

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

10L

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 Cooper-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
S714 |
| • Lamps supplied with luminaire...
• 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
- 347V, 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

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Mounting Style	Hub Size (In.)	Lamp Watts	DMVFB Series Fluorescent with Battery Back-Up with G303 Globe and P33 Guard Cat. #
Pendant Mount	3/4	52	DMVFB2A052GP
	1		DMVFB3A052GP
	3/4	64	DMVFB2A064GP
	1		DMVFB3A064GP
	3/4	84	DMVFB2A084GP
	1		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		DMVFB3C052GP
	3/4	64	DMVFB2C064GP
	1		DMVFB3C064GP
	3/4	84	DMVFB2C084GP
	1		DMVFB3C084GP
Wall Mount Thru-Feed	3/4	52	DMVFB2TW052GP
	1		DMVFB3TW052GP
	3/4	64	DMVFB2TW064GP
	1		DMVFB3TW064GP
	3/4	84	DMVFB2TW084GP
	1		DMVFB3TW084GP
Quad-Mount	3/4	52	DMVFB25Q052GP
Pendant, Adjustable	3/4	64	DMVFB25Q064GP
Thru-Feed, 25° Angle, 12 1/2° Angle	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 6L.

10L

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

Standard Voltage Ballasts

	NEC/UL	CEC/CSA (cUL)	
1. Voltage Suffix	120-277V 50-60 Hz /UNV	120V/60 Hz /120CAN	347V 60 Hz /347