



# FHD Series Heavy Duty LED Floodlight



Project:

Type:

Catalog #:

Prepared by:

Date:

Notes:

### 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 efficiency 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](http://www.eyelighting.com).

#### Listings and Ratings

IP65 rated. U.L. 1598/8750 listed; Tested to IESNA LM-79-08 and LM-80 test standards at 25° C ambient. IES files are available at [www.eyelighting.com](http://www.eyelighting.com).



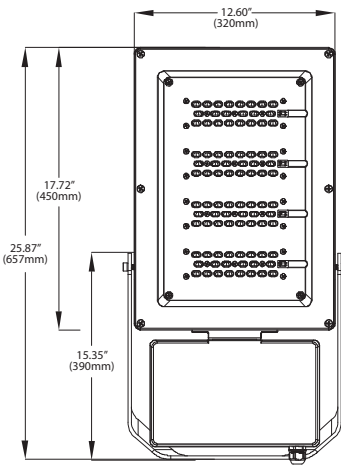
### Order Guide (120-277V)

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

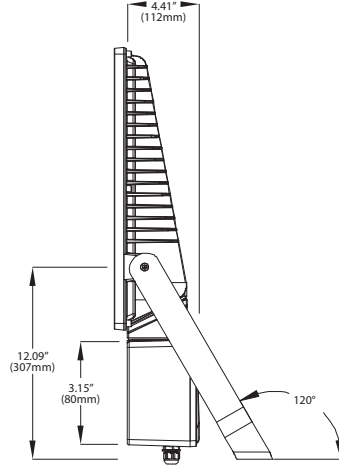
FAMILY	WATTAGE / SOURCE	CCT	CRI	DISTRIBUTION	VOLTAGE	COLOR	DIMMING	OPTIONS
FHD	18L = 185W LED 23L = 230W LED	53 = 5300K	7 = 70 CRI	W = Wide M = Medium N = Narrow	UNV = 120-277V  UNH = 347-480V (requires SP1 or SP1PC)	DB = Dark Bronze  WH = White (Contact factory for lead time on white finish luminaires)	D = 0-10V Dim	SP1 = 10kA Surge Protector (This option is not available for 230W, 347-480V model)  PC = NEMA PC (120-277V only)  SP1PC = SP1 & PC

**Dimensions**

**FRONT VIEW**



**SIDE VIEW**



**EPA** 3.2 ft<sup>2</sup> (vertical mounting)  
0.8 ft<sup>2</sup> (horizontal mounting)

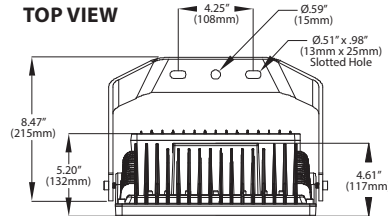
**Weight** 36 lbs

**Performance Data**

**Wattage Summary**

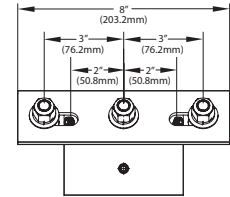
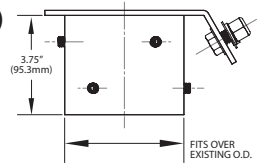
Model	LED Qty.	Drive Current	Luminaire Wattage	Average Lumens	Lumen Maintenance (L70 At 25°C) (L70 At 40°C)	
185W	88	700 mA	203W	19,300	>150,000 hrs.	>150,000 hrs.
230W	110	700 mA	250W	24,500	>150,000 hrs.	>150,000 hrs.

**TOP VIEW**

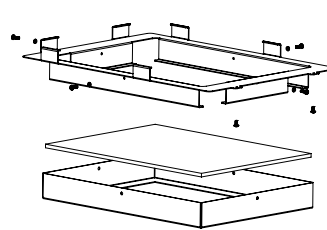


**Accessories (Ordered Separately)**  
(please refer to the individual spec sheet for ordering information)

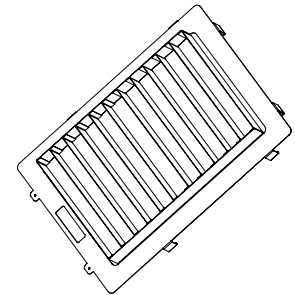
**PMB-DB-23, PMB-DB-30, PMB-DB-40**  
(Mounting Accessory for FHD Floods)



**FHD-LH-DB**  
(Lens Holder Accessory for FHD Floods)



**FHD-LVR-DB**  
(Louver Accessory for FHD Floods)



**Ambient Data**

Ambient Temperature	Lumen Multiplier
15°C	1.02
25°C	1.00
40°C	0.98

**Photometric Data** (Photometrics shown for 230W FHD, please visit [eyelighting.com](http://eyelighting.com) for 185W photometrics and IES files.)

**230W 30° Frosted Glass**

NEMA = 5 x 5      Color Temperature = 5300K  
 Beam Angle = 30° x 32°      Lumens = 24,500  
 Field Angle = 71° x 73°      Center Beam  
 System Wattage = 250W      Candlepower = 49,453

Solid: Vertical Axial Candela    Dashed: Horizontal Axial Candela

**230W 53° Frosted Glass**

NEMA = 5 x 5      Color Temperature = 5300K  
 Beam Angle = 53° x 54°      Lumens = 25,000  
 Field Angle = 92° x 96°      Center Beam  
 System Wattage = 250W      Candlepower = 25,950

Solid: Vertical Axial Candela    Dashed: Horizontal Axial Candela

**230W Wide Frosted Glass**

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

Solid: Vertical Axial Candela    Dashed: Horizontal Axial Candela

**EYE Lighting International of North America, Inc.**  
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