

For mining and heavy industrial applications

2L

## Endure LED wall pack family

The IP66, stainless steel Endure™ LED luminaire features the patented, modular LED LightBAR™ technology. The Endure LED luminaire is available with one or two LightBAR configurations in Type II or Type V distributions.

Model	Equivalent HID output	Energy savings
FM1 B01	50W HPS	59%
FM1 B02	70W HPS/MH	43%

### Applications:

- Ideal for a variety of non-hazardous applications such as mining, food processing, marine, wastewater treatment, heavy manufacturing and general wash down areas

### Certifications and compliances:

- UL1598
- cUL
- IP66

### LED system:

- Choice of Type II or Type V high efficiency AccuLED™ optics designed to shape light distribution for maximizing efficiency and application spacing
- 50,000+ hour life with >70% lumen maintenance
- 4000K (± 275) CCT and nominal 70 CRI
- 98 lumens per watt; 0.90 power factor

### Standard materials:

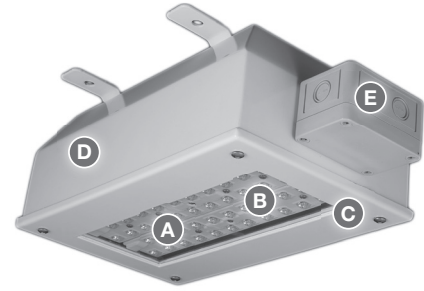
- Housing – 16 gauge stainless steel (SS201), painted powder coat white; 316 stainless steel housing available for extreme corrosion resistance (optional)
- Door – die formed stainless steel with 0.156" thick clear tempered glass lens; 316 stainless steel (optional)
- Gasket – silicone, around perimeter of glass
- Screws – stainless steel

### Standard finish:

- All external components are finished in a polyester white powder coat paint, electrostatically applied

### Design features:

- Ⓐ White light – provides superior color rendering and ambient clarity. Optics are precisely designed to shape the distribution, maximizing efficiency and application spacing.
- Ⓑ Energy efficiency and longer life – 50,000 hours rated life and up to 59% more energy-efficient than the 70 watt high pressure sodium equivalent.
- Ⓒ Reduction in light pollution – controlled distribution of light means far less light loss.
- Ⓓ IP66 ingress protection rating and -30°C to 50°C ambient temperature rating – ensures trouble-free operation in a variety of harsh and complex applications.
- Ⓔ Junction box – polycarbonate, IP66 rated, four screws to access cover, double row terminal box to expedite installation.



### Photometrics:

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

### Electrical ratings:

No. of LightBARs	Distribution				
	Power (watts)	Current at 120V (A) <sup>Ⓐ</sup>	Current at 277V (A) <sup>Ⓐ</sup>	Lumens (Type II)	Lumens (Type V)
<b>21 LED LightBAR</b>					
1	27	0.23	0.13	2,304	2,382
2	51	0.43	0.20	4,571	4,726

<sup>Ⓐ</sup> Proprietary circuit module designed to withstand 10 kV of transient voltage surge.

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## Ordering information:

Part number example

**FM1 B01 LED E1 T2 CTG156 WH**

# FM1 - B01 - LED - E1 - T2 - CTG156 - WH

**No. of LightBARs**

<b>B01</b>	(1) 21 LED LightBAR
<b>B02</b>	(2) 21 LED LightBARs

**Lamp type**

<b>LED</b>	Solid state LED
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**Electrical**

<b>E1</b>	Electronic driver (1) (120-277V)
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**Distribution**

<b>T2</b>	Type II
<b>5MQ</b>	Type V

**Lens material**

<b>CTG156</b>	Clear tempered glass, 0.156" thick
<b>PC125</b>	Clear polycarbonate, 0.125" thick
<b>AC125</b>	Clear acrylic, 0.125" thick

**Finish**

<b>WH</b>	White powder coated paint
<b>BK</b>	Black powder coated paint
<b>BZ</b>	Bronze powder coated paint

## Options:

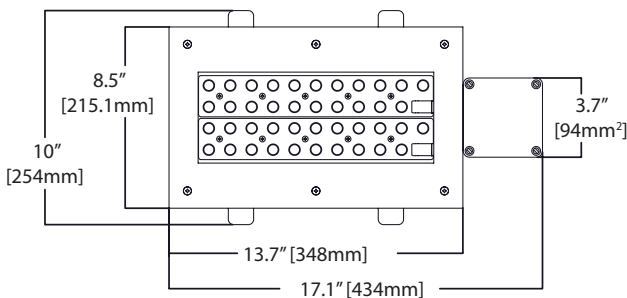
Description	Suffix
• Type 316 stainless steel housing and door .....	<b>316SS</b>

## Accessories (ordered separately):

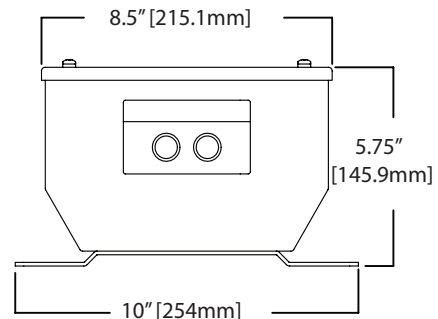
Description	Cat. #
• EM battery pack unit .....	<b>FM1-EBP-WH</b>
<i>(Coming soon)</i>	
<i>Same dimensions as non-EM unit but with full stainless steel door</i>	
<i>Replace 'WH' in catalog number with 'BK' or 'BZ' for black or bronze finish</i>	
<i>Includes test switch and indicator light</i>	

## Dimensions:

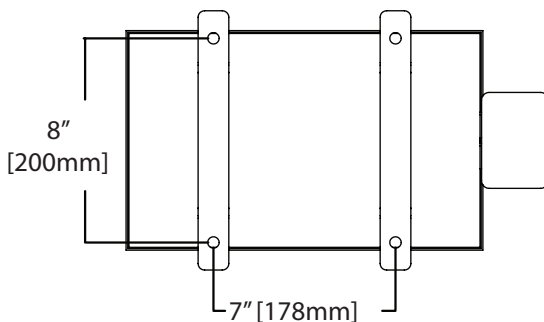
Top view (2 LightBAR configuration shown)



End view



Mounting



Side view

