DEEP ROOF LIGHTING

UL Listed CID2 Hazardous Location Light Fixture

Hazardous C2D2 Explosion Proof Lighting

FFD Hazardous Proof fixure are certified for use in NEC CEC hazardous locations.
The FFS offer high levels of visibility and uniformity without shadows, glare.
The solution meet the specific needs of many environments,
from production process areas to petroleum refining facilities,
solvent extraction plants and textile mills. Etc….....

EXPLOSION PROOF LED LIGHT

CIII CID2 CIID2



SMART & VERSATILE

- Built-in sensor
- Available in Multiple Beam Angle

5 MOUNTING OPTIONS
INSTALL IT YOUR WAY

IK10
BUILT TO RESIST IMPACT

IP66
DUST & WATER RESISTANT

0-10V DIMMING
FLEXIBLE CONTROL

5-YEAR WARRANTY
BUILT TO LAST



HIGH-TEMP EDITION

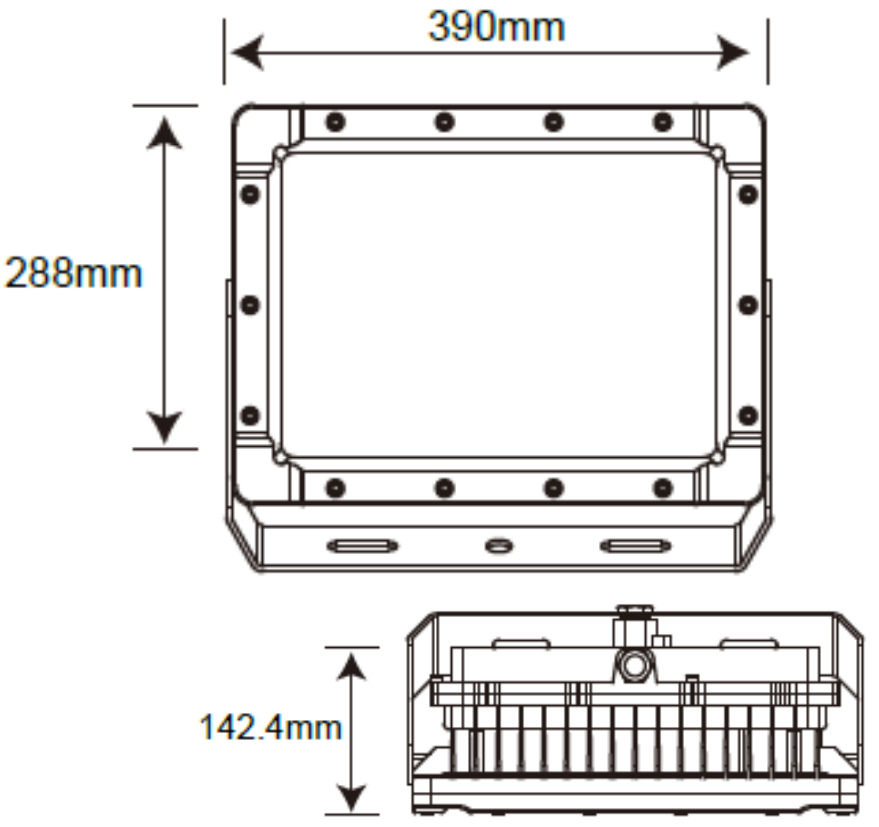
Withstands Ambient Temperatures
up to 90°C



- **High temperature resistant up to 90°C**
- **IP66 & IK10 rated for harsh environments**
- **Explosion-proof structure, suitable for hazardous location**
- **Optional 100–200W power range**
- **Long lifespan >100,000 hours**
- **Multiple mounting options for flexible installation**

Product Specification

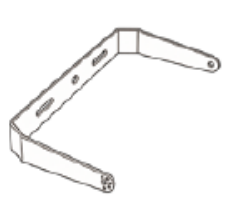
Model: FFD High-Temp Edition
Power: 100W / 120W / 130W / 150W / 160W / 180W / 200W
Warranty: 5 Year
Lumens: 15000-30000 lm
Efficacy: Up to 150 lm/W
Rating: IP 66, IK10
Certification: Class I Division 2, Groups A, B, C and D;
Class II Division 2, Groups F, G , Class III
Operating Temp: -40°F – +149°F (-40°C – +65°C)
Voltage: 100–277VAC / 200–480VAC
CRI: 70 and 80
Rated Life: L70 >100,000 hours
Lens: Tempered Glass, PC
Beam Angle: 25° / 60° / 90° / 110°
Mounting Option: Pendant / Yoke / Ceiling / Stanchion / Wall / Pole



ITEM CODES

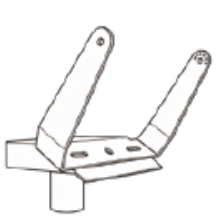
LEXP-FG100-D50-D1	**100W,5000K,100-277 VAC input**
LEXP-FG100-D50-D2	**100W,5000K,200-480 VAC input**
LEXP-FG120-D50-D1	**120W,5000K,100-277 VAC input**
LEXP-FG120-D50-D2	**120W,5000K,200-480VAC input**
LEXP-FG150-D50-D1	**150W,5000K,100-277 VAC input**
LEXP-FG150-D50-D2	**150W,5000K,200-480VAC input**
LEXP-FG200-D50-D1	**200W,5000K,100-277 VAC input**
LEXP-FG200-D50-D2	**200W,5000K,200-480VAC input**

Power	100W	120W	150W	160W	180W	200W
Luminous flux	15000 lm	18000 lm	22500 lm	24000 lm	27000 lm	30000 lm
Dimensions	L390*W288*H142.4mm					
Luminous efficacy	150 lm/W					
Input voltage	AC120-277V / AC200-480V, 50/60Hz					
CCT	3000-6500K					
Light distribution	25° / 60° / 90° / 110°					
CRI	>80Ra					
Housing color	Black					
Lifespan	>50,000 hours @ L70					



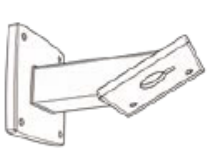
Yoke Mount

LEXP-GT-YO



Yoke and Stanchion

LEXP-GT-YOST



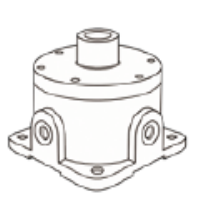
Wall 25° & 90°

LEXP-GT-WM



Stanchion 25°

LEXP-GT-ST

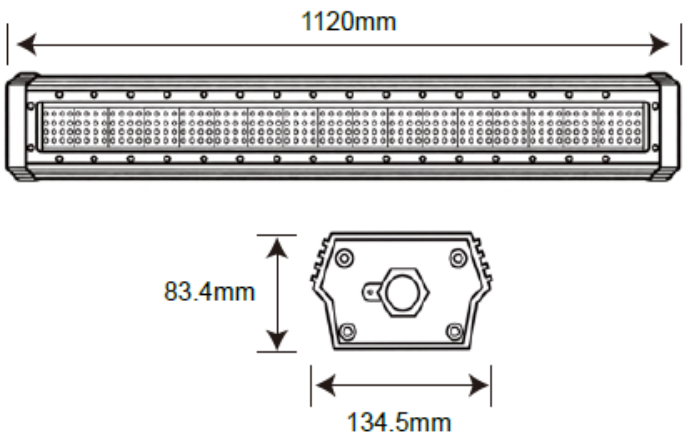


Junction box for pole

LEXP-GT-JB



Model: FLD Series
Power: 60W / 80W / 100W / 110W / 120W / 140W /150W
Warranty: 5 Year
Lumens: 9000-226500 lm
Efficacy: Up to 150 lm/W
Rating: IP 66, IK10
Certification: Class I Division 2, Groups A, B, C and D; Class II Division 2, Groups F, G , Class III
Operating Temp: -40°F – +149°F (-40°C – +65°C)
Voltage: 100–277VAC / 200–480VAC
CRI: 80
Rated Life: L70 >50,000 hours
Lens: Tempered Glass, PC
Beam Angle: 25° / 60° / 90° / 110°
Mounting Option: Surface Mount / Suspended Chain / Pendant Mount
Emergency: For 90 minutes



ITEM CODES

LEXP-FL80-D50-D1 **80W,5000K,100-277 VAC input**
LEXP-FL80-D50-D2 **80W,5000K,200-480 VAC input**
LEXP-FL120-D50-D1 **120W,5000K,100-277 VAC input**
LEXP-FL120-D50-D2 **120W,5000K,200-480VAC input**
LEXP-FL150-D50-D1 **150W,5000K,100-277 VAC input**
LEXP-FL150-D50-D2 **150W,5000K,200-480VAC input**

Model	FLD-60W	FLD-80W	FLD-100W	FLD-110W	FLD-120W	FLD-140W	FLD-150W
Power	60W	80W	100W	110W	120W	140W	150W
Luminous flux	9000 lm	12000 lm	15000 lm	16500 lm	18000 lm	21000 lm	22500 lm
Dimensions	L1120*W134.5*H83.4mm						
Luminous efficacy	150 lm/W						
Input voltage	AC120-277V / AC200-480V, 50/60Hz						
CCT	3000-6500K						
Light distribution	25° / 60° / 90° / 110°						
CRI	>80Ra						
Housing color	Black						
Lifespan	>50,000 hours @ L70						



Surface Mount



Suspended Chain



Pendant Mount

LEXP-LD-SF **LEXP-LD-SUS** **LEXP-LD-PEN**

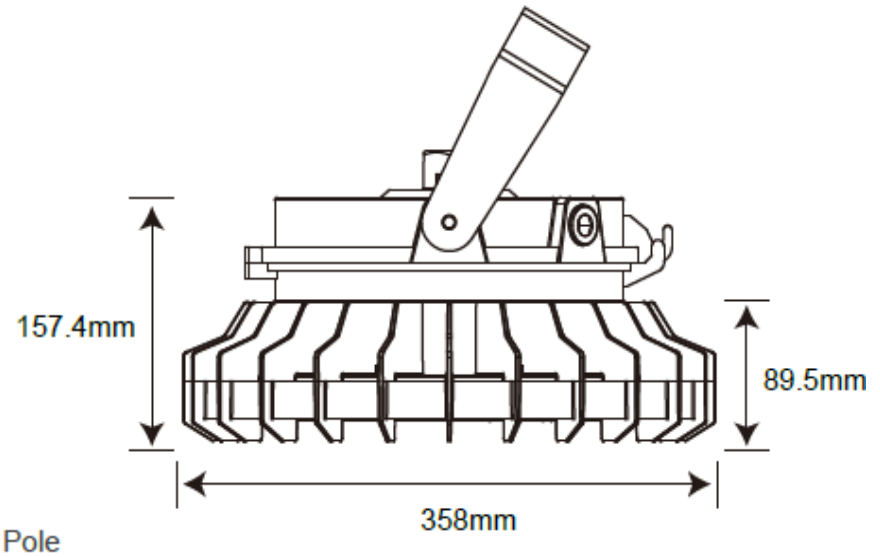


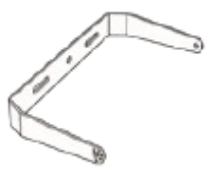


ITEM CODES

LEXP-FY100-D50-D1	**100W,5000K,100-277 VAC input**
LEXP-FY100-D50-D2	**100W,5000K,200-480 VAC input**
LEXP-FY120-D50-D1	**120W,5000K,100-277 VAC input**
LEXP-FY120-D50-D2	**120W,5000K,200-480VAC input**
LEXP-FY150-D50-D1	**150W,5000K,100-277 VAC input**
LEXP-FY150-D50-D2	**150W,5000K,200-480VAC input**
LEXP-FY200-D50-D1	**200W,5000K,100-277 VAC input**
LEXP-FY200-D50-D2	**200W,5000K,200-480VAC input**

Power: 100W / 120W / 120W / 150W / 160W / 180W / 200W
Warranty: 5 Year
Lumens: 15000-30000 lm
Efficacy: Up to 150 lm/W
Rating: IP 66, IK10
Certification: Class I Division 2, Groups A, B, C and D;
Class II Division 2, Groups F, G
Class III
Operating Temp: -40°F – +149°F (-40°C – +65°C)
Voltage: 100–277VAC / 200–480VAC
CRI: 80
Rated Life: L70 >50,000 hours
Lens: Tempered Glass
Beam Angle: 25° / 60° / 90° / 110°
Mounting Option: Pendant / Yoke / Ceiling / Stanchion / Wall / Pole
Emergency: For 90 minutes





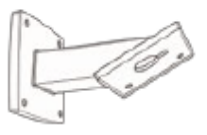
Yoke Mount

LEXP-FY-YO



Yoke and Stanchion

LEXP-FY-YOST



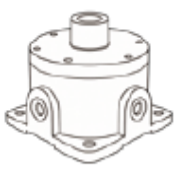
Wall 25° & 90°

LEXP-FY-WM



Stanchion 25°

LEXP-FY-ST



Junction box for pole

LEXP-FY-JB

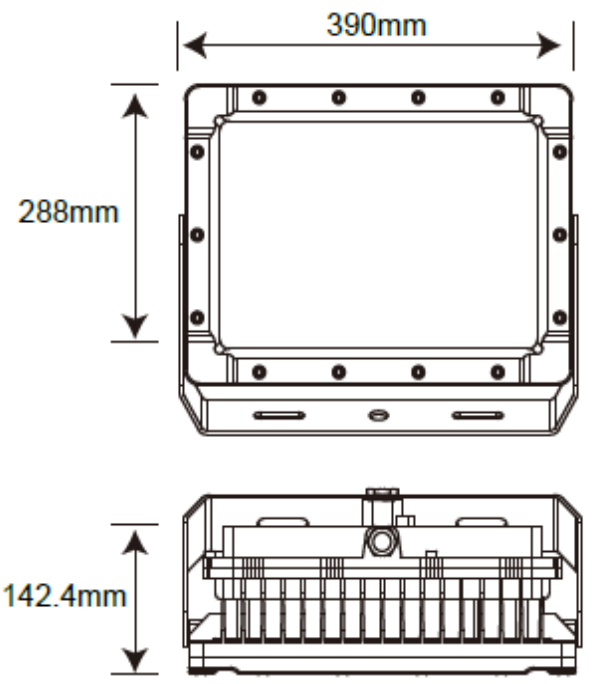


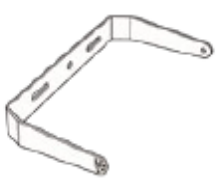
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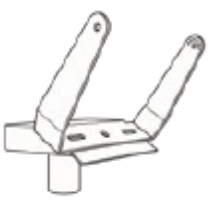
LEXP-FD100-D50-D1	**100W,5000K,100-277 VAC input**
LEXP-FD100-D50-D2	**100W,5000K,200-480 VAC input**
LEXP-FD120-D50-D1	**120W,5000K,100-277 VAC input**
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LEXP-FD200-D50-D2	**200W,5000K,200-480VAC input**

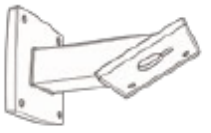
Product Specification

Model: FFD Series
Power: 100W / 120W / 130W / 150W / 160W / 180W / 200W
Warranty: 5 Year
Lumens: 15000-30000 lm
Efficacy: Up to 150 lm/W
Rating: IP 66, IK10
Certification: Class I Division 2, Groups A, B, C and D;
Class II Division 2, Groups F, G , Class III
Operating Temp: -40°F – +149°F (-40°C – +65°C)
Voltage: 100–277VAC / 200–480VAC
CRI: 80
Rated Life: L70 >50,000 hours
Lens: Tempered Glass, PC
Beam Angle: 25° / 60° / 90° / 110°
Mounting Option: Pendant / Yoke / Ceiling / Stanchion / Wall / Pole
Emergency: For 90 minutes

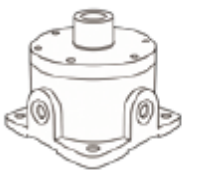



Yoke Mount
LEXP-FD-YO


Yoke and Stanchion
LEXP-FD-YOST


Wall 25° & 90°
LEXP-FD-WM


Stanchion 25°
LEXP-FD-ST


Junction box for pole
LEXP-FD-JB



Classification

NEC Class I, Division 2, Groups A, B, C and D.

Class 1: A hazardous location in which flammable gases or vapors may be present in the air in sufficient quantities to be explosive or ignitable, such as petroleum refineries, aircraft hangars, dry cleaning plants, utility gas plants or storage areas for liquified petroleum or natural gas, and spray finishing areas.



Division 2

Abnormal condition, for example: Closed storage drums containing flammable liquids in an inside storage room would not normally allow the hazardous vapors to escape into the atmosphere. But if one of the containers is leaking, you've got an abnormal condition.



Groups

The gases and vapors of Class I locations are broken into four groups by the Code: A, B, C, and D. These materials are grouped according to the ignition temperature of the substance, its explosion pressure, and other flammable characteristics.

Group A: The only substance in Group A is acetylene because it is a gas with extremely high explosion pressures.

Group B: This group includes hydrogen and other materials with similar characteristics.

Group C & D: The most usual Class I groups. They comprise the greatest percentage of all Class I hazardous locations. Found in Group D are many of the most common flammable substances such as butane, gasoline, natural gas and propane.

