Applications Include
Parking Area, Security, Outdoor Industrial, Building Facade and Landscape Lighting.

**Specification Features**

**Construction**
The FHD series of luminaire features highly efficient LEDs in two wattages to meet most any industrial application. Heavy Duty aluminum die-cast housings with integrated heat sink for superior thermal conductivity and long life.

**Mounting**
The FHD has an adjustable trunnion with a locking nut that allows accurate, repeatable and tamper proof aiming.

**Optics**
Custom secondary optics offer Narrow, Medium and Wide distribution patterns providing highly efficient light control, and superior uniformity. A high transparency, frosted, tempered glass is employed to eliminate the "point-source" glare often associated with other LED luminaires.

**Electrical**
A constant current driver accepts 90 to 277V input at 50/60hz and has an operating temperature of -30 deg C to +60° C. High voltage options through integrated stepdown transformers for 347 and 480V systems are available. A three (3) foot, 3-wire power cord passes through a water-tight connector in the bottom of the casting to facilitate wiring into a junction box or other source.

**Finish**
EYE Lighting utilizes a multi-stage cleaning, pretreatment and chemical conversion coating process. A durable polyester powdercoat is then electrostatically applied to a 2 to 3 mil thickness. This process ensures protection from impact, UV and salt spray damage.

**Warranty**
5 Year Limited LED Luminaire Warranty to the original purchaser that the luminaire shall be free from defects in material and workmanship for up to five (5) years from date of shipment. This limited warranty covers the fixture, LED driver and LEDs when installed and operated according to manufacturer’s instructions. See EYE Lighting's full Warranty and Terms & Conditions of Sale at www.eyelighting.com.

**Listings and Ratings**

**Order Guide (120-277V)**

<table>
<thead>
<tr>
<th>FAMILY</th>
<th>WATTAGE / SOURCE</th>
<th>CCT</th>
<th>CRI</th>
<th>DISTRIBUTION</th>
<th>VOLTAGE</th>
<th>COLOR</th>
<th>DIMMING</th>
<th>OPTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>FHD</td>
<td>18L = 185W LED</td>
<td>53K</td>
<td>70C</td>
<td>W = Wide</td>
<td>UNV = 120-277V</td>
<td>DB = Dark Bronze</td>
<td>D = 0-10V Dim</td>
<td>SP1 = 10kA Surge Protector (This option is not available for 230W, 347-480V model)</td>
</tr>
<tr>
<td></td>
<td>23L = 230W LED</td>
<td></td>
<td></td>
<td>M = Medium</td>
<td>UNH = 347-480V (requires SP1 or SP1PC)</td>
<td>WH = White</td>
<td></td>
<td>PC = NEMA PC (120-277V only)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>N = Narrow</td>
<td></td>
<td></td>
<td></td>
<td>SP1PC = SP1 &amp; PC</td>
</tr>
</tbody>
</table>

**SAMPLE NUMBER : FHD-23L-537-W-UNV-DB-DSP1**

www.eyelighting.com
Dimensions

**FRONT VIEW**

- **12.40”** (315mm)
- **17.72”** (450mm)
- **25.87”** (657mm)
- **15.15”** (385mm)

**SIDE VIEW**

- **8.47”** (215mm)
- **5.20”** (132mm)
- **4.61”** (117mm)
- **4.41”** (112mm)

**TOP VIEW**

- **12.50”** (317mm)
- **3.15”** (80mm)
- **120°**

**EPA**
3.2 ft² (vertical mounting)
0.8 ft² (horizontal mounting)

**Weight**
36 lbs

Performance Data

**Wattage Summary**

<table>
<thead>
<tr>
<th>Model</th>
<th>LED Qty.</th>
<th>Drive Current</th>
<th>Luminaire Wattage</th>
<th>Average Lumens</th>
<th>Lumen Maintenance (L70 At 25°C)</th>
<th>Lumen Maintenance (L70 At 40°C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>185W</td>
<td>88</td>
<td>700 mA</td>
<td>203W</td>
<td>19,300</td>
<td>&gt;150,000 hrs.</td>
<td>&gt;150,000 hrs.</td>
</tr>
<tr>
<td>230W</td>
<td>110</td>
<td>700 mA</td>
<td>250W</td>
<td>24,500</td>
<td>&gt;150,000 hrs.</td>
<td>&gt;150,000 hrs.</td>
</tr>
</tbody>
</table>

**Ambient Data**

<table>
<thead>
<tr>
<th>Ambient Temperature</th>
<th>Lumen Multiplier</th>
</tr>
</thead>
<tbody>
<tr>
<td>15°C</td>
<td>1.02</td>
</tr>
<tr>
<td>25°C</td>
<td>1.00</td>
</tr>
<tr>
<td>40°C</td>
<td>0.98</td>
</tr>
</tbody>
</table>

**Photometric Data**

(Photometrics shown for 230W FHD, please visit eyelighting.com for 185W photometrics and IES files.)

**230W 30° Frosted Glass**

- **NEMA** = 5 x 5
- **Beam Angle** = 10° x 32°
- **Field Angle** = 71° x 73°
- **System Wattage** = 250W
- **Color Temperature** = 5300K
- **Lumens** = 24,500
- **Center Beam Candlepower** = 49,453

**230W 53° Frosted Glass**

- **NEMA** = 5 x 5
- **Beam Angle** = 53° x 54°
- **Field Angle** = 92° x 96°
- **System Wattage** = 230W
- **Color Temperature** = 5300K
- **Lumens** = 25,000
- **Center Beam Candlepower** = 25,950

**230W Wide Frosted Glass**

- **NEMA** = 7 x 7
- **Beam Angle** = 124° x 76°
- **Field Angle** = 162° x 144°
- **System Wattage** = 250W
- **Color Temperature** = 5300K
- **Lumens** = 23,000
- **Center Beam Candlepower** = 9,195

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