

General Description and Usage

The LEP-FLHB-150W series is an explosion proof multi-purpose LED lighting fixture intended for the following explosion-proof applications:

- Class I Division 1, Group C, D
- Class I Division 2, Group A, B, C, D
- Class II Division 2, Group F, G
- Class III

This multi-purpose fixture can be used as a high bay, spot or flood light in environments where explosion resistant or hazardous location fixtures are required. Typical application includes solvent and cleaning areas, paint spray booths, oil and gas drilling applications, aircraft maintenance, chemical manufacturing, waste treatment plants, oil and gas refining and processing.

The fixture is constructed of heavy duty copper-free aluminum housing and clear plexiglas lens that provides outstanding optics and, unlike polycarbonate, does not yellow from contact with UV. Adjustable mounting bracket allows for flexible quick fixture installation..

Electrical

Long-life Cree LED system coupled with Meanwell electronic driver delivers optimal performance. LED's available in 70+ CRI, 5000k. Projected L70 rated life is 50,000 hours. Standard electronic drivers are 120-277 universal voltage or 347-480 volt.

Listing

The LEP-FLHB-150W is UL listed and RoHS and LEED compliant and certified to the following:

- UL-1598/8750 for LED Lighting
- UL-1598(A)
- UL-844 and CSA C22.2 for hazardous locations
- DLC 4.0 Premium
- Enclosed and gasketed
- Wet Locations
- Type 4X
- IP 66

Multi-Purpose LED Explosion Proof Fixture

Model LEP-FLHB-150W

150 Watt, 19,500 Lumens



LEP-FLHB-150W

LED Benefits

- Environmental friendly - No mercury or lead Up to 60% energy saving compared to fluorescent or metal halide luminaires
- Maintenance free operation, last up to 20 times longer than conventional lamps
- Direct replacement for traditional metal halide or fluorescent

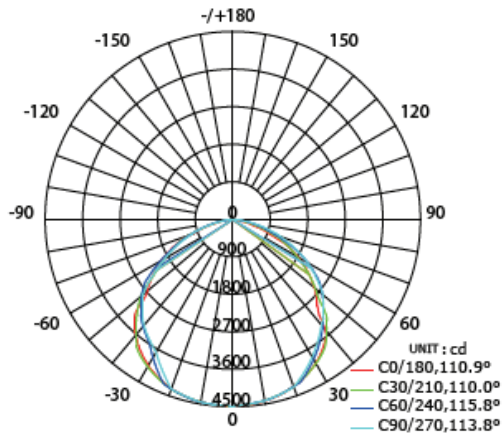
Fixture Features & Benefits

- Efficacy - Up to 130 Lm / W
- Universal Voltage: AC 100~277V / 347~480V (50/60Hz)
- Instant illumination and restrike
- Wide ambient temp. range from - 40 C to + 60 C
- Safe and reliable heat transfer - Offering a T-rating of T6 (CI D1)
- Shock-and vibration-resistant - Durable LEDs with solder-less board connection Copper-free aluminum body and frame -corrosion resistant
- All exposed fasteners with quality stainless steel
- High Temperature silicone gasketing
- Thermal shock and impact resistant glass lens
- Harsh & Hazardous Duty

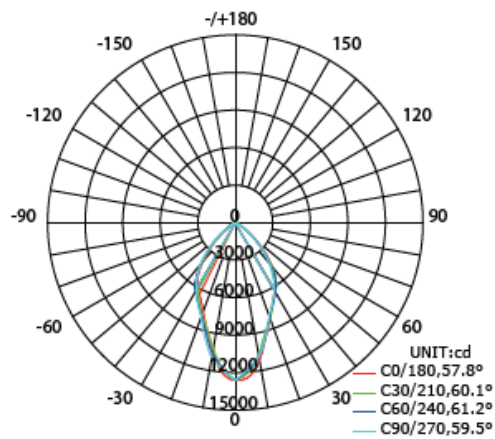
Detailed Specifications:

Model	LEP-FLHB-150W
Electrical	
Rated Power	150W
Input Voltage	100-240/277, 200-480Vac
Input Frequency	50/60Hz
Power Factor	> 0.95
Driver Efficiency	≥ 91%
DC output Ripple & Noise	<4.8mVP-P/<4.5mVP-P/<200mVP-P
Optical	
Luminous Flux(Lumen Output)	19500lm
Luminous Efficacy(Lumens per Watt)	130lm/w
Beam Angle	25°/60°/120°
Correlated Color Temperature	5000K
CRI	Ra>70
Environmental	
Ambient Operating Temperature	-40°C~+60°C
Ambient Operating Humidity	10%~90% RH
Altitude of installation site:	<2000m
Atmospheric pressure	86~106KPa
Mechanical	
Lens Material:	PMMA
Mounting Options	Ceiling, Wall, Floor
Gland Spec	NPT3/4"
Net Weight	26.9lbs
Dimension (L×W×H)	14.6×14.3×9.2in
Warranty	5-year limited system warranty

Optics:



Average Beam Angle (50%): 120 DEG



Average Beam Angle (50%): 60 DEG

Mounting Options:



Fixture Front View



Fixture Rear View



Floor Mount Position



Wall Mount Position



Ceiling Mount Position