



Premium line of super rough service, heavy duty LED work lights  
 Lightweight, compact design ideal for use on mobile equipment  
 Customized optics designed to minimize glare, provide precise optical control and increase equipment efficiency  
 LED technology increases efficiency, eliminates maintenance and supports green initiatives

### Key Applications

- Surface mining equipment
  - haul trucks • front loaders • blasthole drills • dozers • hydraulic excavator shovels
- Underground mining equipment
  - jumbos • scoopers • dumpers
- Construction equipment
  - mobile cranes • excavators • rollers
- Port equipment
  - material handling • reach stackers
- Marine vessels
  - patrol boats • fishing boats
- Agricultural equipment
  - combine harvester • tractors • ATVs
- Forestry equipment
  - harvesters • forwarders • loaders
- Other applications
  - utility vehicles • pick-up trucks • off-road equipment • forklift trucks • maintenance of Way (MOW) railroad maintenance equipment • solar and generator powered lighting

### Compliances

- CE
- IP68
- IP69K
- IK06 (glass)
- IK10 (polycarbonate)

### Wattage

	12V	24V	48V
HI	74W	64W	64W

### Specifications

<b>Construction</b>	Die cast aluminum housing
<b>Finish</b>	Gray powder coat
<b>Hardware</b>	304 stainless steel external hardware
<b>Lens</b>	High temperature, impact-resistant polycarbonate (PC) or tempered glass (GL) Non-stick coating
<b>Light source</b>	Conformal coated LED circuit board 64W Cool white (5000K) LEDs - up to 7600 lumens Amber LEDs - up to 5000 lumens Beam patterns include: Spot (SP) and Flood (FL)
<b>Power source</b>	12-48V DC; 24-48V DC Over-voltage , over-temperature and reverse polarity protection
<b>Wiring</b>	Stranded wires 10.00 inch cord with molded Deutsch connector
<b>Ambient operating temperature</b>	-40°C to +65°C Light output regulation in high ambient temperature environments protects the life of the LEDs
<b>Shock</b>	65G along 3 axes
<b>Vibration</b>	5 Grms, 100-2200Hz along 3 axes
<b>Salt spray</b>	Tested to ASTM B117 for 1000 hours
<b>Aiming</b>	120° aiming capability, 5° markings on mounting harp Colored aiming indicator designates fixture beam pattern (SP: red, FL: blue)
<b>Mounting</b>	304 stainless steel harp - standard
<b>Weight</b>	7.0 lb (3.2 kg)
<b>Warranty</b>	3 years

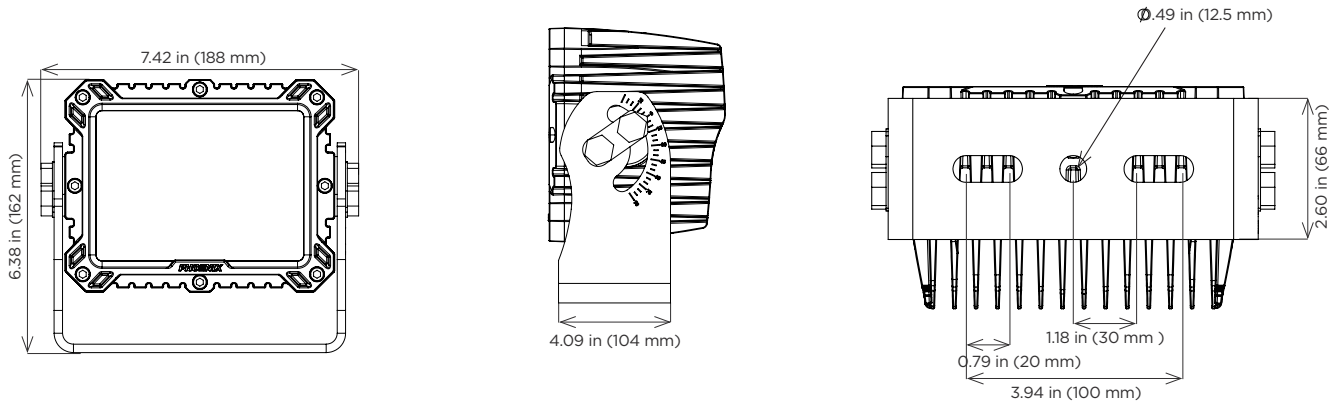
For IES files, see website or contact factory

# Sturdilite® Master Series HI

Low-voltage LED Floodlight

**PHOENIX®**  
DURABILITY X DESIGN™

## Dimensions



## Ordering Information

**Example:** MST-HI-PC-SP-12-48

Fixture	Model	Lens	Optic	Voltage	Color Temperature <sup>4</sup>
MST	HI	PC	SP	12-48	AM <sup>2,3</sup>
		GL <sup>1</sup>	FL	24-48 <sup>2</sup>	

Model	Lens	Optic
HI 64W	PC High temperature, impact-resistant polycarbonate GL <sup>1</sup> High temperature, tempered glass	SP Spot Optic FL Flood Optic

Voltage	Color Temperature <sup>4</sup>
12-48 12-48V DC	AM <sup>2,3</sup> Amber LEDs, ideal for high fog/dust/snow/debris
24-48 <sup>2</sup> 24-48V DC	

### Notes

- GL option recommended for applications where excessive dirt/debris, humidity and heat are present
- Contact factory for availability
- Only available with GL option
- Cool white (5000K) LEDs standard (leave blank)

**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](http://www.phoenixlighting.com).