

Defend Flood™ Series

Explosion-proof LED Floodlight & High Bay

Outdoor-rated floodlight for use in a variety of hazardous locations
 Provides safe illumination in Class 1, Division 1 environments
 Designed to withstand the world's harshest applications
 LED technology increases efficiency, eliminates maintenance
 and supports green initiatives



Key Applications

Mining and coal production & processing
 Gasoline dispensing and service stations
 Petroleum and chemical refineries
 Land drilling rigs
 Fuel depots
 Wastewater treatment plants
 Paint facilities
 Power plants
 Grain processing and storage
 Food and beverage processing facilities
 Spirit distilleries
 Paper and pulp mills
 Aircraft hangars
 Chemical and petrochemical processing facilities
 Health care facilities
 LNG Carriers
 Petroleum & chemical tankers

Compliances

UL/cUL Certified to:

- UL 1598 Suitable for Wet Locations
- UL 844 Hazardous Locations
 Class I, Division I Groups C & D
 T5, 100°C maximum surface temperature
- CSA C22.2 No. 250.0, 137, 30

IP66
 FCC Part 15, Subpart B, Class A standards for conducted and radiated emissions
 TAA

Specifications

Construction	Marine grade cast aluminum housing 316 stainless steel, adjustable mounting harp
Finish	Gray thermoset powder coat
Hardware	Stainless steel
Lens	0.59 in (15mm) thick, clear, tempered glass
Light source	100W, up to 14,000 lumens 165W, up to 23,500 lumens CRI ≥ 70 CCT 5000K (CW) and 4000K (NW) 100,000 hour rated life
Power source	120-277V, 50/60Hz 347-480V, 50/60Hz 1-10V dimming capability 6kV surge protection Overload, overvoltage, over-temperature, short-circuit protection
Wiring	3 x ¾ inch NPT openings
Ambient operating temperature	-40°C to +50°C
Shock	65G along 3 axes
Vibration	10 Grms, 100-2200Hz along 3 axes
Salt spray	Tested to ASTM B117 for 1000 hours
Aiming	Aimable in 15° increments
Mounting	Ceiling, wall or pendant mount
Weight	44.1 lb (20.0 kg)
Warranty	5 years

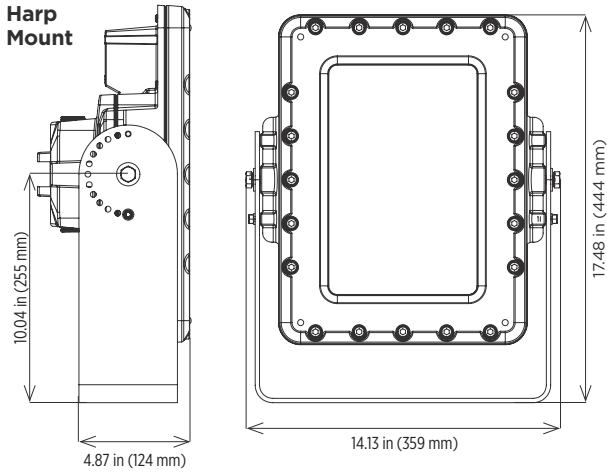
For IES files, see website or contact factory

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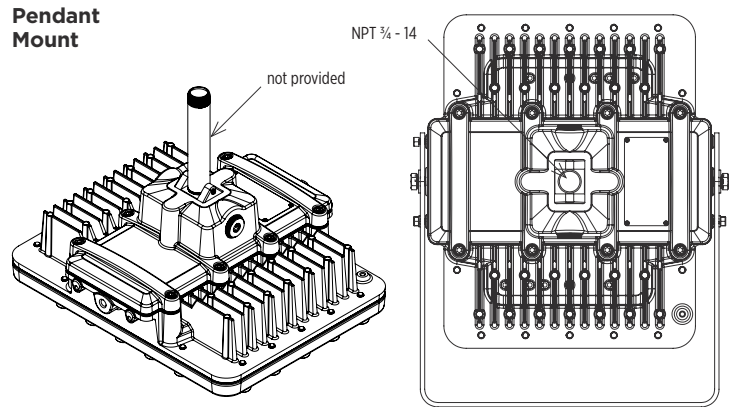
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Dimensions

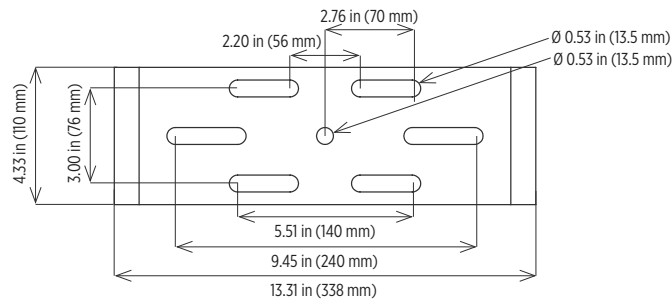
Harp Mount



Pendant Mount



Mounting Bracket Dimensions



Ordering Information

Example: DFN-LO-SP-120-277-CW

Fixture	Wattage	Optic	Voltage	CCT
DFN	LO	SP	120-277	CW
	HI	FL	347-480	NW
		WF		

Wattage

LO 100W, up to 14,000 lumens
HI 165W, up to 23,500 lumens

Optic

SP Spot optic
FL Flood optic
WF Wide flood optic

Voltage

120-277 120-277V, 50/60Hz
347-480 347-480V, 50/60Hz

CCT

CW Cool white (5000K)
NW Neutral white (4000K)

Special Projects: We may be able to accommodate your special projects, so please don't hesitate to ask about additional options. Minimum order quantities and/or extended lead times will apply. Contact your Phoenix representative with specific inquiries.

Product design and specifications are subject to change without notice. The most current version of this specification sheet can be found at www.phoenixlighting.com.