PHOENIX®
DURABILITY X DESIGN™

Defend Flood™ 2 LO - HAZ

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	5,600 lumens – 40W 8400 lumens - 60W 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-LO-40: -40°C to +60°C (T5) DFN2-LO-60: -40°C to +55°C (T5)
Salt spray	Tested to ASTM B117 for 1000 hours
Mounting	316 stainless steel mounting bracket - standard Ceiling, wall or pendant mount
Aiming	Capable of 360° rotation
Weight	15.4 lb (7.0 kg)
Warranty	5 years

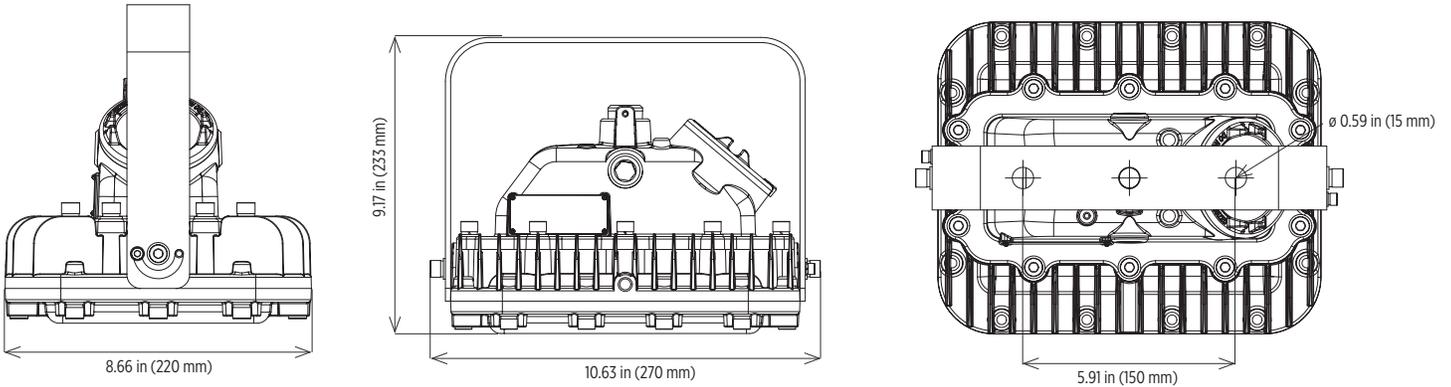*For IES files, see website or contact factory*

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Explosion-proof LED Floodlight & High Bay

Dimensions

8.66 in (220 mm)

9.17 in (233 mm)

10.63 in (270 mm)

ø 0.59 in (15 mm)

5.91 in (150 mm)

Ordering Information

Example: DFN2-LO-40-WF-120-277-50K

Fixture	Wattage	Optic	Voltage	CCT	HAZ
DFN2-LO	40	FL	120-277	50K	HAZ
	60	WF	277-480[1]	40K[1]	
				30K[1]	

Wattage

| 40 | up to 5,600 lumens - 40W |
| 60 | up to 8,400 lumens - 60W |

Optic

| FL | Flood optic (60°) |
| WF | Wide flood optic (120°) |

Voltage

| 120-277 | 120-277V, 50/60Hz |
| 277-480[1] | 277-480V, 50/60Hz |

CCT

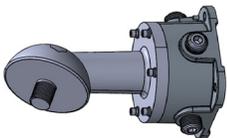| 50K | 5000K |
| 40K[1] | 4000K |
| 30K[1] | 3000K |

HAZ

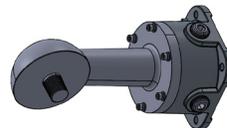| HAZ | UL844 Hazardous Location certified |

Notes:

1 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 Mount[1]
SM25

90° Stanchion Mount[1]
SM90

Notes:

1 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.