

Defend Flood™ 2 HI Series

Explosion-proof LED Floodlight & High Bay

Second generation HazLoc flood & high bay designed to withstand the world's harshest environments

Ideal for use in all UL1598A marine and UL844 hazardous locations

Consists of marine-grade components for superior corrosion resistance

Versatile fixture with various color temperature, optic, voltage & mounting options

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 1598A Marine Outside Type (Saltwater)
- UL 844 Hazardous Locations

Class I, Division 1 Groups C, D

Class I, Division 2 Groups A, B, C, D

Class II, Division 1 Groups E, F, G

Class II, Division 2 Groups F, G

Class III

IP66

IK10

ABS

Specifications

Construction	Die cast aluminum housing				
Finish	Gray thermoset powder coat				
Hardware	316 stainless steel external hardware				
Lens	Clear, tempered glass				
Light source	14,000 lumens - 100W 28,000 lumens - 200W CRI ≥ 70 CCT 5000K (50K), 4000K (40K) and 3000K (30K) 100,000 hour rated life				
Power source	120-277V, 50/60Hz or 277-480V, 50/60Hz 1-10V dimming capability 6kV surge protection				
Wiring	3 x ¾ inch NPT openings				
Ambient operating temperature	DFN2-HI-100: -40°C to +65°C (T4A) DFN2-HI-200: -40°C to +45°C (T4)				
Salt spray	Tested to ASTM B117 for 1000 hours				
Mounting	316 stainless steel mounting bracket - standard Ceiling, wall or pendant mount				
Weight	39.5 lb (17.9 kg)				
Warranty	5 years				

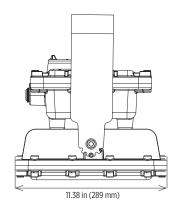
For IES files, see website or contact factory

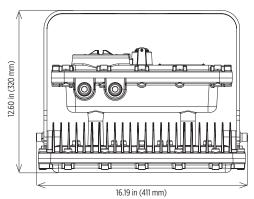
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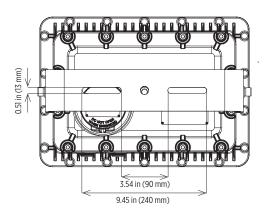
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Dimensions







Ordering Information

Example: DFN2-HI-100-WF-120-277-50K

Fixture	Wattage	Optic	Voltage	ССТ
DFN2-HI	100	FL	120-277	50K
	200	WF	277-480¹	40K ¹
				30K ¹

Watta	age	Optic		Voltage		CCT	
100	up to 14,000 lumens - 100W	FL	Flood optic (60°)	120-277	120-277V,	50K	5000K
200	up to 28,000 lumens - 200W	WF	Wide flood optic		50/60Hz	40K ¹	4000K
			(120°)	277-480	¹ 277-480V, 50/60Hz	30K ¹	3000K

Notes:

Contact factory for availability

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.

Accessories



25° Stanchion Mount¹ SM25



90° Stanchion Mount¹ 5M90

Notes:

Stanchion Mounts are CSA certified to Class I, Division 1, Groups A, B, C and D; Class I, Division 2, Groups A, B, C and D; Class II, Division 1, Groups E, F and G; Class II, Division 2, Groups F & G, Class III.

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.