

# Hazard-Gard EVLPF 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

5L

## Applications:

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

- 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
- 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
- Wide range of light sources and wattages
- Marine and NEMA 4X construction
- 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 is standard on fluorescent emergency lighting
- Perfect where low mounting restrictions are a concern
- Easier assembly, installation and maintenance
- Superior corrosion resistance
- Suits any lighting layout
- Meets specific lighting needs
- Outdoor, hose down, marine and corrosive environments suitable
- Lowest installed cost
- Allows more luminaires per circuit
- Easy retrofitting when the EVLPF is the preferred choice
- Reduces glare and distributes light evenly – ideal for adverse environments typical of industrial facilities
- 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)

### UL standards:

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

### CSA standard:

- C22.2 No. 137

## Standard materials:

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

## Standard finishes:

- Copper-free aluminum – Corro-free epoxy powder coat
- Krydon – high reflectance white

## Electrical ratings:

### Sources/wattage:

- 52W (two 26W lamps); 64W (two 32W lamps)
- 120-277V, 50-60 Hz
- 347V, 60 Hz

### Conduit entries:

- 3/4", 1" NPT – pendant, wall bracket, ceiling mount
- 1 1/4" 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 .....                 | GB     |
| • Fused .....                               | S658   |
| <i>Not suitable for marine applications</i> |        |
| • Factory assembled with lamps .....        | FA     |

## Accessories (ordered separately):

| Description             | Cat. #   |
|-------------------------|----------|
| • Dome reflector .....  | RD739    |
| • Angle reflector ..... | RA739    |
| • Exit sign .....       | DMVF-EXD |

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## Ordering information:



Pendant mount

|                                                         |             | Pendant              | Wall bracket <sup>A</sup> | Ceiling <sup>A</sup> | Stanchion            | Luminaire body<br>less mounting<br>module and guard |
|---------------------------------------------------------|-------------|----------------------|---------------------------|----------------------|----------------------|-----------------------------------------------------|
| Watts                                                   | Hub<br>size | Cat. #<br>With guard | Cat. #<br>With guard      | Cat. #<br>With guard | Cat. #<br>With guard |                                                     |
| Fluorescent – high power factor ballast (min. P.F. 90%) |             |                      |                           |                      |                      |                                                     |
| 52                                                      | 3/4"        | EVLPPFA02521         | EVLPPFBX02521             | EVLPPFCX02521        |                      | EVLPPF0520                                          |
|                                                         | 1"          | EVLPPFA03521         | EVLPPFBX03521             | EVLPPFCX03521        |                      |                                                     |
|                                                         | 1 1/4"      |                      |                           |                      | EVLPPFJ04521         |                                                     |
| 64                                                      | 3/4"        | EVLPPFA02641         | EVLPPFBX02641             | EVLPPFCX02641        |                      | EVLPPF0640                                          |
|                                                         | 1"          | EVLPPFA03641         | EVLPPFBX03641             | EVLPPFCX03641        |                      |                                                     |
|                                                         | 1 1/4"      |                      |                           |                      | EVLPPFJ04641         |                                                     |



Wall bracket  
mount<sup>A</sup>

|                                                         |          | Pendant                 | Wall bracket <sup>A</sup> | Ceiling <sup>A</sup>    | Stanchion               |
|---------------------------------------------------------|----------|-------------------------|---------------------------|-------------------------|-------------------------|
| Watts                                                   | Hub size | Cat. #<br>Without guard | Cat. #<br>Without guard   | Cat. #<br>Without guard | Cat. #<br>Without guard |
| Fluorescent – high power factor ballast (min. P.F. 90%) |          |                         |                           |                         |                         |
| 52                                                      | 3/4"     | EVLPPFA02520            | EVLPPFBX02520             | EVLPPFCX02520           |                         |
|                                                         | 1"       | EVLPPFA03520            | EVLPPFBX03520             | EVLPPFCX03520           |                         |
|                                                         | 1 1/4"   |                         |                           |                         | EVLPPFJ04520            |
| 64                                                      | 3/4"     | EVLPPFA02640            | EVLPPFBX02640             | EVLPPFCX02640           |                         |
|                                                         | 1"       | EVLPPFA03640            | EVLPPFBX03640             | EVLPPFCX03640           |                         |
|                                                         | 1 1/4"   |                         |                           |                         | EVLPPFJ04640            |

## Complete catalog number as follows:

Standard voltage ballasts

|                | NEC/UL and CEC/CSA (cUL) | CEC/CSA (cUL) |
|----------------|--------------------------|---------------|
| <b>Voltage</b> | 120-277V, 50/60 Hz       | 347V, 60 Hz   |
| <b>Suffix</b>  | /UNV                     | /347          |



Ceiling mount<sup>A</sup>



Stanchion mount

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

# Hazard-Gard EVLPPF

## compact fluorescent luminaires

Ordering by components

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**EVLPPF luminaires are available in components.**

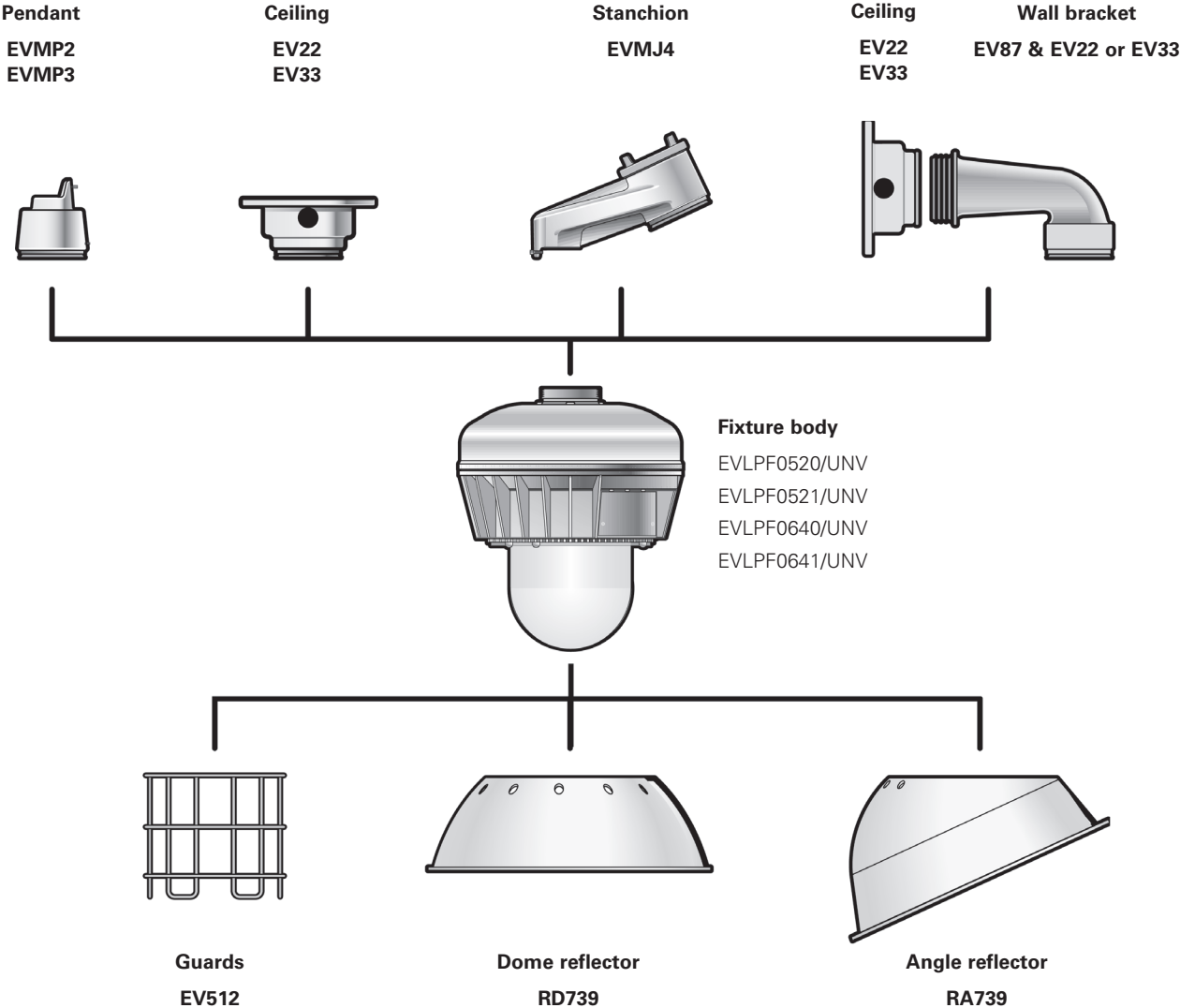
A complete luminaire consists of:

- I. Mounting module
- II. Luminaire body
- III. Guard, reflector or exit sign

### Mounting modules:

| Type                       | Conduit size                   | Cat. # |
|----------------------------|--------------------------------|--------|
| Pendant mount              | 3/4"                           | EVMP2  |
|                            | 1"                             | EVMP3  |
| Ceiling mount and wall box | 3/4"                           | EV22   |
|                            | 1"                             | EV33   |
| Wall bracket arm           | Use EV22 or EV33 box with EV87 | EV87   |
| Stanchion mount            | 1 1/4"                         | EVMJ4  |
| <b>Guard:</b>              |                                |        |
| Fluorescent                |                                | EV512  |
| <b>Reflectors:</b>         |                                |        |
| Dome                       |                                | RD739  |
| Angle                      |                                | RA739  |

### Family tree:



5L

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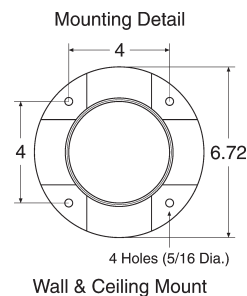
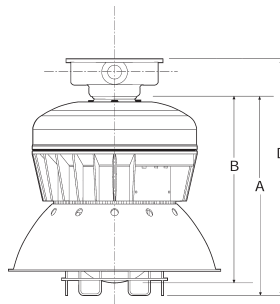
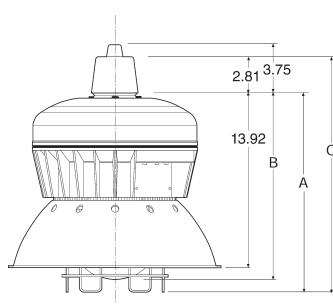
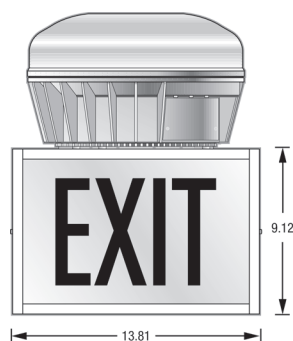
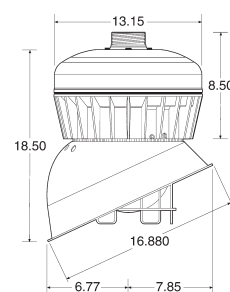
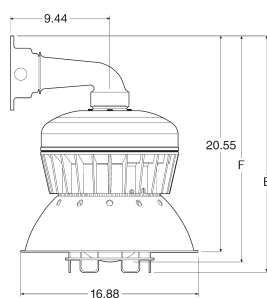
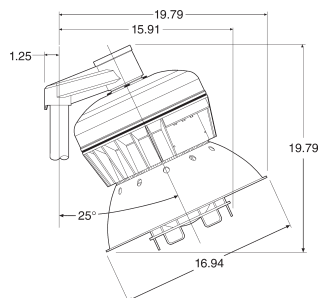
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## Temperature performance data:

| Type        | Watts | Minimum<br>operating temp. | Class I, Groups B (with suffix GB), C, D;<br>Class I, Zone 1 | Class II, Groups E, F, G;<br>Class III;<br>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 |

## Net luminaire weights:

| Type        | Weight (lbs.) |
|-------------|---------------|
| Fluorescent | 31.50         |

| Type                                 | Weight (lbs.) |
|--------------------------------------|---------------|
| <b>Add mounting modules:</b>         |               |
| Pendant                              | 1.00          |
| Ceiling                              | 2.00          |
| Bracket                              | 4.50          |
| Stanchion                            | 2.50          |
| <b>Add reflectors and exit sign:</b> |               |
| Dome                                 | 1.00          |
| Angle                                | 1.00          |
| Exit sign (DMVF-EXD)                 | 5.00          |

Deduct: 0.50 lbs. for wire guard