

# Hazard-Gard EVLPFB emergency compact fluorescent luminaires

Cl. I, Div. 1, Groups B (with suffix GB), C, D  
Cl. I, Zone 1, Groups IIB + H<sub>2</sub> (with suffix GB), IIB, IIA  
Cl. II, Div. 1, Groups E, F, G  
Cl. III & Simultaneous Presence

Marine & Wet Locations  
3, 3R, 4, 4X; IP66

9L

## Applications:

Hazard-Gard® EVLPFB low profile luminaires are used in:

- Areas that require lamps to reach full illumination immediately
- Where emergency lighting is required to permit workers in industrial areas to safely encounter their surroundings during power failures
- Where emergency lighting is required, such as: catwalks, walkways, tunnels, doorways, stairs, stairwells, ramps and aisles
- Areas where flammable or explosive vapors or gases are present
- Hazardous areas, both indoors and outdoors, where long life and low maintenance costs are desired
- Petroleum refineries, chemical, petrochemical and pharmaceutical plants, oil terminals, gas plants and other heavy process industry facilities
- Waste treatment facilities
- Drilling platforms and other coastal and offshore hazardous areas

## Features:

- Small, compact size
- Two start Acme threaded construction
- Easier assembly, installation and maintenance
- Lightweight copper-free aluminum housing with powdered epoxy finish
- All exterior hardware is corrosion-resistant stainless steel
- Four mounting arrangements: pendant, ceiling, wall bracket and stanchion
- Integral ballast
- High power factor (90%+) ballasts
- Uses same mounting modules as the standard Hazard-Gard
- Internally fluted glass globes
- Krydon construction dome and angle reflectors – won't rust, corrode, dent, chip or peel
- Now available in components – luminaire body, mounting module, guard, reflectors
- Three-wire construction
- For energy conservation, luminaires can be switched off without affecting the emergency operation feature



## Certifications and compliances:

### NEC/CEC:

- Class I, Division 1, Groups B (with suffix GB), C, D
- Class I, Zone 1, Groups IIB + H<sub>2</sub> (with suffix GB), IIB, IIA
- Class II, Class III & Simultaneous Presence (Class I and Class II)
- Emergency lighting

### UL standards:

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

### CSA standard:

- C22.2 No. 137

## Standard materials:

- Mounting modules, cover, ballast housing and globe holder – copper-free aluminum
- Globe – heat- and impact-resistant glass
- Exterior hardware – stainless steel
- Reflectors – Krydon fiberglass-reinforced polyester
- Guard – stainless steel

## Standard finishes:

- Copper-free aluminum – Corro-free powdered epoxy
- Krydon – white

## 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 emergency 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:

### Sources/wattage:

- Fluorescent continuous operation emergency lighting 52W (two 26W lamps) and 64W (two 32W lamps) compact fluorescent voltages
- Fluorescent emergency lighting: 120-277V, 50/60 Hz  
120V, 60 Hz

### Conduit entries:

- ¾", 1" NPT – pendant, wall bracket, ceiling mount
- 1¼" NPT – stanchion mount

## Photometrics:

- Complete photometrics can be found at [www.crouse-hinds.com/photometrics](http://www.crouse-hinds.com/photometrics)

## Options:

- | Description                                 | Suffix                  |
|---|-------------------------|
| • Group B suitability .....                 | <b>GB</b>               |
| • Fused .....                               | <b>S658<sup>Ⓐ</sup></b> |
| <i>Not for use in Canada</i>                |                         |
| <i>Not suitable for marine applications</i> |                         |
| • Factory assembled with lamps.....         | <b>FA</b>               |

## Accessories (ordered separately):

- | Description             | Cat. #       |
|-------------------------|--------------|
| • Dome reflector .....  | <b>RD739</b> |
| • Angle reflector ..... | <b>RA739</b> |

<sup>Ⓐ</sup>When ordering fuses for luminaires, you must specify the operating voltage.

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## Ordering information:



Pendant mount

Watts	Hub size	Pendant	Wall bracket <sup>Ⓟ</sup>	Ceiling <sup>Ⓟ</sup>	Stanchion	Luminaire body less mounting module and guard
		Cat. # With guard	Cat. # With guard	Cat. # With guard	Cat. # With guard	
<b>Fluorescent with emergency ballast – high power factor ballast (min. P.F. 90%)</b>						
52	3/4"	EVLPFBA02521	EVLPFBBX02521	EVLPFBCX02521		EVLPFB0520
	1"	EVLPFBA03521	EVLPFBBX03521	EVLPFBCX03521		
	1 1/4"				EVLPFBJ04521	
64	3/4"	EVLPFBA02641	EVLPFBBX02641	EVLPFBCX02641		EVLPFB0640
	1"	EVLPFBA03641	EVLPFBBX03641	EVLPFBCX03641		
	1 1/4"				EVLPFBJ04641	

### Complete catalog number as follows:

Standard voltage ballasts

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

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



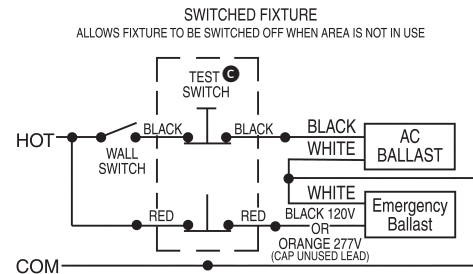
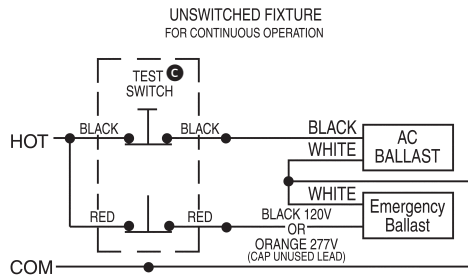
Wall bracket mount<sup>Ⓟ</sup>

## EVLPFB fluorescent emergency lighting:

- Three-wire construction, for switching purposes, is standard on fluorescent emergency lighting
- For energy conservation, luminaires can be switched off without affecting the emergency operation feature



Ceiling mount<sup>Ⓟ</sup>



Stanchion mount

<sup>Ⓟ</sup>Ceiling and wall bracket mounts have four hubs; three are plugged.

<sup>Ⓢ</sup>Test switch is remote mounted. Use Eaton's Crouse-Hinds series EDSC218 (not furnished).

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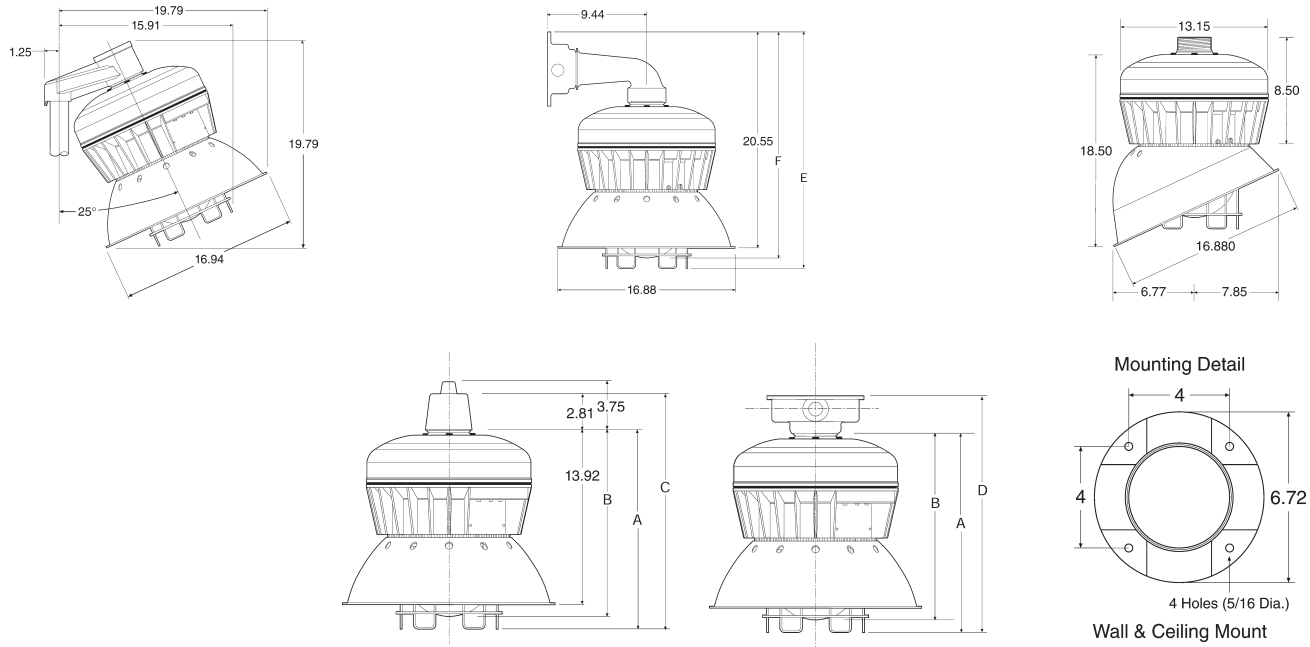
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### Temperature performance data:

Type	Watts	Minimum operating temp.	Class I, Groups B (with suffix GB), C, D; Class I, Zone 1	Class II, Groups E, F, G; Class III; Simultaneous Presence	Supply wire °C
			40°C	40°C	
Fluorescent	52	-18°C	T6	T6	75
	64	-18°C	T6	T6	75

### Dimensions (in inches):



Type	A	B	C	D	E	F
Fluorescent	15.69	14.69	18.25	18.46	22.34	21.30

9L