



Premium line of super rough surface, 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

Numerous options allow for optimal lighting in each unique and harsh application

### 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
MED	58W	48W	48W

### 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 48W Cool white (5000K) LEDs - up to 5000 lumens Amber LEDs - up to 3650 lumens Spot (SP), Flood (FL), Elliptical (EP), and No-Glare (NG) optical patterns
<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, NG: silver)
<b>Mounting</b>	304 stainless steel harp - standard Round mounting bracket option (RND)
<b>Estimated Weight</b>	4.5 lb (2.0 kg)
<b>Warranty</b>	3 years

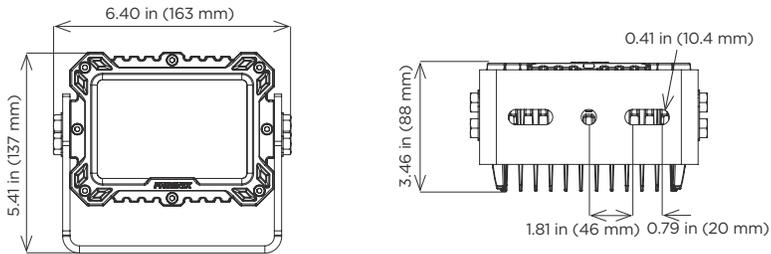
For IES files, see website or contact factory

# Sturdilite® Master Series MED

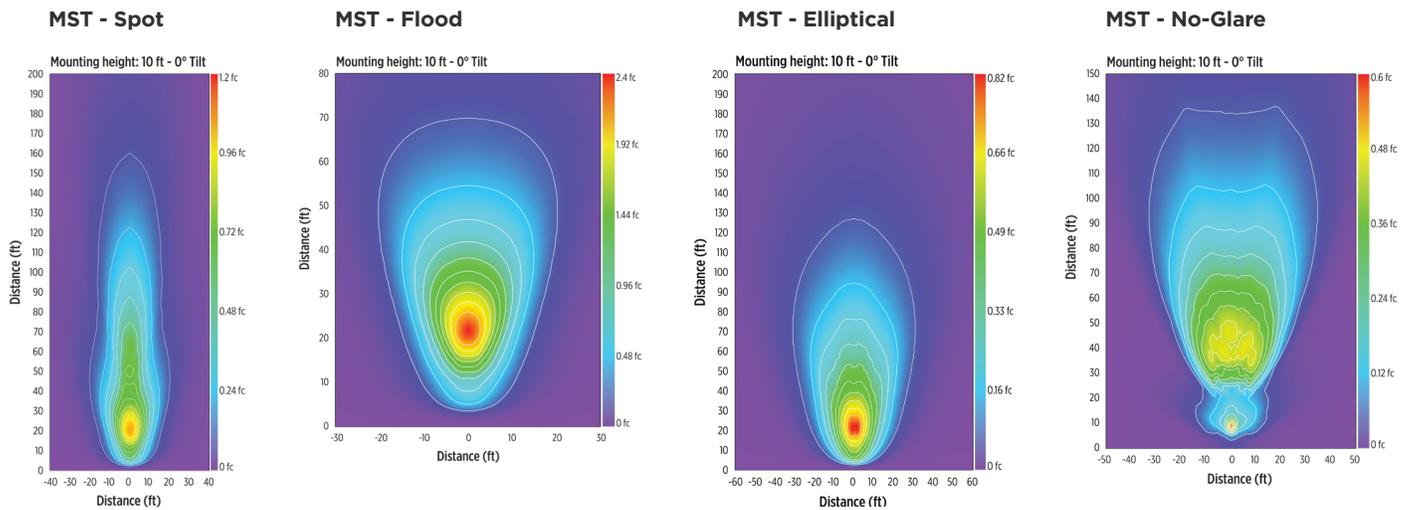
Low-voltage LED Floodlight

**PHOENIX**<sup>®</sup>  
DURABILITY X DESIGN™

## Dimensions



## Isolux Charts



## Ordering Information

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

Fixture	Model	Lens	Optic	Voltage	Color Temperature <sup>4</sup>	Mounting <sup>5</sup>
MST	MED	PC	SP	12-48	AM <sup>2,3</sup>	RND
		GL <sup>1</sup>	FL	24-48 <sup>2</sup>		LPH <sup>2</sup>
			EP			
			NG <sup>3</sup>			

<b>Model</b>	<b>Lens</b>	<b>Optic</b>
MED 48W	PC High temperature, impact-resistant polycarbonate GL <sup>1</sup> High temperature, tempered glass	SP Spot Optic FL Flood Optic EP Elliptical Optic NG <sup>3</sup> No-Glare Driving & Perimeter Optic
<b>Voltage</b>	<b>Color Temperature<sup>4</sup></b>	<b>Mounting<sup>5</sup></b>
12-48 12-48V DC 24-48 <sup>2</sup> 24-48V DC	AM <sup>2,3</sup> Amber LEDs, ideal for high fog/dust/snow/debris	RND Round mounting bracket for easy retrofit of Kotmatsu haul trucks (shown below) LPH <sup>2</sup> Low profile harp for extremely compact mounting locations

### Notes

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

## Option (order separately)

### Round Mounting Bracket

MST-MED-RND



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).