneous Presence (Class I, Division 2 and Class II)
 - Class I, Zone 2
 - Emergency Lighting
- IEC:
 - Zone 2 Ex nR IIC
- UL Standards:
 - 844, 2279 Hazardous (Classified) Locations
 - 1598 Luminaires
 - 1598A Marine Locations
 - 924 Emergency Lighting
- CSA Standards:
 - C22.2 No. 137
- IEC Standards:
 - 60079-15

Standard Materials:

- Ballast housings and mountings – copper-free aluminum (less than 0.4 of 1%)
- External hardware guards – stainless steel
- Reflectors – Krydon® fiberglass-reinforced polyester material
- Globe – heat- and impact-resistant internally fluted glass

Standard Finishes:

- Aluminum – gray epoxy powder coat
- Krydon material – high reflectance white
- Stainless steel – natural

Options:

Description	Suffix
• Restricted breathing construction.....	S826
-Class I, Division 2 & Zone 2 suitability	
-Cooler operating temperatures (T-numbers)	
• Certified for IEC Zone 2.....	S826TB
-Furnished with: Terminal Block Crimp Terminals	
• Emergency operation only – Consult Eaton's Crouse-Hinds	
• Factory assembled with lamp installed.....	FA
• Fused – to protect ballast against abnormal line conditions (not for use in Canada) (not for marine use).....	S658
• Lamps supplied with luminaire...	S714
• Top hat with stainless steel threaded insert to attach ballast housing.....	S806
• TEFLON® coating on globe for increased shatter protection.....	S808



Electrical Rating Ranges:

- 52, 64, and 84 watts
- 120-277V, 50/60 Hz

Accessories:

(Order separately)

Description	Cat. #
Dome	RD739
30° Angle	RA739

Energy Savings

- Less wattage used with compact fluorescent lamps compared to equivalent incandescent lamps providing the same light output

About the Battery (DMVFB Units):

- Bodine fluorescent battery pack ballasts are UL component recognized
- Sealed, maintenance-free, high temperature nickel cadmium
- Solid state chargers are sealed inside the ballast case
- 90 minute illumination time
- 10-year life expectancy
- 2-year full warranty
- During auxiliary use 1 lamp has continuous operation
- A red indicator light indicates the battery is charging
- Wiring instructions for a "Push-to-Test" button is supplied with the fixture

9L

DMVFB Emergency Compact Fluorescent

Continuous Operation
Champ® Luminaires

Cl. I, Div. 2, Groups A, B, C, D
Restricted Breathing Cl. I,
Div. 2 & Zone 2 (Suffix S826)
Certified for IEC Zone 2
(Suffix S826TB)

Cl. II, Groups E, F, G; Cl. III &
Simultaneous Presence
Marine & Wet Locations
3, 3R, 4, 4X; IP66
Emergency Lighting

**DMVFB Series
Fluorescent with Battery
Back-Up with G303 Globe
and P33 Guard
Cat. #**



Mounting Style	Hub Size (In.)	Lamp Watts	Cat. #
Pendant Mount	3/4	52	DMVFB2A052GP
	1	52	DMVFB3A052GP
	3/4	64	DMVFB2A064GP
	1	64	DMVFB3A064GP
	3/4	84	DMVFB2A084GP
	1	84	DMVFB3A084GP



Flexible Pendant Mount	3/4	52	DMVFB2HA052GP
	3/4	64	DMVFB2HA064GP
	3/4	84	DMVFB2HA084GP



Ceiling Mount Thru-Feed	3/4	52	DMVFB2C052GP
	1	52	DMVFB3C052GP
	3/4	64	DMVFB2C064GP
	1	64	DMVFB3C064GP
	3/4	84	DMVFB2C084GP
	1	84	DMVFB3C084GP



Wall Mount Thru-Feed	3/4	52	DMVFB2TW052GP
	1	52	DMVFB3TW052GP
	3/4	64	DMVFB2TW064GP
	1	64	DMVFB3TW064GP
	3/4	84	DMVFB2TW084GP
	1	84	DMVFB3TW084GP



Quad-Mount Pendant, Adjustable Thru-Feed, 25° Angle, 12 1/2° Angle	3/4	52	DMVFB25Q052GP
	3/4	64	DMVFB25Q064GP
	3/4	84	DMVFB25Q084GP



Stanchion Mount 25° Angle	1 1/2	52	DMVFBJ052GP
	1 1/2	64	DMVFBJ064GP
	1 1/2	84	DMVFBJ084GP



Stanchion Mount Straight	1 1/2	52	DMVFBP052GP
	1 1/2	64	DMVFBP064GP
	1 1/2	84	DMVFBP084GP

Note: For technical information on family trees, temperature performance data, dimensions, weights, and photometrics, refer to Series in Section 5L.

1. Catalog numbers are basic numbers. Voltage must be specified.

Standard Voltage Ballasts

1. Voltage Suffix	NEC/UL & cUL 120-277V 50-60 Hz /UNV	CEC/CSA (cUL) 120V/60 Hz /120CAN
-------------------	-------------------------------------------	----------------------------------------