

Champ DMVFB emergency compact fluorescent luminaires

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

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

9L

Applications:

Champ® DMVFB 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

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 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:

- UL844, UL2279 – Hazardous (Classified) Locations
- UL1598 – Luminaires
- UL1598A – Marine Locations
- UL924 – Emergency Lighting

CSA standard:

- C22.2 No. 137

IEC standard:

- 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
- Globe – heat- and impact-resistant internally fluted glass

Standard finishes:

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

About the battery:

- 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
- During auxiliary use, one 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

Energy savings

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



Electrical ratings:

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

Photometrics:

- Complete photometrics can be found at www.crouse-hinds.com/photometrics

Options:

Description	Suffix
• Restricted breathing construction <i>Class I, Division 2 & Zone 2 suitability Cooler operating temperatures (T-codes)</i>	S826
• Certified for IEC Zone 2..... <i>Furnished with terminal block and crimp terminals</i>	S826TB
• Factory assembled with lamp installed.....	FA
• Fused – to protect ballast against abnormal line conditions..... <i>Not for use in Canada Not suitable for marine applications</i>	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

Accessories (ordered separately):

Description	Cat. #
• Dome reflector	RD739
• 30° angle reflector	RA739





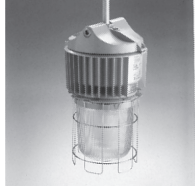


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Ordering information:

	BASIC CATALOG NUMBER			
	Mounting style	Hub size	Lamp watts	Cat. # With battery back-up, G303 globe and P33 guard
	Pendant mount	3/4"	52	DMVFB2A052GP
		1"		DMVFB3A052GP
		3/4"	64	DMVFB2A064GP
				1"
		3/4"	84	DMVFB2A084GP
				1"
	Flexible pendant mount	3/4"	52	DMVFB2HA052GP
		3/4"	64	DMVFB2HA064GP
		3/4"	84	DMVFB2HA084GP
	Ceiling mount through feed	3/4"	52	DMVFB2C052GP
				1"
		3/4"	64	DMVFB2C064GP
				1"
		3/4"	84	DMVFB2C084GP
				1"
	Wall mount through feed	3/4"	52	DMVFB2TW052GP
				1"
		3/4"	64	DMVFB2TW064GP
				1"
		3/4"	84	DMVFB2TW084GP
				1"
	Quad mount Pendant, adjustable through 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

Complete catalog number as follows:

Standard voltage ballasts

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

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Temperature performance data:

Type	Watts	Minimum operating temp.	Maximum ambient	Class I		Class II	Simultaneous presence		Supply wire °C
				Non-restricted breathing	Restricted breathing		Non-restricted breathing	Restricted breathing	
				Div. 2	Zone 2 or Div. 2	Div. 1	Class I, Div. 2; Class II	Class I, Zone 2 or Div. 2; Class II	
Fluorescent	52	-20°C (4°F)	40°C (104°F)	T3	T6	T6	T3 / T6	T6	60
	64	-20°C (4°F)	40°C (104°F)	T3	T6	T6	T3 / T6	T6	60
	84	-20°C (4°F)	40°C (104°F)	T3	T6	T6	T3 / T6	T6	60

T6