



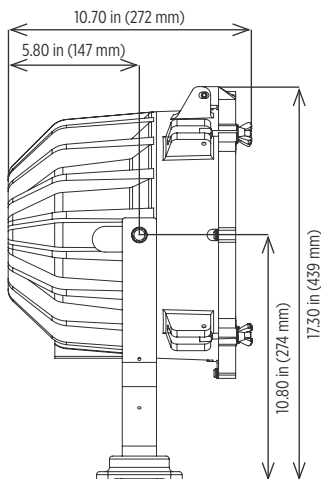
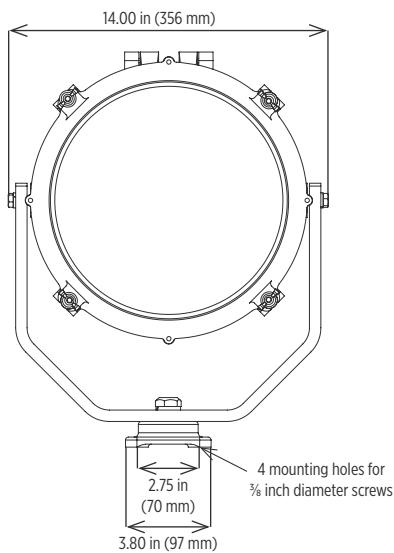
Super-rough service floodlight rated for wet locations

Designed to withstand the most extreme shock and vibration

For use in above-deck marine applications, industrial areas and other demanding environments

### Dimensions

#### MRS 64/1000



### Specifications

|                     |   |
|---------------------|---|
| <b>Construction</b> | Copper-free, cast aluminum housing and door   |
| <b>Finish</b>       | Phoenix green thermoset powder coat   |
| <b>Hardware</b>     | Stainless steel external hardware   |
| <b>Lens</b>         | Heat-resistant, heavy duty tempered clear cover lens - standard<br>Red and yellow accessories available |
| <b>Aiming</b>       | Dual axis with full grip locking levers   |
| <b>Light source</b> | Halogen - PAR64, 1000W<br>Extended mogul end prong lamps<br>Lamp not included                           |
| <b>Power source</b> | 120V, 60Hz  |
| <b>Wiring</b>       | 4 foot (1.2 m), 3-conductor SEO cord  |
| <b>Mounting</b>     | Copper-free, cast aluminum mounting bracket<br>Shock mount base option available (SMB)                  |
| <b>Weight</b>       | 22.0 lb (10.0 kg)   |
| <b>Warranty</b>     | 1 year  |

Contact factory for IES files

### Compliances

UL/cUL Listed to:

- UL 1598A Marine Outside Type (Saltwater)
- UL 1598 Suitable for Wet Locations

CSA Certified Indoor/Outdoor Type 4X  
ABS



# MRS 64/1000 Series

Super-rough Service Floodlight

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

## Ordering Information

Example: MRS64/1000

### Fixture

MRS64/1000

**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 (order separately)

### Wire Lens Guard

WG-4

### Red Glass Cover Lens

GL-R

### Yellow Glass Cover Lens

GL-Y

### Shock Mount Base

SMB



*Meets the requirements of the  
Buy American Act (BAA) and/or the  
American Recovery and Reinvestment Act (ARRA)*

Product design and specifications are subject to change without notice. The most current version of this specification sheet can be found on our website: [www.phoenixlighting.com](http://www.phoenixlighting.com).



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**N5431300K**  
10.30.15



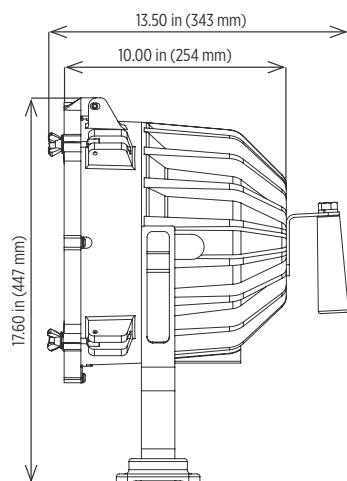
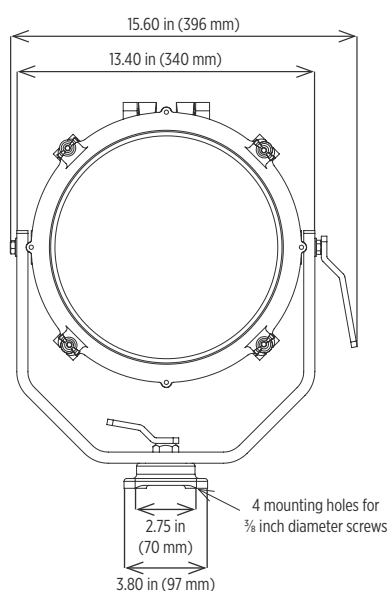
Heavy duty searchlight rated for wet locations

Designed for easy aiming

Simple, no-tool relamping and maintenance

For use in heavy duty marine environments

### Dimensions



### Specifications

|                     |  |
|---------------------|--|
| <b>Construction</b> | Copper-free cast aluminum housing  |
| <b>Finish</b>       | Phoenix green thermoset powder coat  |
| <b>Hardware</b>     | Stainless steel external hardware  |
| <b>Lens</b>         | Clear heat-resistant tempered cover lens   |
| <b>Aiming</b>       | Dual axis with full grip locking levers<br>Vertical - 55° up and 30° down<br>Horizontal - 360° |
| <b>Light source</b> | Halogen - PAR64, 1000W<br>Extended mogul end prong lamps<br>Lamp not included                  |
| <b>Power source</b> | 120V, 60Hz   |
| <b>Wiring</b>       | 4 foot (1.2 m), 3-conductor 16/3 SEO cord  |
| <b>Mounting</b>     | Copper-free aluminum mounting bracket  |
| <b>Weight</b>       | 30.0 lb (13.6 kg)  |
| <b>Warranty</b>     | 1 year   |

Contact factory for IES files

### Compliances

UL/cUL Listed to:

- UL 1598A Marine Outside Type (Saltwater)
- UL 1598 Suitable for Wet Locations

CSA Certified Indoor/Outdoor Type 4X

ABS



# MRS 64/1000S

Heavy Duty Searchlight

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

## Ordering Information

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Example: MRS64/1000S

**Fixture**

MRS64/1000S

**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 (order separately)

---

**Wire Lens Guard**

WG-4

**Red Glass Cover Lens**

GL-R

**Yellow Glass Cover Lens**

GL-Y

**Shock Mount Base**

SMB



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Buy American Act (BAA) and/or the  
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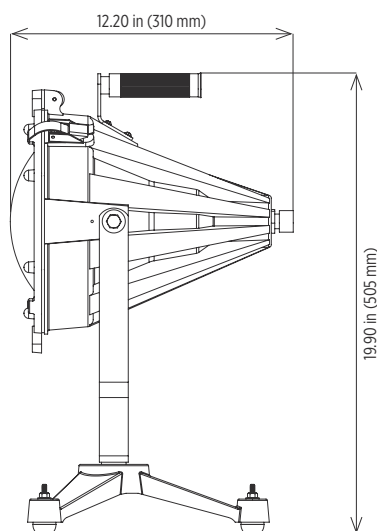
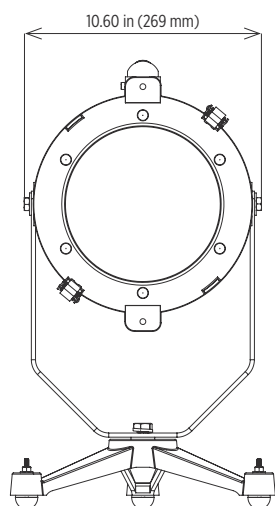
**N5440400H**  
11.09.15





Rough-service portable floodlight with a lightweight design for easy handling  
For use in maintenance areas, ground vehicles, confined entry spaces and other mobile lighting applications  
Incandescent and halogen models with an optional wire guard accessory

### Dimensions



### Specifications

|                     |   |
|---------------------|---|
| <b>Construction</b> | Marine grade, cast aluminum housing, door and tripod base   |
| <b>Finish</b>       | Yellow thermoset powder coat on housing and door  |
| <b>Hardware</b>     | Zinc plated   |
| <b>Lens</b>         | Convex, heat-resistant, heavy duty tempered glass   |
| <b>Light source</b> | Accepts PAR 56 incandescent lamps (up to 500W)<br>Lamp not included   |
| <b>Power source</b> | 120V or 12V DC  |
| <b>Wiring</b>       | 8.00 inch (203 mm) 18-3 power cord (120V fixture)<br>168.00 inch (4267 mm) 18-3 power cord with weather-tight male twist-lock connector (12V fixture) |
| <b>Mounting</b>     | Tripod base<br>Steel plated harp  |
| <b>Weight</b>       | 15.0 lb (6.8 kg)  |
| <b>Warranty</b>     | 1 year  |

Contact factory for IES files

### Compliances

- UL Listed to:
- UL 1598 Suitable for Wet Locations
  - UL 153 Portable Work Lights
- CSA Certified to:
- C22.2 No. 9
  - C22.2 No. 12
  - C22.2 No. 94



Meets the requirements of the  
Buy American Act (BAA) and/or the  
American Recovery and Reinvestment Act (ARRA)



# WT Portable

Wet Location Sturdilite® Floodlight

**PHOENIX®**  
DURABILITY X DESIGN™

## Ordering Information

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**Example:** WT120/56/500P

### Fixture

WT120/56/500P

WT12/56/300P-14P<sup>1</sup>

### Fixture

|                              |   |
|------------------------------|---|
| WT120/56/500P                | 120V fixture for mogul end prong lamp connection PAR 56 lamp fixture (500W maximum) with 8.00 inch (203 mm) cord  |
| WT12/56/300-14P <sup>1</sup> | 12V DC fixture for screw terminal lamp connection incandescent lamps (300W maximum) with 168.00 inch (4267 mm) cord and weather-tight male twist-lock connector |

### Notes

1 Not UL or CSA Listed

**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 (order separately)

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### Wire Lens Guard

WG-6

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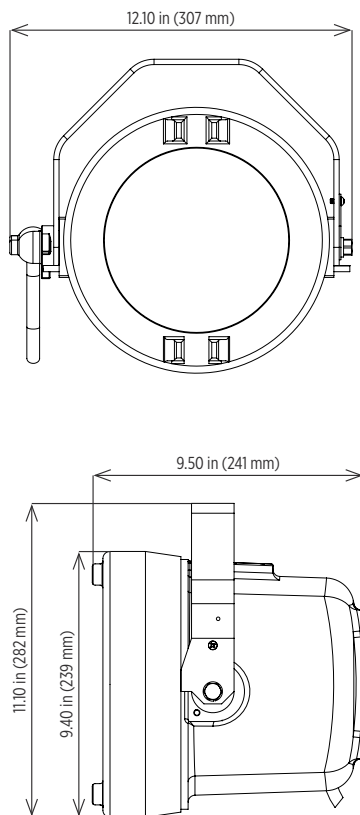
**N5462800H**  
11.12.15

## Explosion-proof Floodlight



Explosion-proof floodlight rated for hazardous and wet locations  
Maximum versatility with multiple lamp options and integral ballast  
For use in chemical plants, drilling rigs, refineries and other hazardous locations  
Grain model standard

### Dimensions



### Specifications

|                     |  |
|---------------------|--|
| <b>Construction</b> | Marine grade cast aluminum shell, cover and sealed fittings                    |
| <b>Finish</b>       | Yellow thermoset powder coat   |
| <b>Hardware</b>     | Zinc plated steel  |
| <b>Lens</b>         | ¾ inch thick tempered glass  |
| <b>Reflector</b>    | Aluminum specular finish   |
| <b>Light source</b> | 70W high pressure sodium<br>70W double-ended metal halide<br>Lamp not included |
| <b>Power source</b> | 120V, 60Hz - standard  |
| <b>Wiring</b>       | Three 72.00 inch 18 gauge stranded leads<br>Wire entrance is factory sealed    |
| <b>Mounting</b>     | Zinc plated steel harp   |
| <b>Weight</b>       | 16.0-19.0 lb (7.3-8.6 kg)  |
| <b>Warranty</b>     | 1 year   |

Contact factory for IES files

### Compliances

UL/cUL Listed to:

- UL 844 Suitable for Hazardous Location  
Class I, Division 1 Groups C & D  
Class II, Division 1 Groups F & G  
Class III
- UL 1598A Marine Outside Type (Saltwater)

CSA Type 4X/4, Hazardous Location  
Class I, Division 2 Groups C & D  
Class II, Division 1 Groups F & G  
Class III

See T Rating table on next page for specifics



Meets the requirements of the  
Buy American Act (BAA) and/or the  
American Recovery and Reinvestment Act (ARRA)



## Explosion-proof Floodlight

## Ordering Information

Example: SLX-70HPS-120

| Fixture | Wattage/Type     | Voltage |
|---------|------------------|---------|
| SLX     | 70HPS<br>70MH/DE | 120     |

## Wattage/Type

70HPS 70W high pressure sodium  
70MH/DE 70W double-ended metal halide

## Voltage

120 120V, 60Hz

**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.

## T Rating (Maximum Surface Temperature)

| Fixture Model No. | Lamp Wattage | Class I, Division 1 |                       | Class II, Division 1 |                       | Class III             |
|-------------------|--------------|---------------------|-----------------------|----------------------|-----------------------|-----------------------|
|                   |              | Group               | Max. Temp Code (F/C°) | Group                | Max. Temp Code (F/C°) | Max. Temp Code (F/C°) |
| SLX70HPS          | HPS-70       | C & D               | T4A 248/120           | F & G                | T3C 320/160           | T3C 320/160           |
| SLX70MH/DE        | MH-70        | C & D               | T4 275/135            | F & G                | T4 275/135            | T4 275/135            |

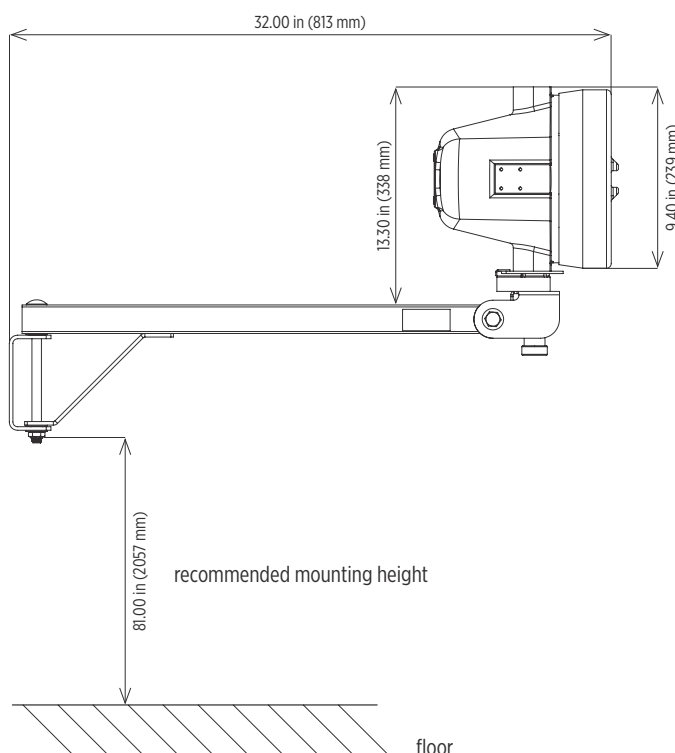
Product design and specifications are subject to change without notice. The most current version of this specification sheet can be found on our website: [www.phoenixlighting.com](http://www.phoenixlighting.com).





Explosion-proof task light rated for hazardous and wet locations  
Broad versatility with dual lamp options and integral ballast  
For use in chemical plants, drilling rigs, refineries and countless other hazardous locations

### Dimensions



### Specifications

|                     |  |
|---------------------|--|
| <b>Construction</b> | Corrosion-resistant, copper-free, cast aluminum shell and cover                              |
| <b>Finish</b>       | Yellow thermoset powder coat   |
| <b>Arm</b>          | 26.00 inch swing arm<br>1.50 inch square steel tube<br>Swings horizontally up to 180°        |
| <b>Head</b>         | Rotates up to 230° horizontally and 74° vertically   |
| <b>Reflector</b>    | Aluminum specular finish   |
| <b>Lens</b>         | ¾ inch thick tempered glass  |
| <b>Light source</b> | INC - PAR38, up to 150W<br>MH/DE - T6 with RSC base, 70W<br>Lamp not included                |
| <b>Power source</b> | 120V<br>Integral ballast (70MH/DE model)   |
| <b>Wiring</b>       | 72.00 inch (1.83 m) wire (required for CIDI applications)<br>Wire entrance is factory sealed |
| <b>Mounting</b>     | 3x5 inch zinc plated steel bracket   |
| <b>Weight</b>       | 25.0-28.0 lb (11.4-12.8 kg)  |
| <b>Warranty</b>     | 3 years  |

Contact factory for IES files

### Compliances

UL/cUL Listed to:

- UL 1598 Suitable for Wet Locations
- UL 1598A Marine Outside Type (Saltwater)
- UL 844 Suitable for Hazardous Locations\*
  - Class I, Division 1 Groups C & D
  - Class II, Division 1 Groups F & G
  - Class III
- CSA Type 4/4X

\*See T Rating chart on next page for specifics



Meets the requirements of the  
Buy American Act (BAA) and/or the  
American Recovery and Reinvestment Act (ARRA)



## Ordering Information

Example: DLX-INC

| Fixture | Wattage/Type                  |
|---------|-------------------------------|
| DLX     | INC <sup>1,2</sup><br>70MH/DE |

### Wattage/Type

INC <sup>1,2</sup> Incandescent (PAR 38; 150W max)  
70MH/DE 70W metal halide/double-ended

### Notes

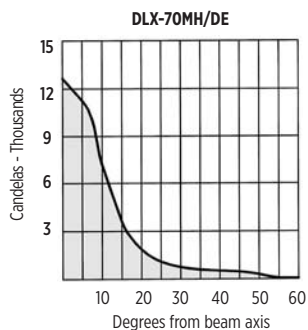
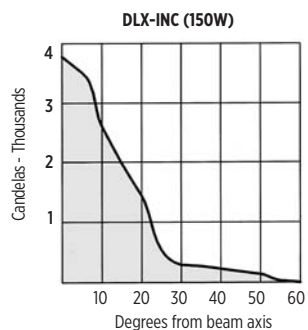
- 1 Fixtures 110W max are not UL Listed for Class II, Division 1 Group G
- 2 Fixtures 150W max are not UL Listed for Class II, Division 1 Groups F & G or Class III

**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.

## T Rating (Maximum Surface Temperature)

| Class I, Division 1 |       |                       | Class II, Division 1 |                       | Class III             |                          |
|---------------------|-------|-----------------------|----------------------|-----------------------|-----------------------|--------------------------|
| Lamp Wattage        | Group | Max. Temp Code (F/C°) | Group                | Max. Temp Code (F/C°) | Max. Temp Code (F/C°) | Max. Ambient Temp (F/C°) |
| 110INC              | C & D | T3B 329/165           | F                    | T3 392/200            | -                     | 104/40                   |
| 150INC              | C & D | T3B 329/165           | -                    | -                     | -                     | 104/40                   |
| 70MH/DE             | C & D | T4 275/135            | F & G                | T4 275/135            | T4 275/135            | 104/40                   |

## Photometrics



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



## Cube-Light

### 13W LED Area Light

Australian Design No. 359170  
US Patent Pending

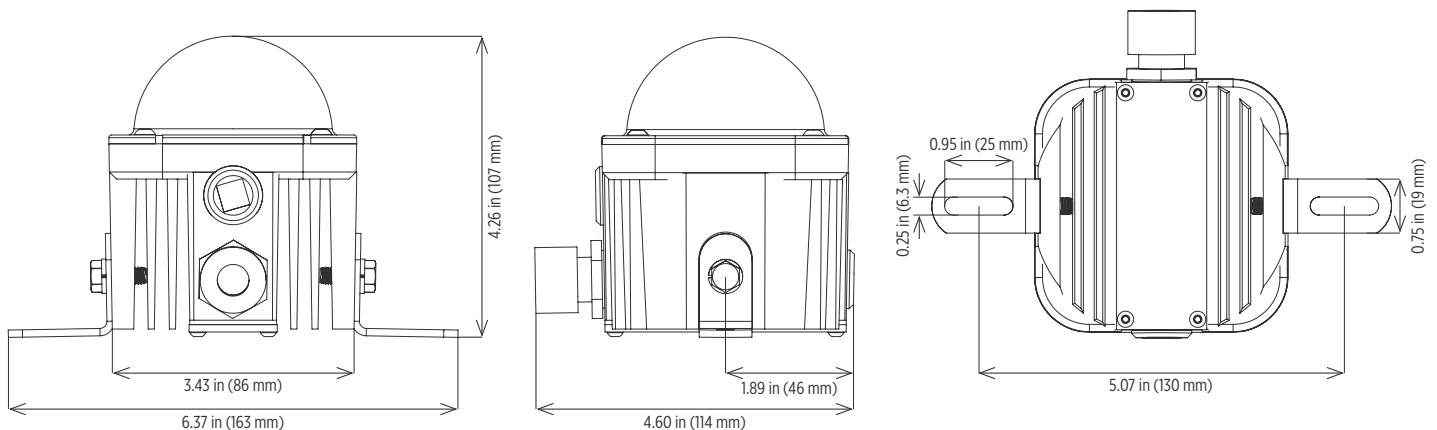
13W fixture delivers up to 1000 lumens to doorways, walkways, cabins or other small areas

Competitive pricing with short lead times

Various mounting options for maximum versatility

LED technology increases efficiency, eliminates maintenance and supports green initiatives

## Dimensions





# Cube-Light

## 13W LED Area Light

### Specifications

|                                      |  |
|--------------------------------------|--|
| <b>Construction</b>                  | Cast aluminum housing  |
| <b>Finish</b>                        | White thermoset powder coat  |
| <b>Hardware</b>                      | Marine grade (316) stainless steel   |
| <b>Lens</b>                          | Impact-resistant, diffuse polycarbonate<br>Diffuse red and green lens accessories available (RED-CL, GRN-CL)   |
| <b>Light source</b>                  | 13W, up to 1000 lumens<br>Conformal coating<br>CRI ≥ 80<br>CCT 5000K<br>50,000 hour rated life   |
| <b>Power source</b>                  | 120V, 50/60Hz<br>240V, 50/60Hz<br>13-27V DC  |
| <b>Wiring</b>                        | Stranded wires<br>Cord not included - standard<br>72.00 inch (1829 mm) cord with pigtail option (CD)<br>NEMA 5-15 plug (120V only) sold separately (PLG-515) |
| <b>Through wiring</b>                | Continuous row mounting option (TW)  |
| <b>EMB</b>                           | Contact factory  |
| <b>Ambient operating temperature</b> | -30°C to +50°C   |
| <b>Mounting</b>                      | Flush mount brackets - standard<br>Harp mount available<br>Rail mount available - 2.00 inch overall diameter<br>Fixture can be mounted in any orientation    |
| <b>Weight</b>                        | 2.0 lb (0.9 kg)  |
| <b>Warranty</b>                      | 3 years  |

Contact factory for IES files

### Compliances

UL/cUL Listed to:

- UL 1598 Suitable for Wet Locations
- UL 1598A Marine Outside Type (Saltwater)
- CSA C22.2 No. 250.0

CE

IP66 rated

LM79 and LM80 reports available



The Cube-Light on an STS crane





## Ordering Information

Example: CL-13LED-120

| Fixture | Wattage/Type | Voltage          | Options |
|---------|--------------|------------------|---------|
| CL      | 13LED        | 120 <sup>1</sup> | CD      |
|         |              | 240 <sup>2</sup> | TW      |
|         |              | DC <sup>3</sup>  |         |

### Voltage

120 <sup>1</sup> 120V, 50/60Hz  
240 <sup>2</sup> 240V, 50/60Hz  
DC <sup>3</sup> 13-27V DC

### Options

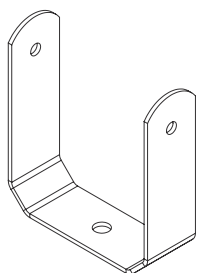
CD 72.00 inch (1829 mm) cord with pigtail option  
TW Continuous row mounting

### Notes

- 1 UL/cUL listed
- 2 CE listed
- 3 No certifications

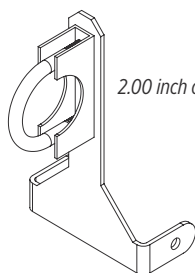
**Special Projects:** We may be able to accommodate your special projects, so please don't hesitate to ask about additional options. Minimum order quantities and/or extended lead times will apply. Contact your Phoenix representative with specific inquiries.

## Mounting (order separately)



### Harp Mount

HRP-CL

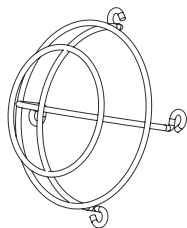


### Rail Mount

RLMT-CL  
Contact factory

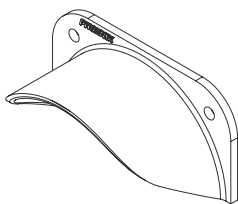
*Flush mount comes standard with fixture*

## Accessories (order separately)



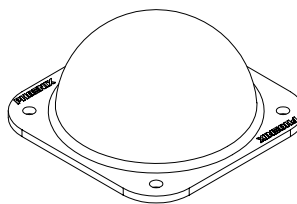
### Wire Guard Kit

WG-CL



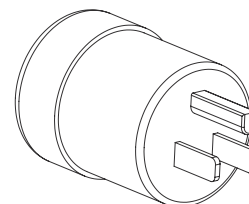
### Visor Kit

VSR-CL



### Color Lens Kits

RED-CL red lens kit  
GRN-CL green lens kit



### NEMA 5-15 plug (120V only)

PLG-515



# Cube-Light

13W LED Area Light

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

*Cover photo: Cube-Light shown flush mounted along an accessway on a ship-to-shore crane*

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**N5485010H**  
11.17.15



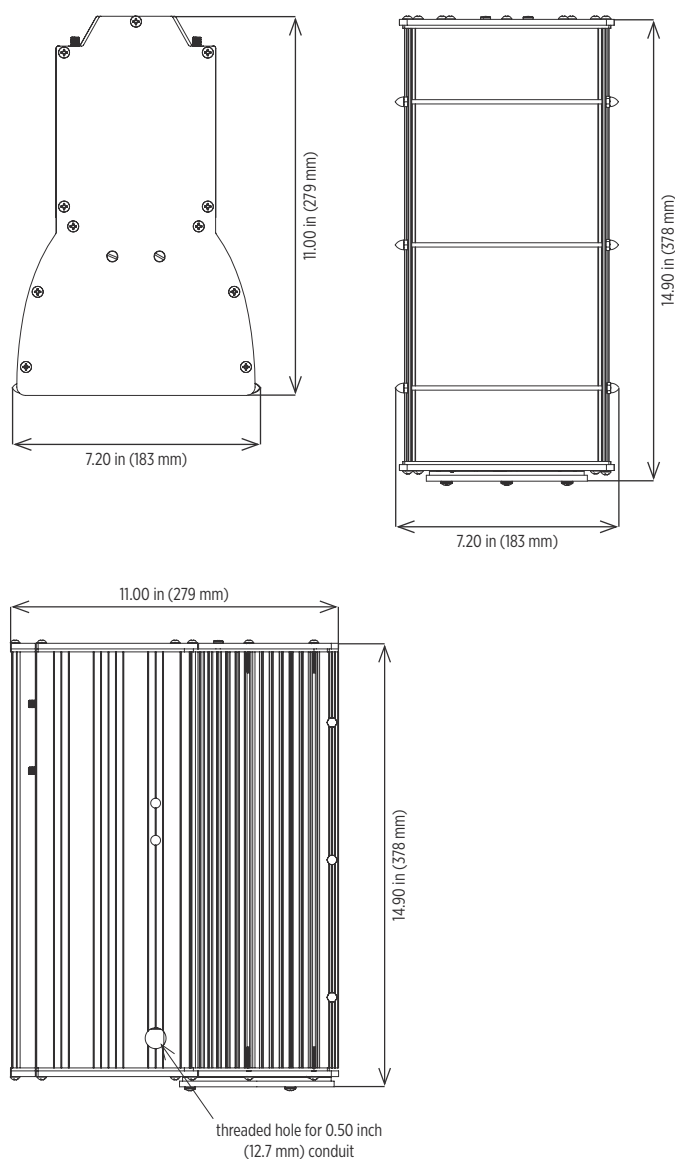
Heavy duty floodlight rated for hazardous and wet locations

Designed to withstand extreme shock and vibration

Available in HPS and Metal Halide models with various wattage, voltage and mounting options

For use in heavy duty marine environments and in other demanding applications

### Dimensions



### Specifications

|                                      |  |
|--------------------------------------|--|
| <b>Construction</b>                  | Corrosion-resistant, copper-free aluminum housing<br>Precision specular aluminum reflector   |
| <b>Finish</b>                        | Thermoset powder coat  |
| <b>Hardware</b>                      | Stainless steel  |
| <b>Lens</b>                          | Tempered glass   |
| <b>Light source</b>                  | High pressure sodium - E-18; 250W or 400W<br>Metal halide - BT28; 250W or 400W<br>Easy lamp access<br>Lamps not included   |
| <b>Power source</b>                  | Quad volt - 120/208/240/277V - standard<br>480V option   |
| <b>Ambient operating temperature</b> | 40°C maximum   |
| <b>Mounting</b>                      | Mounting accessories sold separately<br>Copper-free aluminum mounting bracket<br>Dual axis bracket positioning<br>Vertical harp mounting kit (VMK-MSD2)<br>Horizontal harp mounting kit (HMK-MSD2) |
| <b>Warranty</b>                      | 1 year   |

Contact factory for IES files

### Compliances

UL/cUL Listed to:

- UL 1598 Ordinary Wet Locations
- UL 1598A Marine Outside Type (Saltwater)
- UL 844 Hazardous Location
  - Class I, Division 2 Groups A, B, C & D
  - (40°C maximum ambient temperature)
  - (250W HPS model only)
  - (Minimum 15°C up from vertical)

CSA Certified Indoor/Outdoor Type 4X



Meets the requirements of the  
Buy American Act (BAA) and/or the  
American Recovery and Reinvestment Act (ARRA)



# MSD Quad Volt

## Heavy Duty Floodlight

### Ordering Information

Example: MSD-250MH-QV

| Fixture | Wattage | Voltage |
|---------|---------|---------|
| MSD     | 250MH   | QV      |
|         | 400MH   | 480V    |
|         | 250HPS  |         |
|         | 400HPS  |         |

#### Wattage

|        |                               |
|--------|-------------------------------|
| 250MH  | 250 watt metal halide         |
| 400MH  | 400 watt metal halide         |
| 250HPS | 250 watt high pressure sodium |
| 400HPS | 400 watt high pressure sodium |

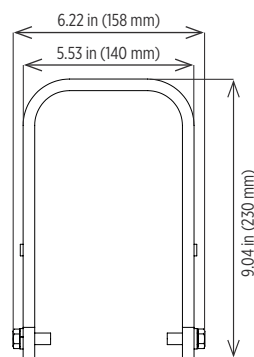
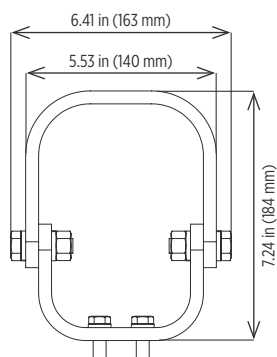
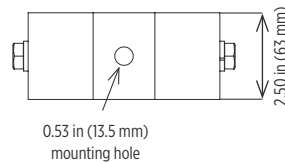
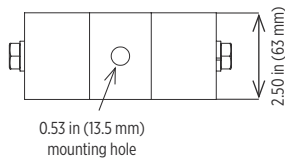
#### Voltage

|      |           |
|------|-----------|
| QV   | Quad volt |
| 480V | 480 volts |

**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 (order separately)

*Mounting kits are not included - order one mounting kit for complete installation*



#### Vertical Harp Mounting Kit

VMK-MSD2

#### Horizontal Harp Mounting Kit

HMK-MSD2

Product design and specifications are subject to change without notice. The most current version of this specification sheet can be found on our website: [www.phoenixlighting.com](http://www.phoenixlighting.com).



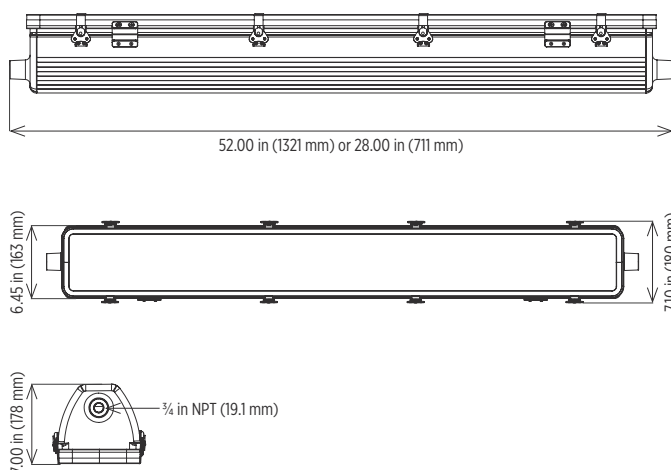
Linear fluorescent fixture UL rated for hazardous and wet locations

Designed for corrosive, high-vibration environments

For use in wastewater treatment plants, oil refineries, off-shore supply ships and drilling rigs

Available in two or four foot lengths

### Dimensions



### Specifications

|                                      |   |
|--------------------------------------|---|
| <b>Construction</b>                  | Corrosion-resistant, marine grade, low-copper content extruded aluminum body<br>Cast aluminum end caps<br>Thermoset white polyester powder coated reflector |
| <b>Hardware</b>                      | Zinc plated latches   |
| <b>Lens</b>                          | Clear acrylic lens  |
| <b>Light source</b>                  | 17W, 32W or 54W linear fluorescent models available<br>Lamps not included   |
| <b>Power source</b>                  | 120-277V, 50/60Hz (UNIV)<br>Low temperature ballast   |
| <b>Wiring</b>                        | 3/4 inch NPT threaded holes on both ends  |
| <b>Ambient operating temperature</b> | 40°C maximum  |
| <b>Mounting</b>                      | Offset mounting bracket (MB-O) - standard<br>45° offset mounting kit (MK-O)   |
| <b>Weight</b>                        | 2 foot - 27.0 lb (12.3 kg)<br>4 foot - 37.0 lb (16.8 kg)  |
| <b>Warranty</b>                      | 1 year  |

Contact factory for IES files

### Compliances

UL/cUL Listed to:

- UL 1598A Marine Outside Type (Saltwater) (US UL only)
- UL 844 Hazardous Location
  - Class I, Division 2 Groups A, B, C & D
  - Class I, Zone 2 Groups IIA, IIB, IIB+H2, IIC
- UL 924 Emergency Lighting Equipment for use in Hazardous Locations (US UL only)



Meets the requirements of the  
Buy American Act (BAA) and/or the  
American Recovery and Reinvestment Act (ARRA)



# LFAR Series

Hazardous Rated Fluorescent

## Ordering Information

Example: LFAR-2-17-UNIV

| Fixture | Lamps | Wattage/Type  | Voltage | Options          |
|---------|-------|---|---------|------------------|
| LFAR    | 2     | 17 <sup>1</sup><br>32 <sup>1,2</sup><br>54 <sup>1</sup> | UNIV    | EMB <sup>2</sup> |

| Wattage/Type                                     | Voltage                | Options                            |
|--|------------------------|------------------------------------|
| 17 <sup>1</sup> F17 T8 (medium bi-pin, 2 foot)   | UNIV 120-277V, 50/60Hz | EMB <sup>2</sup> Emergency ballast |
| 32 <sup>1,2</sup> F32 T8 (medium bi-pin, 4 foot) |                        |                                    |
| 54 <sup>1</sup> F54 T5HO (mini bi-pin, 4 foot)   |                        |                                    |

### Notes

- 1 Electronic ballast - standard
- 2 Emergency ballast option available on 32W model only

**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



### 45° Offset Mounting Kit

MK-O

Product design and specifications are subject to change without notice. The most current version of this specification sheet can be found on our website: [www.phoenixlighting.com](http://www.phoenixlighting.com).





Designed to operate in harsh environments characterized by shock, vibration and airborne debris

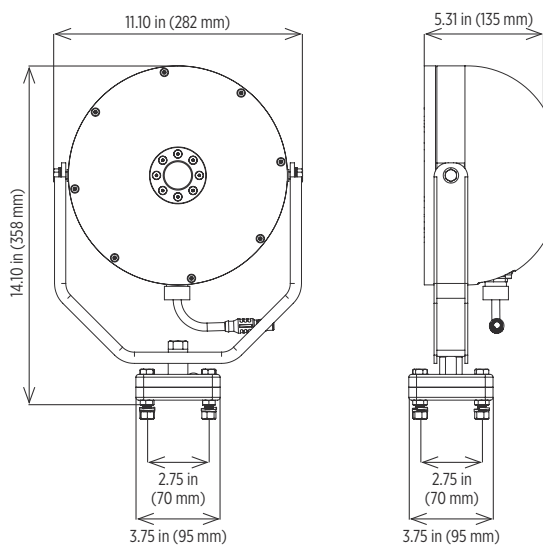
For installation on earth-moving equipment such as mining shovels, haul trucks, and draglines

Converts the heat signatures of objects in its view into images displayed on in-cab monitor enabling the operator to “see” through dust, rain, snow, smoke and fog

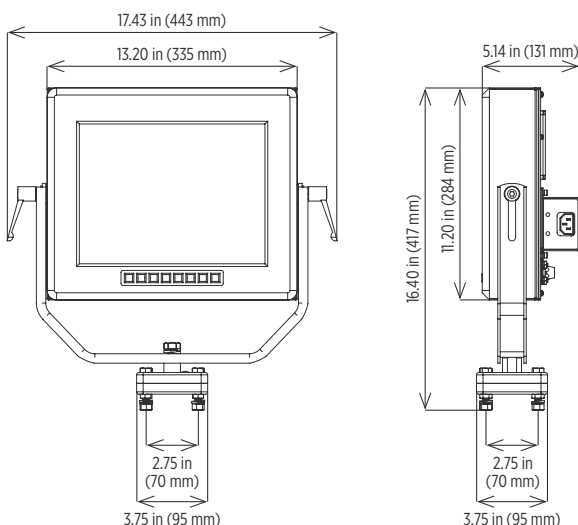
Increases safety on job sites and raises profitability by reducing wait times

### Dimensions

#### Imager



#### Monitor



### Specifications

|                                      |   |
|--------------------------------------|---|
| <b>Construction</b>                  | Marine grade aluminum imager housing<br>Steel monitor housing   |
| <b>Finish</b>                        | White thermoset powder coat on imager housing and shock mount base<br>Black thermoset powder coat on monitor housing and shock mount base   |
| <b>Hardware</b>                      | Stainless steel hardware  |
| <b>Lens</b>                          | Replaceable germanium lens  |
| <b>Imager</b>                        | 320 x 240 VOx uncooled LWIR sensor<br>19 mm focal length - 36° HFOV x 27° VFOV<br>Visible range 985 feet (300 m)<br>Hermetically sealed against airborne particulate<br>Less than one second from startup to image<br>Automatic image optimization (AGC)<br>Built-in heater |
| <b>Monitor</b>                       | LCD flat panel screen with anti-reflective coating<br>10.40 inch (264 mm) - standard<br>Absorbs up to 50g shock   |
| <b>Power source</b>                  | Multi-volt AC (120-230V, 50/60Hz) - standard<br>Low voltage 12V or 24V DC-DC power supply options   |
| <b>Wiring</b>                        | 30 meter cable assembly standard with complete unit (connects imager and monitor)   |
| <b>Ambient operating temperature</b> | -40°C to +80°C (imager)   |
| <b>Mounting</b>                      | Steel mounting bracket on shock mount base  |
| <b>Weight</b>                        | Imager housing: 15.0 lb (6.8 kg)<br>Monitor housing: 17.0 lb (7.7 kg)   |
| <b>Warranty</b>                      | 1 year  |

Contact factory for IES files



## Ordering Information

Example: IS1000-00

| System | Type            | Additional Voltage Options <sup>2</sup> |
|--------|-----------------|---|
| IS1000 | 00 <sup>1</sup> | 12V                                     |
|        | 00S             | 24V                                     |

| Type            |                                     | Additional Voltage Options <sup>2</sup> |          |
|-----------------|-------------------------------------|---|----------|
| 00 <sup>1</sup> | NTSC video output, 30Hz frame rate  | 12V                                     | 12 volts |
| 00S             | NTSC video output, 7.5Hz frame rate | 24V                                     | 24 volts |

### Notes

- 1 This equipment may require US Government authorization for export purposes. Diversion contrary to US law is prohibited.
- 2 Multi-volt AC (120-230V, 50/60Hz) - standard

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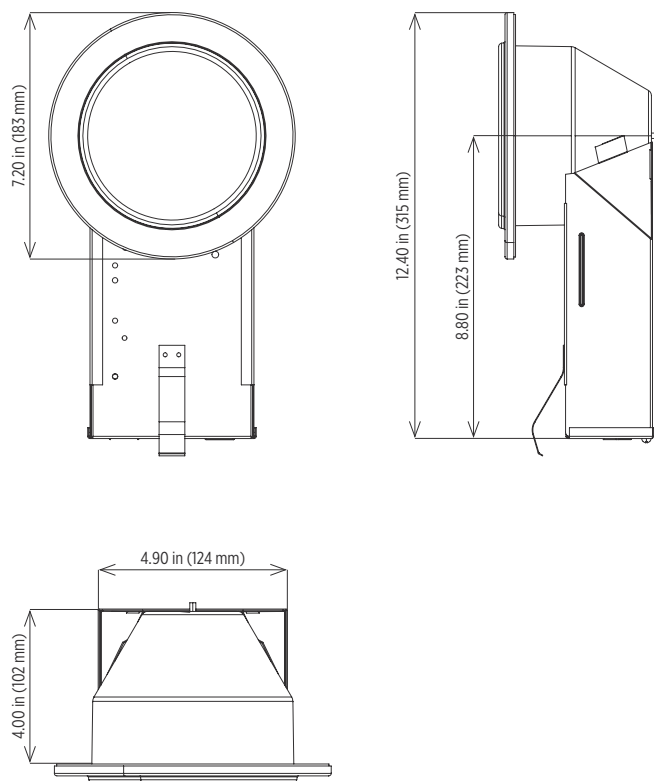






Marine indoor recessed downlight  
Durable, marine grade components offer resistance against corrosion and high vibration  
Accommodates one 32W compact fluorescent lamp

## Dimensions



## Specifications

|                                      |   |
|--------------------------------------|---|
| <b>Construction</b>                  | Corrosion-resistant, zinc plated steel body and trim<br>Highly specular aluminum reflector  |
| <b>Finish</b>                        | White polyester powder coat   |
| <b>Hardware</b>                      | Stainless steel   |
| <b>Lens</b>                          | Red and clear acrylic diffuser options available  |
| <b>Light source</b>                  | Accepts 32W compact fluorescent<br>Triple tube, four pin base<br>CCT 4100K<br>Lamp included |
| <b>Power source</b>                  | 120V, 60Hz<br>Class P ballast<br>Sound rated Class A<br>Three-pole terminal block           |
| <b>Wiring</b>                        | ½ and ¾ inch NPT knockouts  |
| <b>Ambient operating temperature</b> | +25°C   |
| <b>Mounting</b>                      | Recessed ceiling  |
| <b>Warranty</b>                      | 1 year  |

Contact factory for IES files

## Compliances

UL/cUL Listed to:

- UL 1598A (US only)  
Marine Type Electric Fixture, Inside Dripproof Type, Type Non-IC
- UL 1598 Suitable for Wet Locations

ABS



## Ordering Information

---

### Fixture

Example: RDL-32

| Fixture          | Wattage |
|------------------|---------|
| RDL <sup>1</sup> | 32      |

### Lens

Example: RDLT-RSA

| Fixture           | Lens |
|-------------------|------|
| RDLT <sup>2</sup> | RSA  |
|                   | CSA  |
|                   | RA   |
|                   | CA   |

### Lens

|     |                      |
|-----|----------------------|
| RSA | Red sealed acrylic   |
| CSA | Clear sealed acrylic |
| RA  | Red acrylic          |
| CA  | Clear acrylic        |

### Notes

- 1 Includes lamp and trim with no lens
- 2 Standard fixture includes trim with no lens

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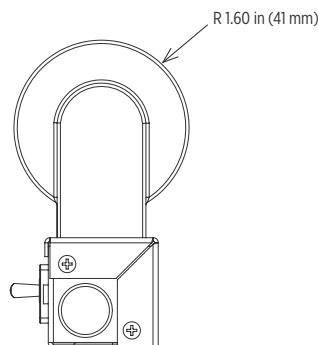
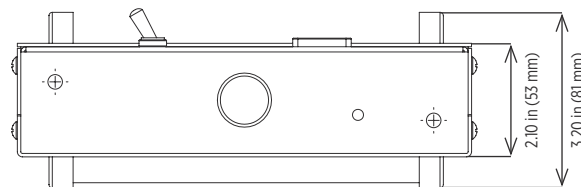
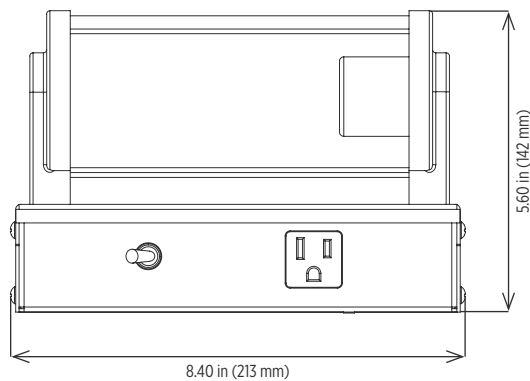


## Incandescent Berth & Mirror Light



Below-deck, incandescent berth and mirror fixture  
Marine grade components offer resistance against corrosion  
Certified by ABS

### Dimensions



### Specifications

|                     |  |
|---------------------|--|
| <b>Construction</b> | Corrosion-resistant, marine grade, low-copper content aluminum alloy housing, end caps and reflector<br>High-reflectance white powder coat finish on reflector |
| <b>Hardware</b>     | Stainless steel external hardware  |
| <b>Light source</b> | 60W A19 incandescent<br>Lamp not included  |
| <b>Wiring</b>       | 120V three-wire convenience outlet<br>Single pole toggle type switch   |
| <b>Mounting</b>     | Wall mount   |
| <b>Warranty</b>     | 1 year   |

Contact factory for IES files

### Compliances

UL/cUL Listed to:

- UL 1598 Suitable for Ordinary Locations
- UL 1598A Marine Inside Type

ABS

### Ordering Information

Example: IBM-60-A

| Fixture | Wattage | Type |
|---------|---------|------|
| IBM     | 60      | A    |

| Wattage | Type               |
|---------|--------------------|
| 60 60W  | A A19 incandescent |

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Explosion-proof fluorescent fixture UL rated for hazardous and wet locations

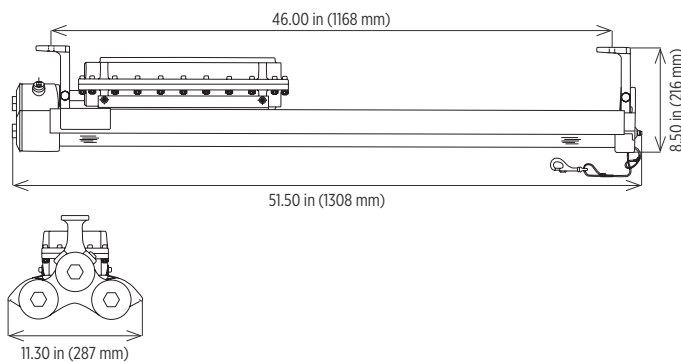
Marine grade components for superior corrosion resistance

For use in chemical plants, drilling rigs, refineries and paint spray booths

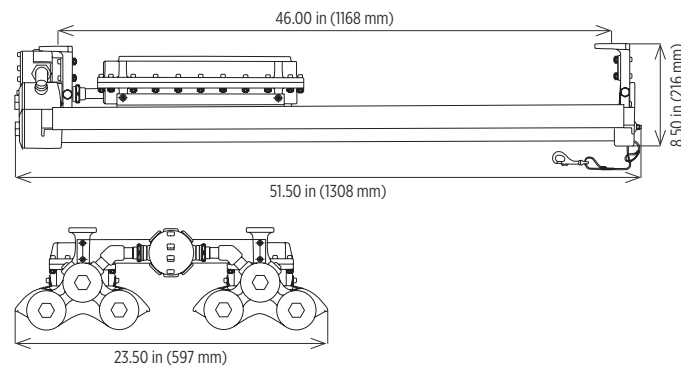
Available in two and four foot lengths with two or four lamps

### Dimensions

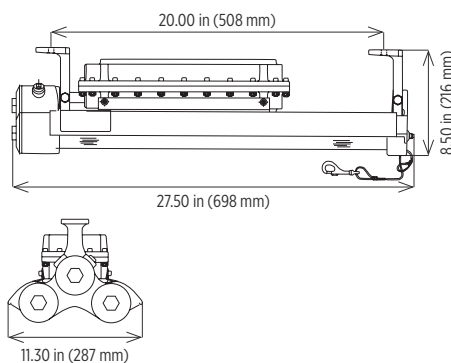
#### Two lamps



#### Four lamps



#### 2 foot



### Specifications

|                                      |  |
|--------------------------------------|--|
| <b>Construction</b>                  | Marine grade, low-copper content aluminum housing        |
|                                      | Factory sealed and pre-lamped                            |
|                                      | Heavy gauged extruded aluminum reflective hood           |
|                                      | Threaded cast end caps                                   |
| <b>Light source</b>                  | 17W, 32W and 54W fluorescent lamps                       |
| <b>Power source</b>                  | 120-277V, 50/60Hz (UNIV)                                 |
|                                      | Thermally protected (Class P) cold-weather rated ballast |
| <b>Ambient operating temperature</b> | 40°C maximum   |
| <b>Mounting</b>                      | Allows for horizontal axis aiming                        |
| <b>Warranty</b>                      | 1 year   |

Contact factory for IES files

### Compliances

UL/cUL Listed to:

- UL 1598A Marine Outside Type (Saltwater)
- UL 844 Hazardous Location
  - Class I, Division 1 Groups C & D
  - Class II, Divisions 1 & 2 Groups E, F & G
- UL 924 Emergency Ballasted Units



# LFXB Series

Explosion-proof Fluorescent

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

## Ordering Information

Example: LFXB-2-2-17-UNIV

| Fixture | Length | Lamps | Wattage/Type | Voltage | Options            |
|---------|--------|-------|--------------|---------|--------------------|
| LFXB    | 2      | 2     | 17           | UNIV    | EMB <sup>1,2</sup> |
|         | 4      | 4     | 32           |         |                    |
|         |        |       | 54           |         |                    |

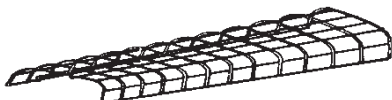
| Length   | Wattage/Type                       | Voltage                | Options                                     |
|----------|------------------------------------|------------------------|---|
| 2 2 foot | 17 F17 T8 (medium bi-pin, 2 foot)  | UNIV 120-277V, 50-60Hz | EMB <sup>1,2</sup> Emergency battery backup |
| 4 4 foot | 32 F32 T8 (medium bi-pin, 4 foot)  |                        |   |
|          | 54 F54 T-5HO (mini bi-pin, 4 foot) |                        |   |

### Notes

- 1 Available in two lamp version only
- 2 Not cUL listed

**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



### Wire Lens Guard

WG-B2 (2 foot units)  
WG-B4 (4 foot units)  
*per two lamps*

## T Rating (Maximum Surface Temperature)

| Listing                             | 2-Lamp    | 4-Lamp    |
|-------------------------------------|-----------|-----------|
| Class I, Div 1 Groups C & D         | 85 (T6)   | 85 (T6)   |
| Class II, Div 1 & 2 Groups E, F & G | 165 (T3B) | 165 (T3B) |
| Simultaneous Presence C1 & C2       | 165 (T3B) | 165 (T3B) |



Meets the requirements of the  
Buy American Act (BAA) and/or the  
American Recovery and Reinvestment Act (ARRA)

Product design and specifications are subject to change without notice. The most current version of this specification sheet can be found on our website: [www.phoenixlighting.com](http://www.phoenixlighting.com).



Phoenix Products Company Inc. 8711 West Port Avenue Milwaukee, WI 53224 USA  
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N5499750H  
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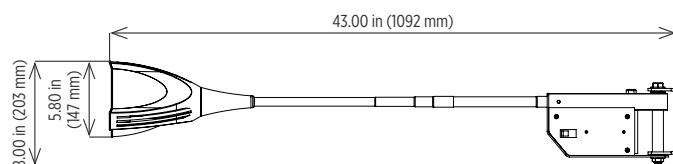
10W dock light designed to replace up to 150W incandescent light heads

Sleek, compact design utilizes durable polymer housing

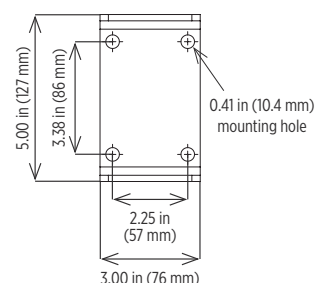
Flexible arm and hinged bracket allow for fixture to swing away upon impact

LED technology increases efficiency, eliminates maintenance and supports green initiatives

### Dimensions



### Mounting Plate



### Specifications

|                                      |   |
|--------------------------------------|---|
| <b>Construction</b>                  | Polycarbonate polymer housing   |
| <b>Hardware</b>                      | Zinc plated steel   |
| <b>Arm</b>                           | Flexible tubing includes a coiled spring  |
| <b>Light source</b>                  | Conformal coated LED board components<br>10W, 942 lumens<br>CCT 5000K<br>50,000 hour rated life |
| <b>Power source</b>                  | On/off 125V 15A rocker switch<br>Three-prong plug (NEMA 5-15)                                   |
| <b>Surge protection</b>              | 4 kV  |
| <b>Ambient operating temperature</b> | 5°C to +25°C  |
| <b>Mounting</b>                      | 3x5 inch zinc plated steel bracket  |
| <b>Weight</b>                        | Packaged: 12.0 lb (5.4 kg)  |
| <b>Warranty</b>                      | 1 year  |

### Compliances

UL/cUL Listed to:

- UL 153 Portable Luminaires

LM79 report available

### Ordering Information

**Example:** DLP-FLEX-LED

| Fixture | Type | Lamp |
|---------|------|------|
| DLP     | FLEX | LED  |

**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.

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**PHOENIX®**  
DURABILITY X DESIGN™

## Sturdilite® E-DC Series

Low-voltage LED Floodlight



E36

E56

E90

Durable, economic line of LED fixtures

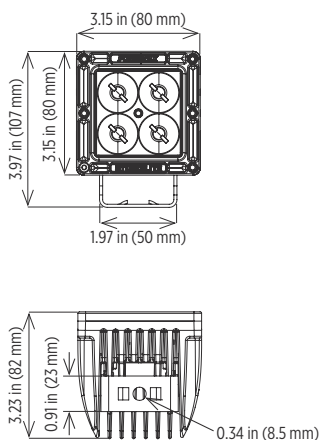
Lightweight, compact design ideal for use on mobile equipment

Spot and flood optics minimize glare and provide precise optical control

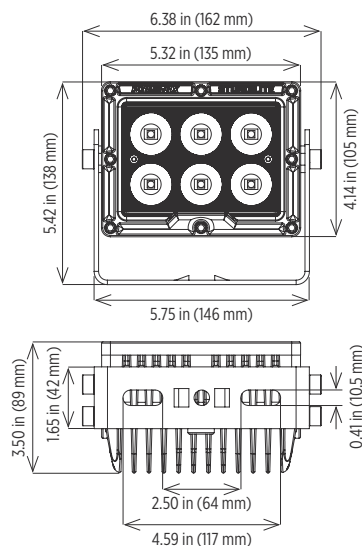
LED technology increases efficiency, eliminates maintenance and supports green initiatives

### Dimensions

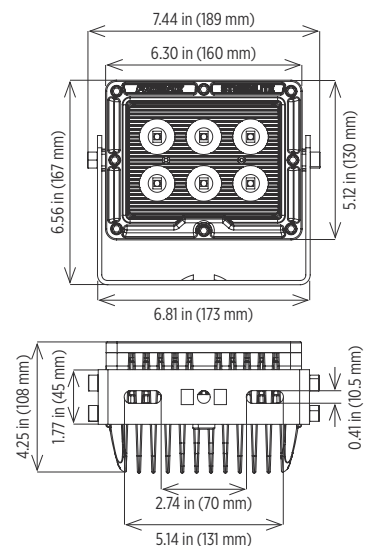
E36



E56



E90





# Sturdilite® E-DC Series

## Low-voltage LED Floodlight

### Specifications

|                                      |  |
|--------------------------------------|--|
| <b>Construction</b>                  | Die cast aluminum housing  |
| <b>Finish</b>                        | Black powder coat  |
| <b>Hardware</b>                      | Stainless steel  |
| <b>Lens</b>                          | Impact-resistant polymer<br>Spot (SP) and flood (FL) optics<br>Precise optical control minimizes glare   |
| <b>Light source</b>                  | Cree light emitting diodes (LED)<br>36W (E36), 56W (E56) or 90W (E90)<br>Effective lumens: up to 2400 lumens (36W), 4500 lumens (56W) and 7100 lumens (90W)<br>CCT 6000K<br>50,000 hour rated life                   |
| <b>Power source</b>                  | 12-48V DC<br>18.00 inch cord with Deutsch connector - standard<br>Over-voltage , over-temperature and reverse polarity protection  |
| <b>Wiring</b>                        | Stranded wires   |
| <b>Ambient operating temperature</b> | -40°C to +65°C<br>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>                        | 90° aiming capability  |
| <b>Mounting</b>                      | Stainless steel harp   |
| <b>Weight</b>                        | E36 fixture: 1.3 lb (0.6 kg)<br>case (12 fixtures): 20.9 lb (9.5 kg)<br>E56 fixture: 4.2 lb (1.9 kg)<br>case (6 fixtures): 22.0 lb (10.0 kg)<br>E90 fixture: 7.1 lb (3.2 kg)<br>case (6 fixtures): 39.7 lb (18.0 kg) |
| <b>Case size</b>                     | E36: 17.32 in x 10.04 in x 10.04 in (440 mm x 255 mm x 255 mm)<br>E56: 20.47 in x 7.87 in x 9.84 in (520 mm x 200 mm x 250 mm)<br>E90: 27.95 in x 17.32 in x 6.69 in (710 mm x 440 mm x 170 mm)                      |
| <b>Warranty</b>                      | 3 years  |

Contact factory for IES files

### Certifications

IP67



Sturdilite® E36 on a haul truck





## Ordering Information

---

Example: E-36-SP

| Fixture | Wattage | Optic |
|---------|---------|-------|
| E       | 36      | SP    |
|         | 56      | FL    |
|         | 90      |       |

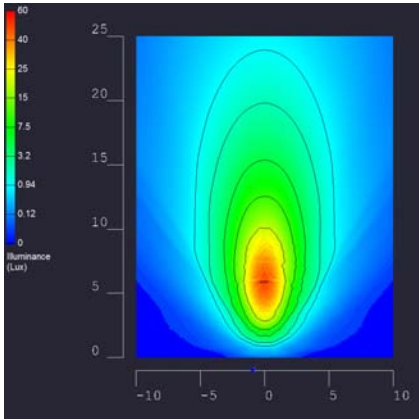
| Wattage |                                  | Optic |            |
|---------|----------------------------------|-------|------------|
| 36      | 36W, up to 2400 effective lumens | SP    | Spot (SP)  |
| 56      | 56W, up to 4500 effective lumens | FL    | Flood (FL) |
| 90      | 90W, up to 7100 effective lumens |       |            |

**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.

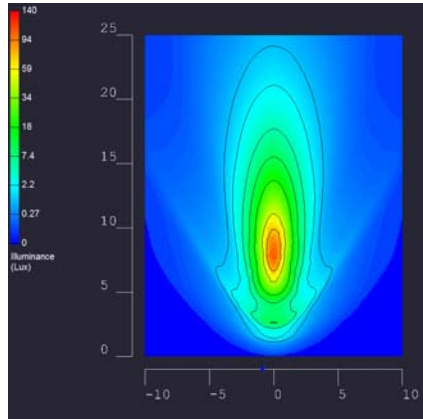


## Isolux Charts

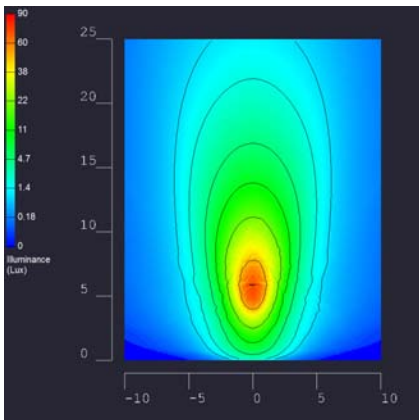
E36 - Flood



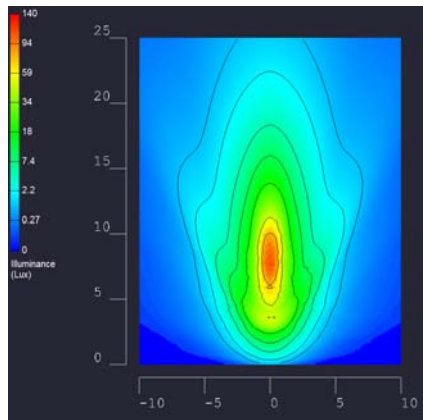
E36 - Spot



E56 - Flood



E56 - Spot



Cover photo: Sturdilite® E36 fixture installed on a haul truck

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**PHOENIX®**  
DURABILITY X DESIGN™



## DLA LED *docklite*®

### 16W Modular LED Loading Dock Light Head

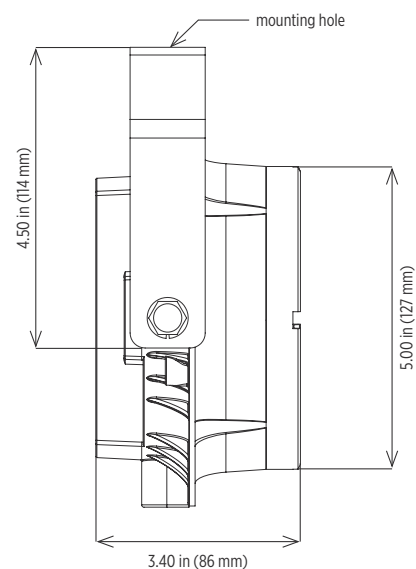
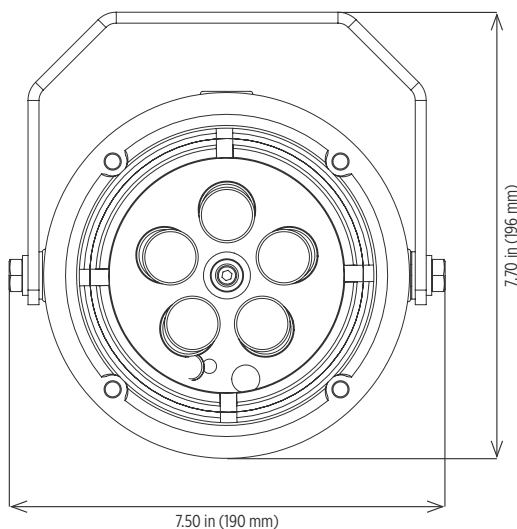
16W dock light designed to replace up to 150W incandescent light heads

Delivers approximately six foot candles to the nose of a 53 foot trailer

Durable, compact design to endure accidental impact

LED technology increases efficiency, eliminates maintenance and supports green initiatives

### Dimensions



# DLA LED *docklite*

## 16W Modular LED Loading Dock Light Head

### Specifications

|                                      |   |
|--------------------------------------|---|
| <b>Construction</b>                  | Low-copper content aluminum housing   |
| <b>Finish</b>                        | Safety yellow powder coat   |
| <b>Hardware</b>                      | Stainless steel   |
| <b>Lens</b>                          | Impact-resistant clear polycarbonate (CP)   |
| <b>Light source</b>                  | Cree XP-E light emitting diodes (LED)<br>16W, 789 lumens (fixture)<br>22° beam angle<br>CCT 6300K<br>50,000 hour rated life                         |
| <b>Power source</b>                  | 100-277V, 50/60Hz   |
| <b>Wiring</b>                        | 22.00 inch (559 mm) cord<br>Plug with recessed 3-prong IEC type (C-14) plug (120V, 60Hz only) - standard<br>NEMA 5-15 plug option (120V, 60Hz only) |
| <b>Ambient operating temperature</b> | -30°C to +25°C  |
| <b>Mounting</b>                      | Zinc plated steel bracket<br>0.50 inch (12.7 mm) mounting hole clearance  |
| <b>Weight</b>                        | Fixture: 3.9 lb (1.8 kg)<br>Packaged: 5.2 lb (2.4 kg)   |
| <b>Warranty</b>                      | 3 years   |

Contact factory for IES files

### Compliances

ETL/cETL Certified to:

- UL 153 Portable Work Lights
- CSA C22.2 No. 12 Portable Luminaires

CE

ABS

IP67 rated (fixture)

LM79 and LM80 reports available



DLA-16LED mounted in a manufacturing facility



## Ordering Information

### DLA LED Head

Example: DLA-16LED

| Fixture | Wattage/Type | Options               |
|---------|--------------|-----------------------|
| DLA     | 16LED        | 5-15 <sup>1,2,3</sup> |

#### Options

5-15<sup>1,2,3</sup> 22.00 inch (559 mm) cord with NEMA 5-15 plug

#### Notes

- 1 Only available in 120V, 60Hz
- 2 Plug does not have IP67 rating
- 3 Plug cannot be used with DLA LED Arm (below)

### DLA LED Arm

Example: DL-42-ARM

| Fixture | Length | Part             |
|---------|--------|------------------|
| DL      | 24     | ARM <sup>1</sup> |
|         | 42     |                  |
|         | 60     |                  |

#### Length

- 24 24.00 inch (610 mm) arm
- 42 42.00 inch (1067 mm) arm
- 60 60.00 inch (1524 mm) arm

#### Notes

- 1 Only available in 120V, 60Hz

**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.



# DLA LED *docklite*

16W Modular LED Loading Dock Light Head

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

*Cover photo: DLA-16LED mounted in a manufacturing facility*

Product design and specifications are subject to change without notice. The most current version of this specification sheet can be found on our website: [www.phoenixlighting.com](http://www.phoenixlighting.com).



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**N5499841G**  
11.09.15

# Metallic LED VP Retrofit

## Vaporproof Retrofit Kit

US Patent No. D642,327; D650,518; and 8,348,476

Provides simple option for LED upgrade

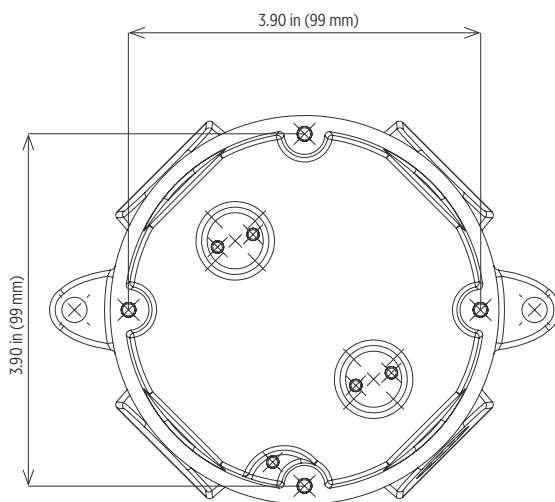
Compatible with existing Phoenix Metallic VP fixtures

UL rated for wet locations

LED technology increases efficiency, eliminates maintenance and supports green initiatives



## Dimensions



Customer-provided junction box must accommodate dimensions shown

## Specifications

|                                      |   |
|--------------------------------------|---|
| <b>Construction</b>                  | Cast brass for the VB Series  |
|                                      | Ultra-low copper content, marine grade aluminum for the VA Series                   |
|                                      | Long-life silicone gaskets  |
| <b>Globes</b>                        | Clear heat treated glass globe - standard   |
|                                      | Prismatic glass, polycarbonate globe and color heat treated glass globe accessories |
|                                      | Red, blue, green, amber and opal  |
| <b>Guard</b>                         | All fixtures come with guard. Guards may be discarded if not needed.                |
|                                      | Cast brass  |
|                                      | Ultra-low copper content, marine grade aluminum                                     |
| <b>Hardware</b>                      | Marine grade (316) stainless steel external hardware                                |
| <b>Light source</b>                  | Bridgelux LED array   |
|                                      | 17W, 1336 lumens  |
|                                      | Sealed in optically clear silicone  |
|                                      | 50,000 hour rated life  |
| <b>Power source</b>                  | 100-277V, 47-63 Hz  |
|                                      | Dimming capable   |
|                                      | Class 2 rated driver  |
|                                      | Over-voltage, over-current and short-circuit protection with auto recovery          |
|                                      | Fully potted  |
| <b>Ambient operating temperature</b> | -30°C to +40°C  |
| <b>Ambient storage temperature</b>   | -40°C to +40°C  |
| <b>Mounting</b>                      | Retrofits to wall or ceiling mount junction box already installed                   |
| <b>Weight</b>                        | Aluminum - 1.8 lb (0.8 kg)  |
|                                      | Brass - 3.0 lb (1.4 kg)   |
|                                      | Add approximately 1.0 lb to each for shipping weight                                |
| <b>Warranty</b>                      | 5 years   |

Contact factory for IES files

## Compliances

UL/cUL Listed to:

- UL 1598A Marine Outside Type (Saltwater)
- UL 1598C LED Retrofit Conversion Kits

IP66 rated

ABS



Meets the requirements of the  
Buy American Act (BAA) and/or the  
American Recovery and Reinvestment Act (ARRA)





# Metallic LED VP Retrofit

Vaporproof Retrofit Kit

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

## Ordering Information

Example: VAR-17LED-CW-FGC

| Fixture | Wattage/Type | Color Temperature | Globes <sup>1</sup> |
|---------|--------------|-------------------|---------------------|
| VAR     | 17LED        | CW                | FGC <sup>3</sup>    |
| VBR     |              | WW <sup>2</sup>   | GHA <sup>4</sup>    |

| Fixture |          | Wattage/Type |     | Color Temperature |                   | Globes <sup>1</sup> |                                      |
|---------|----------|--------------|-----|-------------------|-------------------|---------------------|--------------------------------------|
| VAR     | Aluminum | 17LED        | 17W | CW                | Cool white, 5600K | FGC <sup>3</sup>    | Frosted heat treated glass (VA only) |
| VBR     | Brass    |              |     | WW <sup>2</sup>   | Warm white, 3000K | GHA <sup>4</sup>    | Amber heat treated glass (VB only)   |

### Notes

- 1 Color variations may occur depending on the color temperature of the LED
- 2 WW available on VAR only
- 3 FGC available on VAR only
- 4 GHA available on VBR only

**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 (order separately)

### Globe Kit

|            |  |
|------------|--|
| <b>FGC</b> | Frosted clear heat treated glass                         |
| <b>GHA</b> | Frosted amber heat treated glass                         |
| <b>GHB</b> | Frosted blue heat treated glass                          |
| <b>GHC</b> | Clear heat treated glass                                 |
| <b>GHG</b> | Frosted green heat treated glass                         |
| <b>GHO</b> | Opal heat treated glass                                  |
| <b>GHR</b> | Frosted red heat treated glass                           |
| <b>GPC</b> | Clear prismatic glass                                    |
| <b>PPA</b> | Amber polycarbonate prismatic - to be used without guard |
| <b>PPC</b> | Clear polycarbonate prismatic - to be used without guard |
| <b>PPR</b> | Red polycarbonate prismatic - to be used without guard   |

Product design and specifications are subject to change without notice. The most current version of this specification sheet can be found on our website: [www.phoenixlighting.com](http://www.phoenixlighting.com).







**PHOENIX®**  
DURABILITY X DESIGN™



## ARIES

### 16W LED Floodlight

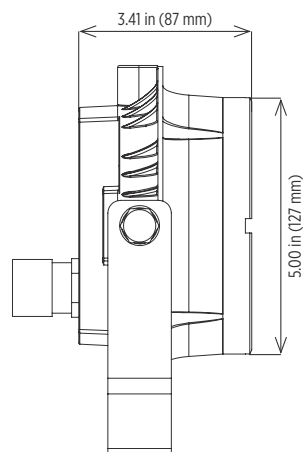
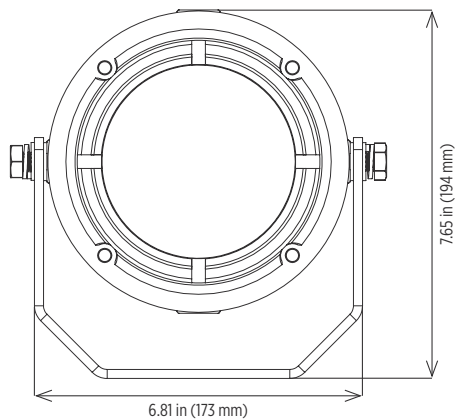
16W LED floodlight designed to replace 250W quartz halogen fixtures

Durable, compact design with various accessories available

For use on marine workboats, maintenance equipment and other demanding applications

LED technology increases efficiency, eliminates maintenance and supports green initiatives

### Dimensions



0.53 inch (13.5 mm) mounting hole



### Specifications

|                                      |   |
|--------------------------------------|---|
| <b>Construction</b>                  | Marine grade cast aluminum housing  |
| <b>Finish</b>                        | Black textured polyester powder coat  |
| <b>Hardware</b>                      | Marine grade (316) stainless steel  |
| <b>Lens</b>                          | Clear polycarbonate   |
| <b>Light source</b>                  | Cree XP-E light emitting diodes (LED)<br>16W<br>Up to 789 lumens (25°), 885 lumens (40°)<br>CRI ≥ 71<br>CCT 6300K<br>50,000 hour rated life |
| <b>Power source</b>                  | 100-277V, 50/60Hz<br>72.00 inch (1829 mm) cord with pigtail<br>NEMA 5-15 plug accessory available (120V only)                               |
| <b>Wiring</b>                        | Stranded wires  |
| <b>Ambient operating temperature</b> | -30°C to +25°C  |
| <b>Mounting</b>                      | Zinc plated, powder coated adjustable steel mounting bracket<br>0.531 inch (13 mm) mounting hole clearance                                  |
| <b>Weight</b>                        | Fixture: 3.9 lb (1.8 kg)<br>Package: 5.2 lb (2.4 kg)  |
| <b>Carton size</b>                   | 10.00 in x 10.00 in x 6.80 in (254 mm x 254 mm x 173 mm)  |
| <b>Warranty</b>                      | 5 years   |

Contact factory for IES files

### Compliances

ETL/cETL Certified to:

- UL 1598 Suitable for Wet Locations
- UL 1598A Marine Outside Type (Saltwater)
- CSA C22.2 No. 250.0-08

CE

ABS

IP67 rated (fixture)

LM79 and LM80 reports available



Meets the requirements of the  
Buy American Act (BAA) and/or the  
American Recovery and Reinvestment Act (ARRA)



## Ordering Information

Example: ARI-16LED-25-120-277

| Fixture | Wattage/Type | Optic    | Voltage |
|---------|--------------|----------|---------|
| ARI     | 16LED        | 25<br>40 | 120-277 |

| Optic        | Voltage          |
|--------------|------------------|
| 25 25° optic | 120-277 120-277V |
| 40 40° optic |                  |

**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.

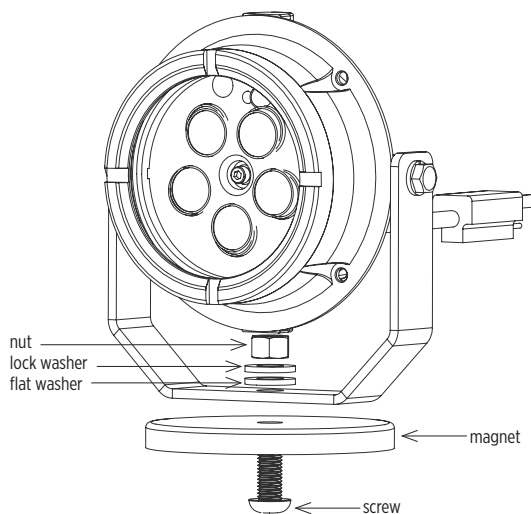
## Accessories (order separately)

### Magnet Base Assembly

MBA

### NEMA 5-15 Plug Kit (120V only)

PLG-515



### MBA notes:

- Includes magnet, screw, nut, lock washer and flat washer
- Not a suitable replacement for permanent installation
- Do not use MBA in hazardous environments
- Holding strength will vary based on application
- Holding strength for fixture and magnetic base must be deemed suitable by user

# ARIES

16W LED Floodlight

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

*Cover photo: ARIES with Magnet Base Assembly being used as a task light in a grain facility*

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**N54998701**  
10.28.15



**PHOENIX®**  
DURABILITY X DESIGN™



## EcoMod® Series

### Modular LED Floodlight

US Patent No. D710,532 S; D710,533 S; D710,534 S  
International Patents Pending

150W design delivers up to 13,750 lumens and replaces 400W HID fixtures

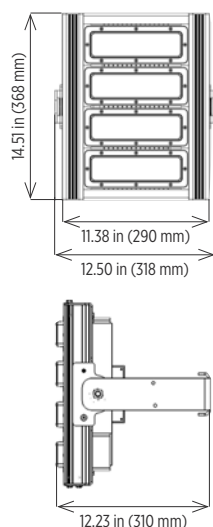
300W design delivers up to 27,500 lumens and replaces 1000W HID fixtures

450W design delivers up to 41,250 lumens and replaces 1500W HID fixtures

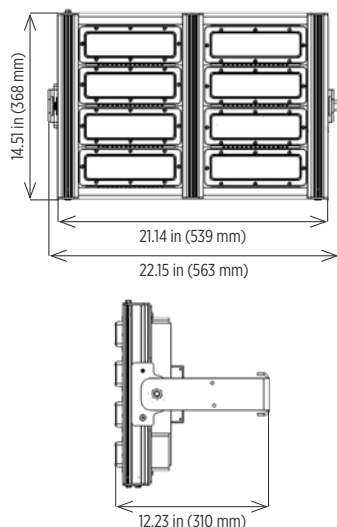
Expertly engineered with durable, marine grade components and seven optic options  
LED technology increases efficiency, eliminates maintenance and supports green initiatives

### Dimensions

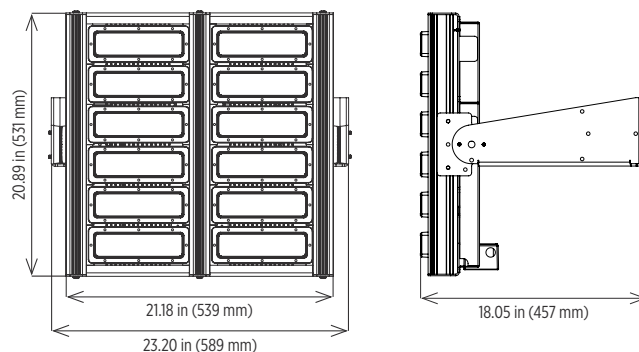
EM-150



EM-300



EM-450





### Specifications

|                                      |   |
|--------------------------------------|---|
| <b>Construction</b>                  | Marine grade extruded aluminum frame and LED modules<br>Adjustable passivated stainless steel mounting harp (150W and 300W units)<br>Adjustable powder coated steel mounting harp (450W units)<br>EcoVent™ Technology allows heat, water and debris to flow through fixture                 |
| <b>Finish</b>                        | Anodized finish   |
| <b>Hardware</b>                      | Marine grade (316) stainless steel<br>Screws sealed with adhesive threadlocker  |
| <b>Lens</b>                          | UV- and impact-resistant polycarbonate lens<br>Replaceable  |
| <b>Light source</b>                  | Lumileds Luxeon M light emitting diodes (LED)<br>150W - up to 13,750 lumens<br>300W - up to 27,500 lumens<br>450W - up to 41,250 lumens<br>CRI > 70<br>50,000 hour rated life<br>Cool white (5000K) - standard<br>Neutral white (NW) - contact factory<br>Warm white (WW) - contact factory |
| <b>Power source</b>                  | 120-277V, 50-60Hz; 347-480V, 50-60Hz<br>Fully potted<br>Replaceable<br>Overload, over-voltage, over-temperature and short-circuit protection<br>0-10V dimming option (DIM)  |
| <b>Power factor</b>                  | > 0.98 at 115V  |
| <b>Surge protection</b>              | 20kV (20kA)<br>Dissipates 540 joules at 277V<br>Dissipates 765 joules at 480V   |
| <b>Wiring</b>                        | Stranded wires<br>Through wiring option (JBOX)<br>International cord option (INTL)  |
| <b>Ambient operating temperature</b> | -40°C to +50°C<br>Designed for use in areas allowing air flow   |
| <b>Mounting</b>                      | 360° harp rotation<br>Indexed aiming and lockable in 5° (450W units) or 10° increments (150W and 300W units)<br>2 3/8 inch tenon mount kit (EM150-PTM & EM300-PTM)<br>Boom mount kit (EM-BMK)   |
| <b>Weight</b>                        | 150W - 22.9 lb (10.4 kg)<br>300W - 40.0 lb (18.1 kg)<br>450W - 60.2 lb (27.3 kg)  |
| <b>Safety cable</b>                  | Safety cable included   |
| <b>Junction box option</b>           | Includes junction box, cover, mounting bracket and hardware (JBOX)<br>Required for through wiring   |
| <b>Warranty</b>                      | 5 years   |

### Compliances

ETL/cETL Certified to:

- UL 1598 Suitable for Wet Locations
- UL 1598A Marine Outside Type (Saltwater)
- CSA C22.2 No. 250.0

CE

DLC

ABS

IP66 rated

LM79 and LM80 reports available



EcoMod 150 on an RTG crane



## Ordering Information

Example: EM-300-MF-120-277

| Fixture | Wattage | Optic | Voltage                | Options           |
|---------|---------|-------|------------------------|-------------------|
| EM      | 150     | WF    | 120-277 <sup>1,2</sup> | INTL <sup>3</sup> |
|         | 300     | FL    | 347-480                | JBOX <sup>4</sup> |
|         | 450     | MF    |                        | NW <sup>5</sup>   |
|         |         | WS    |                        | WW <sup>5</sup>   |
|         |         | SP    |                        | DIM <sup>1</sup>  |
|         |         | NS    |                        |                   |
|         |         | VS    |                        |                   |

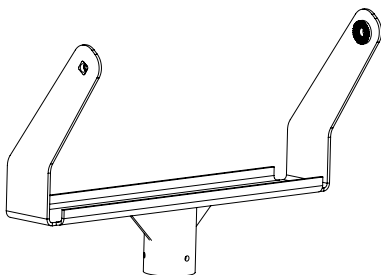
| Wattage |                   | Optic |                  | Voltage                |                   | Options           |                    |
|---------|-------------------|-------|------------------|------------------------|-------------------|-------------------|--------------------|
| 150     | 150W (4 modules)  | WF    | Wide flood       | 120-277 <sup>1,2</sup> | 120-277V, 50-60Hz | INTL <sup>3</sup> | International cord |
| 300     | 300W (8 modules)  | FL    | Flood            | 347-480                | 347-480V, 50-60Hz | JBOX <sup>4</sup> | Junction box       |
| 450     | 450W (12 modules) | MF    | Medium flood     |                        |                   | NW <sup>5</sup>   | Neutral white CCT  |
|         |                   | WS    | Wide spot        |                        |                   | WW <sup>5</sup>   | Warm white CCT     |
|         |                   | SP    | Spot             |                        |                   | DIM <sup>1</sup>  | Dimmable (0-10V)   |
|         |                   | NS    | Narrow spot      |                        |                   |                   |                    |
|         |                   | VS    | Very narrow spot |                        |                   |                   |                    |

### Notes

- 1 Dimming option only available on 120-277 model
- 2 Capable of operating at 127-431V DC but not ETL/cETL or CE listed
- 3 CE listed only
- 4 Junction box required for through wiring
- 5 Minimum order quantity and/or extended lead time may apply - contact factory

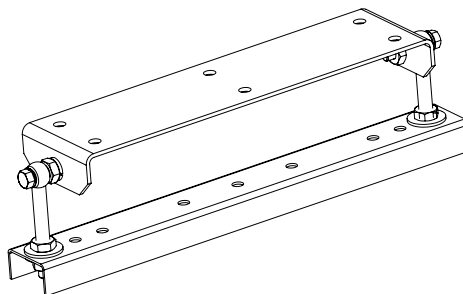
**Special Projects:** We may be able to accommodate your special projects, so please don't hesitate to ask about additional options. Minimum order quantities and/or extended lead times will apply. Contact your Phoenix representative with specific inquiries.

## Accessories (order separately)



### 2 3/8 inch Tenon Mount Kit

EM150-PTM (150W units)  
EM300-PTM (300W units)



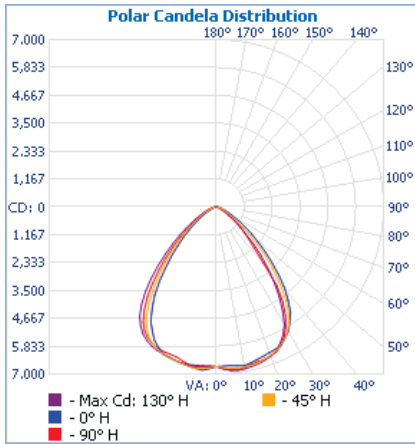
### Boom Mount Kit

EM-BMK (150W, 300W, 450W units)

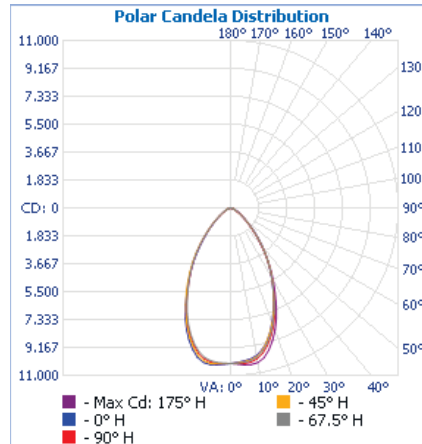


## Photometrics

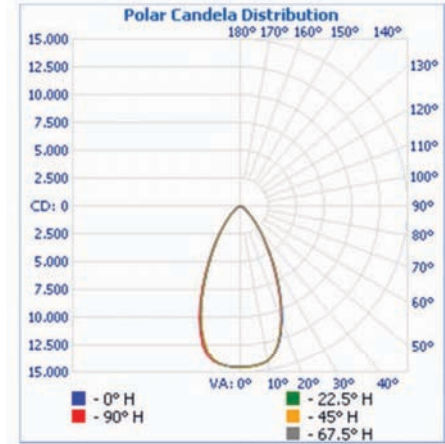
**EM150 - Wide Flood**



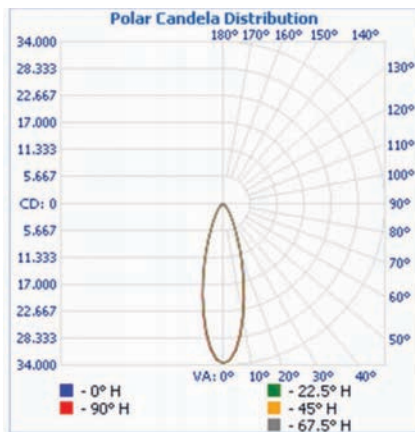
**EM150 - Flood**



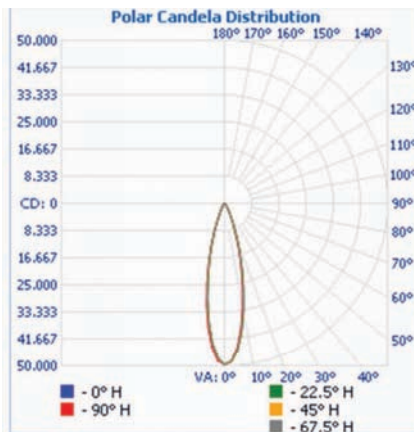
**EM150 - Medium Flood**



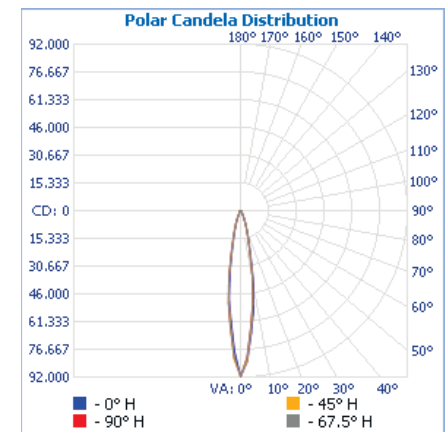
**EM150 - Wide Spot**



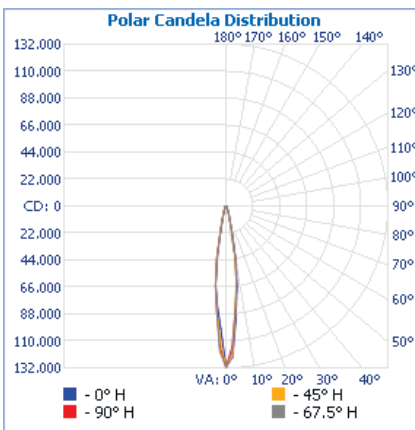
**EM150 - Spot**



**EM150 - Narrow Spot**



**EM150 - Very Narrow Spot**



Cover photo: EcoMod 150s on an RTG crane

Product design and specifications are subject to change without notice. The most current version of this specification sheet can be found on our website: [www.phoenixlighting.com](http://www.phoenixlighting.com).





**PHOENIX®**  
DURABILITY X DESIGN™



## SturdiLED®

### Super-rough Service LED Floodlight

US Design Patent No. US D708,776

Extreme shock and vibration resistance; designed to replace low-wattage floodlights  
For use on shovels, blast hole drills, utility vehicles, towers and other demanding applications

Durable, compact design for the world's harshest environments  
LED technology increases efficiency, eliminates maintenance and supports green initiatives

### Dimensions



### Specifications

|                                      |  |
|--------------------------------------|--|
| <b>Construction</b>                  | Marine grade cast aluminum housing   |
| <b>Finish</b>                        | Black thermoset powder coat finish   |
| <b>Hardware</b>                      | Marine grade (316) stainless steel external hardware   |
| <b>Lens</b>                          | Impact-resistant, UV-stable polycarbonate<br>Replaceable<br>Flood (45°) beam angle - standard<br>Spot (28°) accessory kit (STL-28D)                    |
| <b>Light source</b>                  | Lumileds Luxeon T light emitting diodes (LED)<br>37W, 2900 lumens<br>Conformal coated circuit board<br>CRI ≥ 74<br>CCT 5300K<br>50,000 hour rated life |
| <b>Power source</b>                  | 120-277V, 50/60Hz (UNIV)<br>Fully potted<br>Replaceable<br>Over-voltage, over-current and short-circuit protection                                     |
| <b>Wiring</b>                        | 72.00 inch (1829 mm) cord with pigtail<br>NEMA 5-15 plug accessory kit   |
| <b>Ambient operating temperature</b> | -30°C to +50°C   |
| <b>Mounting</b>                      | Shock mount base - standard<br>Stainless Steel Harp Kit (STL-HRP)<br>Four (4) Bolt Retrofit Kit (STL-4B)   |
| <b>Weight</b>                        | Fixture: 9.5 lb (4.3 kg)<br>Packaged: 11.0 lb (5.0 kg)   |
| <b>Visor accessory</b>               | Protects lens, directs light and reduces glare (STL-VIS)   |
| <b>Warranty</b>                      | 5 years  |

### Compliances

ETL/cETL Certified to:

- UL 1598 Suitable for Wet Locations
- UL 1598A Marine Outside Type (Saltwater)
- CSA C22.2 No. 250.0

CE

DLC

ABS

IP67 rated

LM79 and LM80 reports available



## Ordering Information

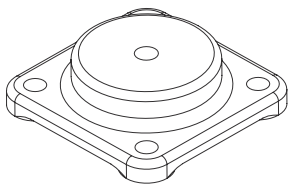
Example: STL-HI-45-UNIV

| Fixture | Wattage | Beam Angle | Voltage |
|---------|---------|------------|---------|
| STL     | HI      | 45         | UNIV    |

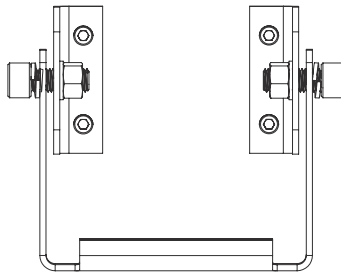
| Wattage             | Beam Angle                | Voltage                |
|---------------------|---------------------------|------------------------|
| HI 37W, 2900 lumens | 45 Flood (45°) beam angle | UNIV 120-277V, 50/60Hz |

**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.

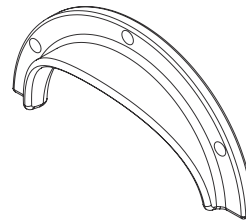
## Accessories (order separately)



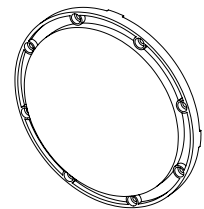
**Four (4) Bolt Retrofit Kit**  
STL-4B



**Stainless Steel Harp Kit**  
STL-HRP



**Visor Kit**  
STL-VIS



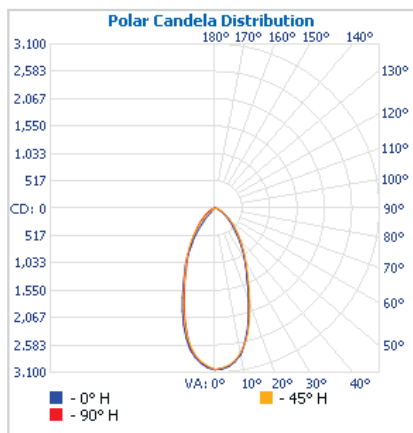
**28° Lens Kit**  
STL-28D

**NEMA 5-15 Plug Kit**  
PLG-515

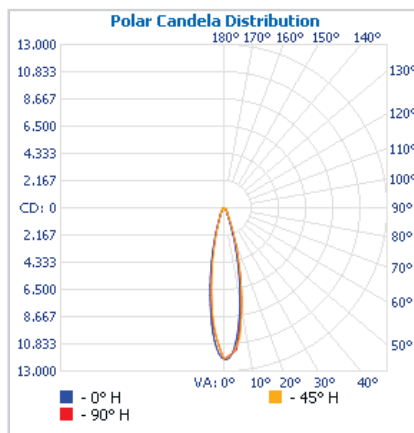


## Photometrics

**45° Beam (standard)**



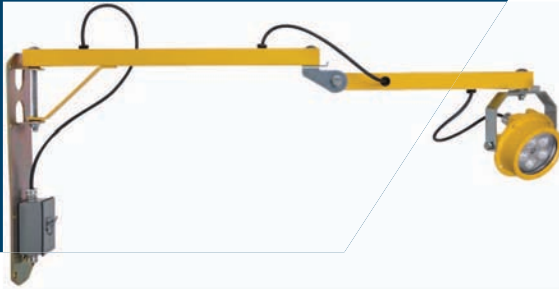
**28° Beam (accessory)**



Cover photo: SturdiLED shown at boom point of a dragline boom

Product design and specifications are subject to change without notice. The most current version of this specification sheet can be found on our website: [www.phoenixlighting.com](http://www.phoenixlighting.com).





16W dock light designed to replace up to 150W incandescent light heads

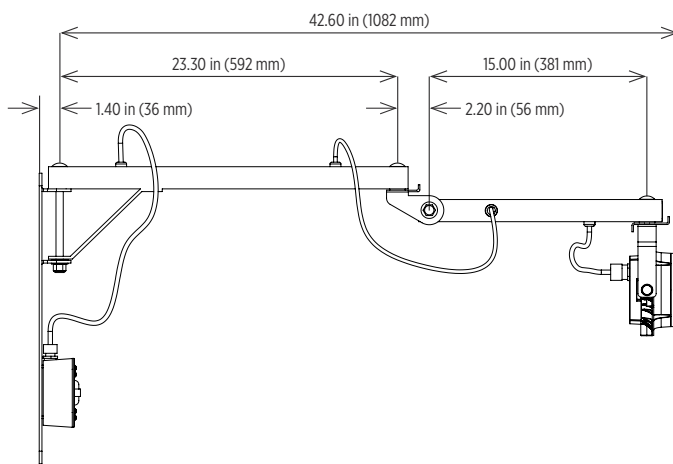
Delivers approximately six foot candles to the nose of a 53 foot trailer

Durable, compact design to endure accidental impact

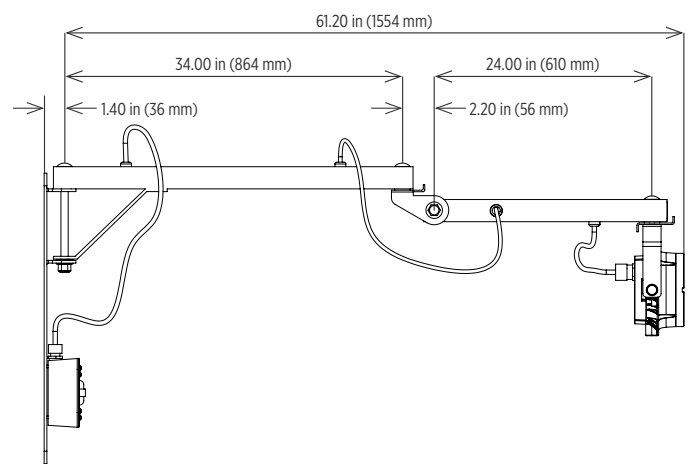
LED technology increases efficiency, eliminates maintenance and supports green initiatives

### Dimensions

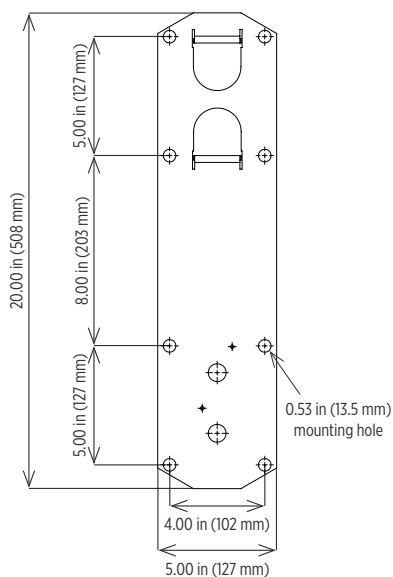
42 inch Arm



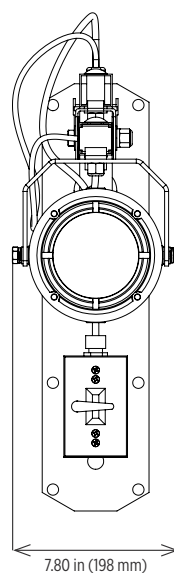
60 inch Arm



Mounting Plate



Fixture View



## 16W LED Wet Location Task Light

## Specifications

|                                      |   |
|--------------------------------------|---|
| <b>Construction</b>                  | Marine grade, low-copper content aluminum housing   |
| <b>Finish</b>                        | Safety yellow powder coat   |
| <b>Hardware</b>                      | Marine grade (316) stainless steel hardware on light head<br>Zinc plated hardware on arm  |
| <b>Arm</b>                           | 42 or 60 inch available<br>1.50 in (38 mm) square steel tube arms with wrist-action joint   |
| <b>Lens</b>                          | Clear polycarbonate (CP)  |
| <b>Light source</b>                  | Cree XP-E light emitting diodes (LED)<br>16W, 789 lumens (fixture)<br>25° and 40° optics available<br>CRI ≥ 71<br>CCT 6300K<br>50,000 hour rated life |
| <b>Power source</b>                  | 120V  |
| <b>Wiring</b>                        | Three-conductor grounded cord from fixture to switch on wall bracket with weather-tight fitting   |
| <b>Ambient operating temperature</b> | 5°C to 25°C   |
| <b>Mounting</b>                      | Zinc plated steel bracket<br>0.53 inch (13.5 mm) mounting hole clearance  |
| <b>Weight</b>                        | 42 inch arm - 30.0 lb (13.6 kg)<br>60 inch arm - 36.0 lb (16.3 kg)  |
| <b>Warranty</b>                      | 3 years   |

Contact factory for IES files

## Compliances

ETL/cETL Certified to:

- UL 1598 Suitable for Wet Locations
- CSA C22.2 No. 250.0-08

LM79 and LM80 reports available

## Ordering Information

Example: DLAW-16LED-25-42-120

| Fixture | Wattage/Type | Optic | Arm Length | Voltage |
|---------|--------------|-------|------------|---------|
| DLAW    | 16LED        | 25    | 42         | 120     |
|         |              | 40    | 60         |         |

| Optic        | Arm Length     | Voltage            |
|--------------|----------------|--------------------|
| 25 25° optic | 42 42 inch arm | 120 120V, 50/60 Hz |
| 40 40° optic | 60 60 inch arm |                    |

**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.

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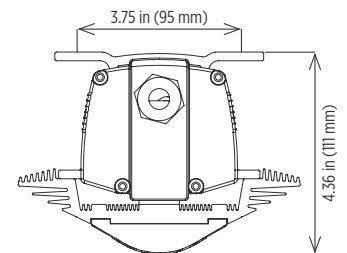
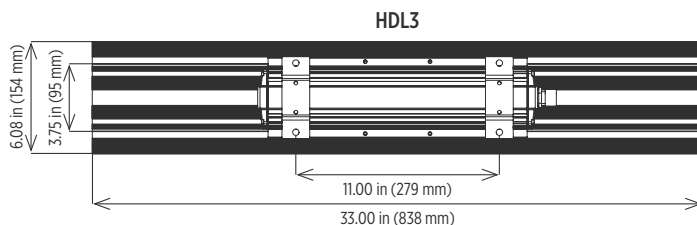
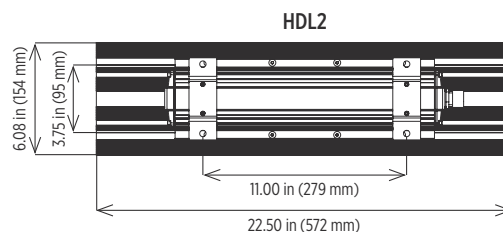
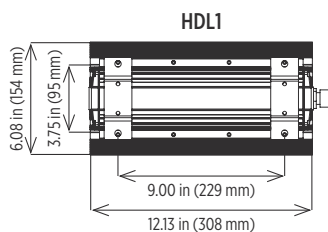
## HDL-LED Series

Heavy Duty LED

US Design Patent No. D720,875

Designed to replace linear fluorescent fixtures and mid-power floodlights  
For use on heavy equipment, conveyors, machine houses and other demanding applications  
Compact, low profile design with various output levels and optic options  
LED technology increases efficiency, eliminates maintenance and supports green initiatives

### Dimensions



# HDL-LED Series

## Heavy Duty LED

### Specifications

|                                      |   |
|--------------------------------------|---|
| <b>Construction</b>                  | Marine grade, extruded aluminum housing<br>Marine grade, die cast aluminum end plates   |
| <b>Finish</b>                        | Anodized finish on extruded parts<br>Thermoset powder coat paint on die cast parts  |
| <b>Hardware</b>                      | Marine grade (316) stainless steel  |
| <b>Lens</b>                          | Diffuse polycarbonate (DP) - standard<br>Clear polycarbonate lens (CP), Type II (T2), Type III (T3) and Type V (T5) optic accessory kits  |
| <b>Light source</b>                  | Lumileds Luxeon T light emitting diodes (LED)<br>HDL1 - 32W, 3400 lumens<br>HDL2 - 62W, 6600 lumens<br>HDL3 - 92W, 9900 lumens<br>CCT 5000K<br>Conformal coated circuit boards<br>50,000 hour rated life                          |
| <b>Power source</b>                  | 120-277V, 50-60Hz (UNIV) - standard<br>24V DC option (24VDC)<br>Dimmable driver (0-10V) option available (DIM)<br>Fully potted<br>Replaceable   |
| <b>Power factor</b>                  | > 0.9 at 120V   |
| <b>Surge protection</b>              | 20kV/kA   |
| <b>Wiring</b>                        | Wire leads standard (connectors accept up to 12 AWG wire)<br>5 ft lead with 277V twist lock plug (TL-277) accessory available   |
| <b>Through wiring</b>                | Standard fixture is designed for continuous row mounting  |
| <b>EMB</b>                           | Input power 120-277V, 50/60Hz<br>90 minute run time<br>Approximately 1100 lumens<br>7 to 10 year battery life expectancy  |
| <b>Ambient operating temperature</b> | -40°C to +50°C (non-EMB units)<br>0°C to +40°C (EMB units)  |
| <b>Mounting</b>                      | Threaded plug and two cord grips provided accept cord diameters 0.25-0.375 inch<br>Surface/conduit mount (SM) with ½ inch NPT outlets - standard<br>Retrofit mounting brackets for Phoenix LFSB or RSL fixtures - sold separately |
| <b>Weight</b>                        | HDL1 - 6.5 lb (3.0 kg)<br>HDL2 - 11.0 lb (5.0 kg)<br>HDL3 - 14.0 lb (6.4 kg)  |
| <b>Warranty</b>                      | 5 years   |

### Compliances

ETL/cETL Certified to:

- UL 1598 Suitable for Wet Locations
- UL 1598A Marine Outside Type (Saltwater)
- UL 844 Hazardous Location
  - Class I, Division 2 Groups A, B, C, D
  - Class I, Zone 2 Group IIC
  - T4A, 120° C maximum surface temperature
  - Class II, Division 1 Groups E, F, G (pending)
  - Class II, Division 2 Groups F, G (pending)
  - Class III (pending)
- CSA C22.2 No. 250.0, 137

CE (pending)

DLC (pending)

ABS

IP67 rated

LM79 and LM80 reports available



HDL2s in an electrical control room





## Ordering Information

**Standard Unit:** HDL-2-UNIV-DP-SM

| Fixture | Circuit Boards | Voltage            | Lens <sup>2</sup> | Mounting | Options          |
|---------|----------------|--------------------|-------------------|----------|------------------|
| HDL     | 1              | UNIV               | DP                | SM       | DIM <sup>3</sup> |
|         | 2              | 24VDC <sup>1</sup> |                   |          | EMB <sup>1</sup> |
|         | 3              |                    |                   |          |                  |

### Circuit Boards

- 1 One circuit board (3400 lumens)
- 2 Two circuit boards (6600 lumens)
- 3 Three circuit boards (9900 lumens)

### Lens<sup>2</sup>

- DP Diffuse polycarbonate

### Options

- DIM<sup>3</sup> Dimmable driver (0-10V)
- EMB<sup>1</sup> Emergency battery backup

### Voltage

- UNIV 120-277V, 50-60Hz
- 24VDC<sup>1</sup> 24V DC

### Mounting

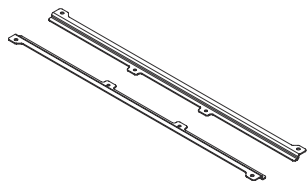
- SM Surface/conduit mount

### Notes

- 1 Not ETL/cETL Listed
- 2 Other lens options sold separately. For other lens options, see accessories below.
- 3 Not available on HDL3 in 24V DC

**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 (order separately)



### HDL Retrofit Bracket for LFSB/RSL fixtures

- RFBKTHDL1-RSL
- RFBKTHDL1-LFSB2 (LFSB 2 foot)
- RFBKTHDL2/3-RSL
- RFBKTHDL2/3-LFSB4 (LFSB 4 foot)

### Lens Kits\*

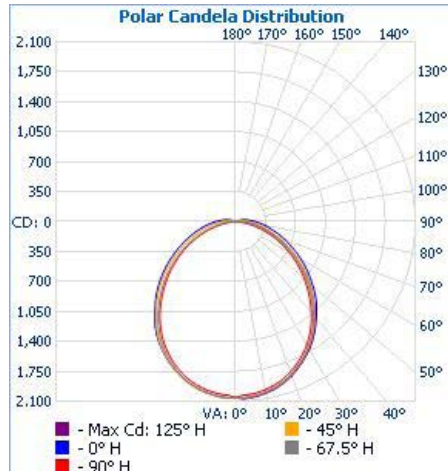
- HDL-CP Clear polycarbonate lens kit
- HDL-T2 Type II optic lens kit
- HDL-T3 Type III optic lens kit
- HDL-T5 Type V optic lens kit

\* Contact factory

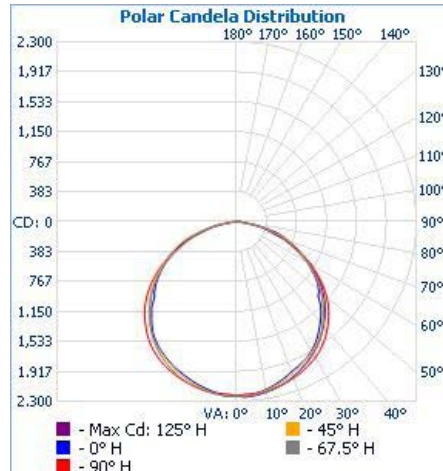


## Photometrics

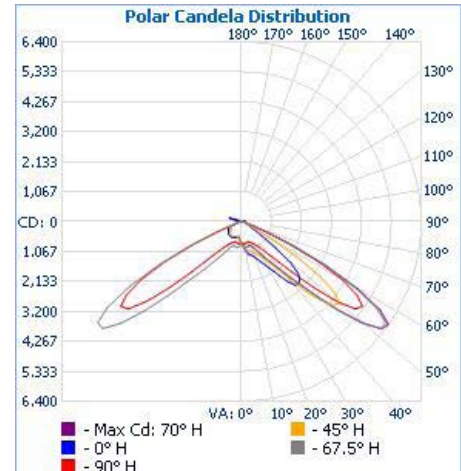
HDL2 UNIV-DP-SM (standard)



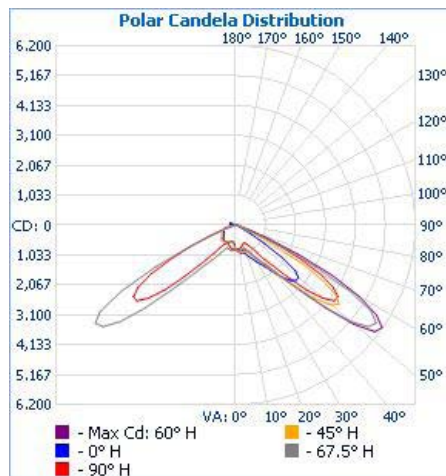
HDL2 UNIV-CP-SM (accessory)



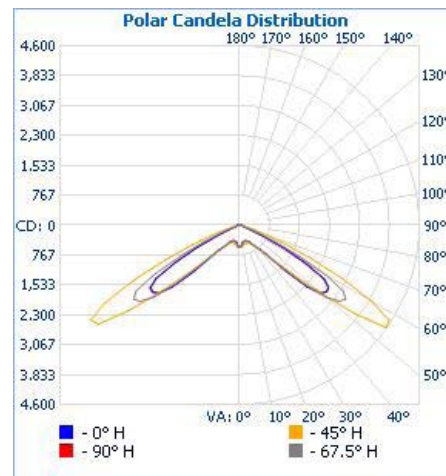
HDL2 UNIV-T2-SM (accessory)



HDL2 UNIV-T3-SM (accessory)



HDL2 UNIV-T5-SM (accessory)



Cover photo: HDL2s installed in a machine house

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**DURABLE LIGHTING**  
**MADE FOR MARINE™**

**PHOENIX®**  
*DURABILITY X DESIGN™*





## A TRADITION OF TRUST.

Phoenix has a rich history of tradition dating back over 120 years in the city of Milwaukee. Since 1892, it has thrived in a number of different industries, but the fundamentals of the company have stayed the same. Phoenix has remained a family-owned business operating with integrity and a focus on customer solutions.

Since the 1950s, Phoenix has specialized in lighting fixtures. The company quickly became the authority on durable lighting designs for the world's harshest environments. Over six decades later, Phoenix is trusted to provide fixtures for heavy equipment, corrosive conditions, hazardous locations and various other demanding applications.

As the lighting industry continues to evolve, Phoenix remains committed to providing the quality, service and innovation that customers have come to expect.



## Phoenix's expertise in the marine market

continues to improve operations all over the world. We demonstrate our "Durability by Design®" approach to lighting in one of the world's harshest settings. These fixtures endure constant vibration, large temperature variances and a corrosive marine environment. With the ever-expanding global market and a new generation of vessels, customers are taking advantage of Phoenix's many ABS certified, LED options to maximize their resources.

**Safety and sustainability:** Phoenix LED fixtures support the industry's focus on safety and sustainability in marine environments. With Phoenix LED lights, our customers easily see lower maintenance requirements due to the increased durability and lifespan of the light source. They see better light quality as well as improved security following a power outage because of the instant-on characteristic of LED technology. This equates to a more responsible, profitable and safe industry.

## Our values

### Collaboration

We are committed to the industries we serve and evolve with you as priorities shift and technology advances. The conversation is continuous, and we proudly lend our expertise whenever possible.

### Progress

Our exceptional engineering team and innovative manufacturing practices are widely recognized and ensure that only superior products reach the market.

### Craftsmanship

Our unwavering attention to detail ensures results that far exceed your expectations. We design, engineer and manufacture products that last.

### Authenticity

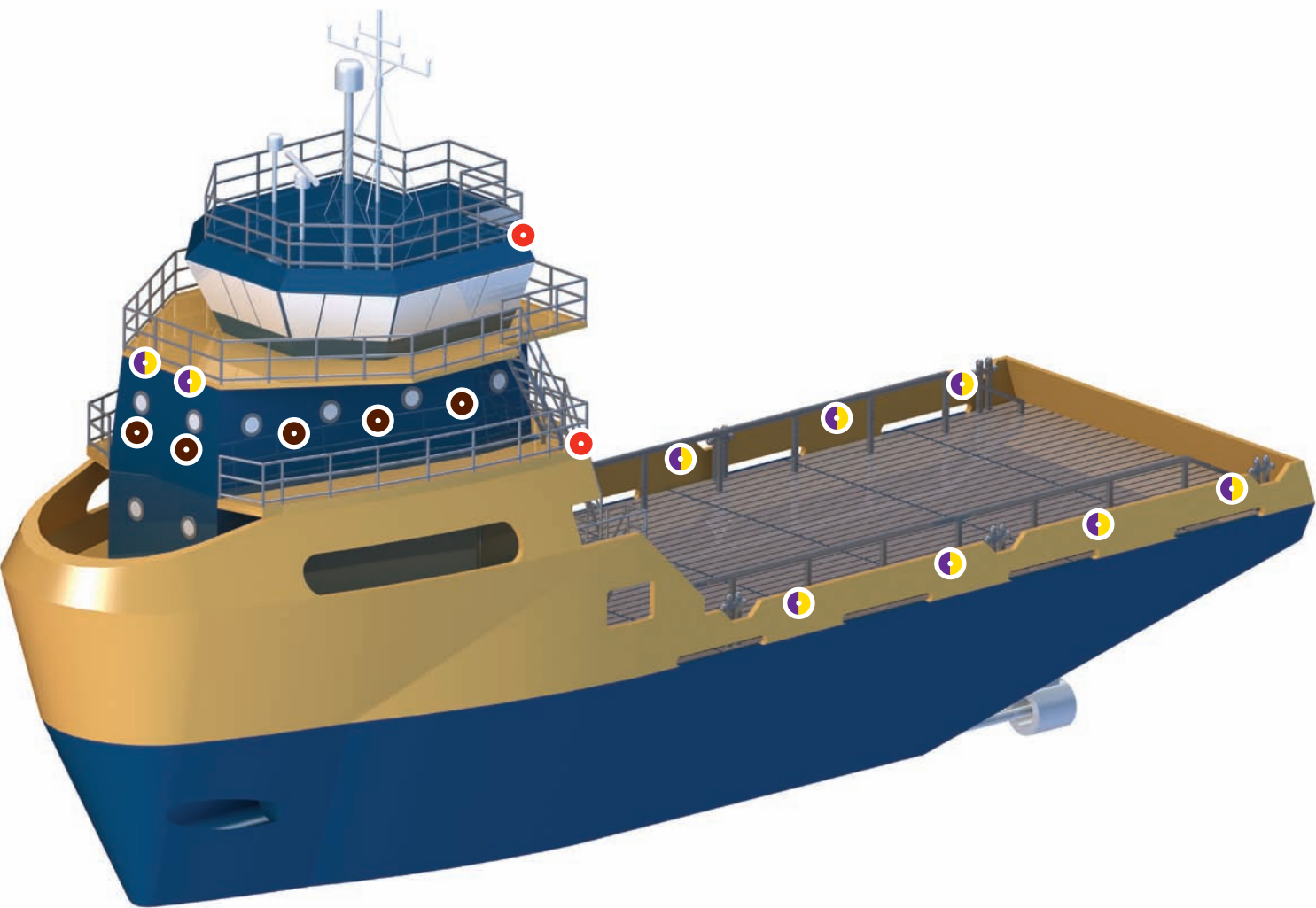
We stay true to the roots of Phoenix and respect the vision, ingenuity and hard work that have brought us to where we are today. We are committed to the future of our customers, employees and community.

### Durability by Design®

Every light. Every project. Every day. We are committed to durability. Our fixtures have been tested and proven in the most extreme conditions. We employ measures like potted drivers, conformal coating, stranded wires, high quality finishes and marine grade components to ensure that our fixtures thrive in their intended environments and last longer than the other market options.








Platform Supply Vessel



Number of fixtures per vessel will vary.  
Split circles  represent interchangeable fixtures.



**ModCom® Series**

**PSV** MCHs on bulwarks, aft wheelhouse rail and aft deck rail



**EcoMod® Series**

**PSV** EM300s on bulwarks, aft wheelhouse rail and aft deck rail



**Metallic LED VP Series**

**PSV** Exterior of super structure and doorways



**SturdiLED® Series**

**PSV** Emergency light on interior, lifeboat/davit and embarkation



**HDL-LED Series**  
Heavy Duty LED

The HDL-LED has been designed to replace linear fluorescent fixtures and up to 400W HID floodlights using marine grade construction and a potted driver.

US Design Patent No. D720,875

**EcoMod® Series**  
Modular LED Floodlight

The EcoMod is an instant-on LED floodlight designed to provide general area illumination. Replacements are as follows: EM450 - up to 1500W HID; EM300 (above) - up to 1000W HID; EM150 - up to 400W HID.

US Design Patent No. US D710,532S;  
US D710,533S; US D710,534S  
International Patent Pending

**Metallic LED VP Series\***  
Vaporproof Fixture

The Metallic LED Vaporproof Series is constructed of marine grade aluminum or cast brass. It replaces up to 75W incandescent jelly-jar, vaporproof fixtures.

US Design Patent No. D642,327;  
US8,348,476 B2; D650,518

|                   |                    |                          |             |
|-------------------|--------------------|--------------------------|-------------|
| Wattage           | 32W, 62W or 92W    | 150W, 300W or 450W       | 11W or 17W  |
| Lumens            | 3400, 6600 or 9900 | 13,750, 27,500 or 41,250 | 642 or 1336 |
| Repairable        | ✓                  | ✓                        | ✓           |
| Optic options     | ✓                  | ✓                        |             |
| UL1598A Marine    | ✓                  | ✓                        | ✓           |
| IP rating         | IP67               | IP66                     | IP66        |
| CE compliant      | pending            | ✓                        |             |
| DLC listed        | pending            | ✓                        |             |
| ABS certified     | ✓                  | ✓                        | ✓           |
| Haz Loc rated     | ✓                  |                          | ✓           |
| 5 year warranty   | ✓                  | ✓                        | ✓           |
| Durability tested | <i>DXD</i>         | <i>DXD</i>               | <i>DXD</i>  |

\*Retrofit option available

**LEDLT Series**  
LED Tube Light

The LEDLT is an instant-on, surface-mounted fixture designed to replace up to a 2 foot, 2 lamp 17W linear fluorescent. It is available in both 28 inch and 18 inch length options. The LEDLT's lightweight design makes it ideal for use in a variety of applications.

|                   |             |                  |                    |
|-------------------|-------------|------------------|--------------------|
| Wattage           | 9W or 17W   | 150W or 300W     | 18W, 29W or 37W    |
| Lumens            | 625 or 1250 | 11,500 or 23,000 | 1600, 2400 or 2900 |
| Repairable        | ✓           | ✓                | ✓                  |
| Optic options     | ✓           | ✓                | ✓                  |
| UL1598A Marine    | ✓           | ✓                | ✓                  |
| IP rating         | IP66        | IP67             | IP67               |
| CE compliant      |             | ✓                | ✓                  |
| DLC listed        |             | ✓                | ✓                  |
| ABS certified     | ✓           | ✓                | ✓                  |
| Haz Loc rated     |             | ✓                |                    |
| 5 year warranty   | ✓           | ✓                | ✓                  |
| Durability tested | <i>DXD</i>  | <i>DXD</i>       | <i>DXD</i>         |

**ModCom® Series**  
Modular LED Floodlight

The ModCom LED floodlight is an instant-on, hazardous rated, surface-mounted fixture designed to provide general area illumination. The Hi replaces up to 1000W HID while the Lo replaces up to 400W HID.

Australian Design No. 346288  
US Design Patent No. US D693,508;  
D693,507

**SturdiLED® Series**  
Super-rough Service  
LED Floodlight

The SturdiLED is an extremely durable LED floodlight. The fixture's potted driver, conformal coated circuit board and rugged shock mount base provide maximum vibration resistance. It replaces up to 150W HID or 500W quartz halogen.

US Design Patent No. US D708,776





**The Cube-Light**  
13W LED Area Light

The Cube-Light is an economic, yet durable 13W LED area light. The fixture's compact design makes it ideal for use along accessways and stairways, as well as in small spaces. It replaces up to 32W compact fluorescent vaporproof fixtures.

Australian Design No. 359170  
US Patent Pending



**MidLev Series**  
LED Floodlight

The MidLev Series is a heavy duty, hazardous rated LED floodlight that features recessed optics to reduce glare. Its robust housing and mounting harp make it ideal for installation in harsh marine applications. The MidLev replaces up to 250W HID.



**ARIES Series**  
16W LED Floodlight

The ARIES Series LED floodlight features a compact, yet durable design. Drawing only 16 watts, it is energy efficient and replaces up to 250W quartz halogen fixtures.

|                   |                 |                           |            |
|-------------------|-----------------|---------------------------|------------|
| Wattage           | 13W             | 12W, 24W, 36W, 60W or 96W | 16W        |
| Lumens            | up to 1000      | up to 4700                | up to 885  |
| Repairable        | ✓               | ✓                         | ✓          |
| Optic options     |                 | ✓                         | ✓          |
| UL1598A Marine    | ✓               | ✓                         | ✓          |
| IP rating         | IP66            | IP66                      | IP67       |
| CE compliant      | ✓               | ✓                         | ✓          |
| DLC listed        |                 |                           |            |
| ABS certified     | ✓               | ✓                         | ✓          |
| Haz Loc rated     | pending         | ✓                         | ✓          |
| 5 year warranty   | 3 year warranty | ✓                         | ✓          |
| Durability tested | <i>DXD</i>      | <i>DXD</i>                | <i>DXD</i> |







E36

E56

E90



**Sturdilite® E-DC Series**  
Low-voltage LED Floodlight

Phoenix's renowned Sturdilite® line has been reinvented to offer a durable, economic LED option for DC applications. The E-DC Series offers three wattage options delivering up to 7100 lumens to workboats and mobile equipment.

**SLXP LED Series**  
Explosion-Proof Portable LED Floodlight

The SLXP LED Series fixture is hazardous location rated for Class I, II, and III Divisions 1 and 2, and marine rated for outside saltwater. It replaces up to 70W HID.

**LEDBM Series**  
LED Berth and Mirror Light

The LEDBM is an interior below-deck LED fixture suited for berth/mirror lighting. The light source provides energy savings, long life and low maintenance costs. It replaces a 2x8W fluorescent fixture.

|                   |                    |            |            |
|-------------------|--------------------|------------|------------|
| Wattage           | 36W, 56W or 90W    | 39W        | 12W        |
| Lumens            | 2400, 4500 or 7100 | 2540       | 389        |
| Repairable        |                    | ✓          | ✓          |
| Optic options     | ✓                  | ✓          | ✓          |
| UL1598A Marine    |                    | ✓          | ✓          |
| IP rating         | IP67               |            |            |
| CE compliant      |                    |            |            |
| DLC listed        |                    |            |            |
| ABS certified     |                    |            |            |
| Haz Loc rated     |                    | ✓          |            |
| 5 year warranty   | 3 year warranty    | ✓          | ✓          |
| Durability tested | <i>DXD</i>         | <i>DXD</i> | <i>DXD</i> |



**PHOENIX®**  
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Email: [marine@phoenixproducts.com](mailto:marine@phoenixproducts.com)

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





**PHOENIX<sup>®</sup>**  
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Phoenix Products Company Inc. 8711 West Port Avenue Milwaukee, WI 53224 USA  
Phone: +1 414.973.3300 Email: [marine@phoenixproducts.com](mailto:marine@phoenixproducts.com) [www.phoenixlighting.com](http://www.phoenixlighting.com)



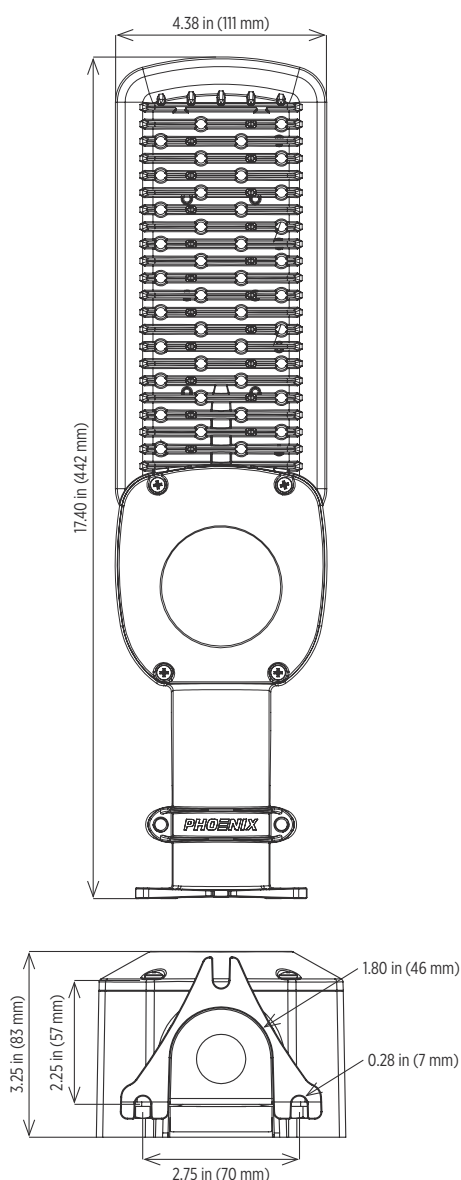
48W fixture delivers 5400 lumens

Economic yet durable design

Primary applications include conveyor belts, narrow pathways  
as well as general wall or pole mount lighting

LED technology increases efficiency, eliminates maintenance and supports green initiatives

## Dimensions



## Specifications

|                                      |   |
|--------------------------------------|---|
| <b>Construction</b>                  | Cast aluminum housing   |
| <b>Finish</b>                        | Gray polyester powder coat  |
| <b>Hardware</b>                      | 316 stainless steel   |
| <b>Lens</b>                          | UV- and impact-resistant PMMA<br>Type II optic  |
| <b>Light source</b>                  | Cree XP-L light emitting diodes (LED)<br>48W, 5400 lumens<br>Nichia 219B amber LED option (AM) - contact factory<br>CCT 5000K<br>50,000 hour rated life |
| <b>Power source</b>                  | 120-277V, 50-60Hz<br>Fully potted<br>Replaceable<br>Overload, over-voltage, over-temperature and short-circuit protection                               |
| <b>Power factor</b>                  | >.9 at 120V   |
| <b>Wiring</b>                        | Wire leads - standard<br>Stranded wires   |
| <b>Ambient operating temperature</b> | -40°C to +50°C  |
| <b>Mounting</b>                      | Pole mount capable (fits on a 1.25 inch trade size pipe)<br>Wall mount capable  |
| <b>Fixture weight</b>                | 4.0 lb (1.8 kg)   |
| <b>Warranty</b>                      | 3 year  |

Contact factory for IES files

## Compliances

UL/cUL Listed to:

- UL 1598 Suitable for Wet Locations
- UL 844 Hazardous Location (pending)  
Class I, Division 2 Groups A, B, C, D

CE

IP65 rated (standard fixture)

IP63 rated (using Photocell Receptacle Kit)



### Ordering Information

**Example:** CVO-48LED

| Fixture | Wattage | Options  |
|---------|---------|----------|
| CVO     | 48LED   | CE<br>AM |

#### Wattage

48LED 48W, 5400 lumens

#### Options

CE CE listed fixture  
AM Amber LEDs - contact factory

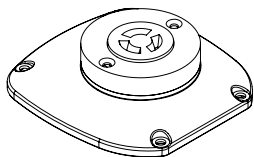
**Special Projects:** We may be able to accommodate your special projects, so please don't hesitate to ask about additional options. Minimum order quantities and/or extended lead times will apply. Contact your Phoenix representative with specific inquiries.

### Mounting (order separately)

#### Mounting Adapter Accessories

*\* Contact factory for additional mounting options*

### Accessories (order separately)



#### Photocell Receptacle Kit

CVO-PCR

#### Lens Kits

*\* Contact factory for additional optic options*

Product design and specifications are subject to change without notice. The most current version of this specification sheet can be found on our website: [www.phoenixlighting.com](http://www.phoenixlighting.com).





**PHOENIX®**  
DURABILITY X DESIGN™



## ModCom® Hi

### Modular LED Floodlight

US Design Patent No. US D693,508; D736,982; D737,493  
Australian Design No. 346288

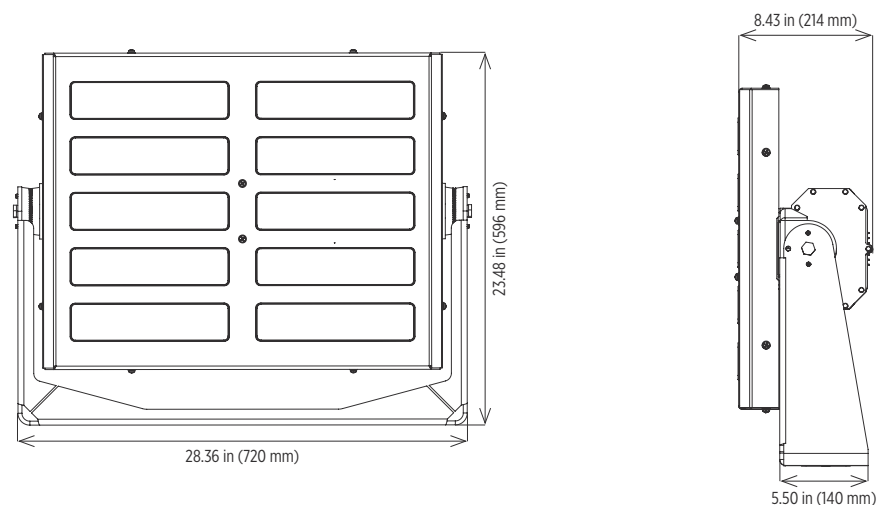
300W design delivers 23,000 lumens and replaces up to 1000W HID fixtures

Optic options for maximum versatility

Expertly engineered with durable, marine grade components

LED technology increases efficiency, eliminates maintenance and supports green initiatives

### Dimensions



### Specifications

|                                      |  |
|--------------------------------------|--|
| <b>Construction</b>                  | Marine grade aluminum frame, LED module, driver housing and cover  |
| <b>Finish</b>                        | White thermoset powder coat  |
| <b>Hardware</b>                      | Marine grade (316) stainless steel   |
| <b>Lens</b>                          | UV- and impact-resistant polycarbonate lens  |
| <b>Light source</b>                  | Lumileds Luxeon light emitting diodes (LED)<br>Up to 300W (fixture)<br>Up to 23,000 lumens (fixture)<br>CRI > 70<br>50,000 hour rated life<br>Conformal coated circuit boards<br>Replaceable<br>Cool white (5400K) - standard<br>Neutral white, warm white and amber options - contact factory |
| <b>Power source</b>                  | Premium brand: 120-277V, 50-60Hz or 277-480V, 50-60Hz<br>Can accept 127-431V DC (120-277V only)<br>Overload, over-voltage, over-temperature and short-circuit protection<br>Designed to meet EMC standard<br>Fully potted<br>Replaceable   |
| <b>Power factor</b>                  | > 0.98 (at 115V)   |
| <b>Surge protection</b>              | 10kV (10kA)<br>Dissipates 270 joules at 277V<br>Dissipates 360 joules at 480V  |
| <b>Wiring</b>                        | Stranded wires<br>External sleeved wires   |
| <b>Ambient operating temperature</b> | -40°C to +50°C (non-hazardous locations)<br>-30°C to +40°C (hazardous locations)<br>Designed for use in areas allowing air flow<br>Higher ambient temperature models available - contact factory   |
| <b>Aiming</b>                        | Lockable aiming washers position fixture in 5° increments<br>Rotates 360°, 16° lateral adjustment  |
| <b>Mounting</b>                      | Adjustable steel harp  |
| <b>Weight</b>                        | Fixture: 77.0 lb (34.9 kg)<br>Packaged: 90.0 lb (40.8 kg)  |
| <b>Carton size</b>                   | 33.00 in x 28.00 in x 11.00 in (838 mm x 711 mm x 279 mm)  |
| <b>Safety cable</b>                  | Safety cable included  |
| <b>Warranty</b>                      | 5 years  |

### Compliances

ETL/cETL Certified to:

- UL 1598 Ordinary Wet Locations
- UL 1598A Marine Outside Type (Saltwater)
- UL 844 Hazardous Location
  - Class I, Division 2 Groups A, B, C, D
  - Class II, Division 2 Groups F & G
  - Class III
- T6, 85°C maximum surface temperature
- CSA C22.2 No. 250.0

CB/CE

SAA Approval AS/NZS 60598.2.5

DLC - contact factory for details

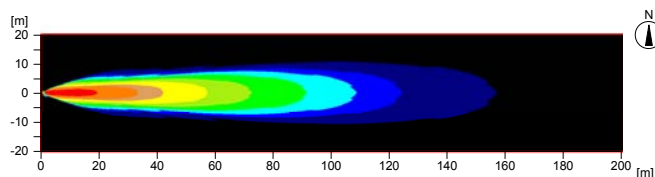
ABS

IP67 rated

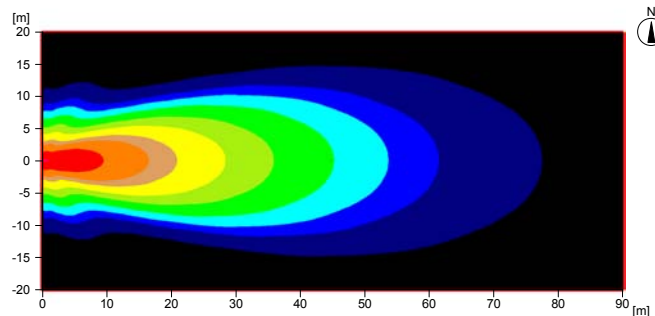
LM79 and LM80 reports available

### Isolux charts

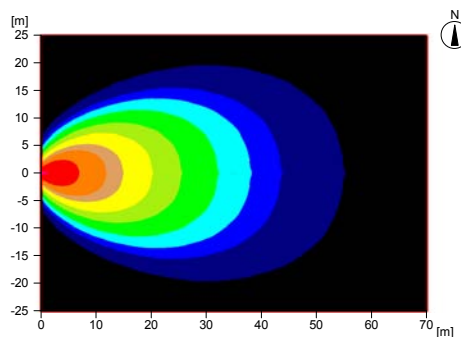
MCH-10-EZ-S



MCH-10-EZ-T



MCH-10-EZ-R



## Ordering Information

Example: MCH-10-EZ-Z-120-277

| Fixture | No. of Modules | Model | Distribution | Voltage                |
|---------|----------------|-------|--------------|------------------------|
| MCH     | 10             | EZ    | Z            | 120-277 <sup>1,3</sup> |
|         |                |       | U            | 277-480 <sup>2</sup>   |
|         |                |       | T            |                        |
|         |                |       | S            |                        |
|         |                |       | R            |                        |
|         |                |       | Q            |                        |
|         |                |       | P            |                        |

### Distribution

|   |                                |
|---|--------------------------------|
| Z | Aisle lighter/path light       |
| U | Perimeter light (shovel light) |
| T | Narrow (24°)                   |
| S | 10°                            |
| R | 50°                            |
| Q | Medium floodlight              |
| P | Very narrow floodlight         |

### Voltage

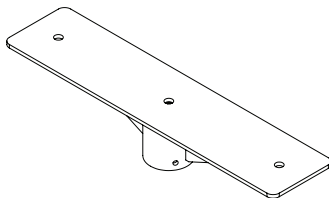
|                        |                   |
|------------------------|-------------------|
| 120-277 <sup>1,3</sup> | 120-277V, 50-60Hz |
| 277-480 <sup>2</sup>   | 277-480V, 50-60Hz |

### Notes

- Two drivers
- One driver
- Can accept 127-431V DC (not ETL/cETL Certified)

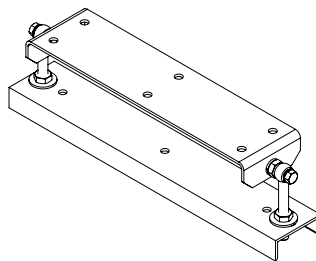
**Special Projects:** We may be able to accommodate your special projects, so please don't hesitate to ask about additional options. Minimum order quantities and/or extended lead times will apply. Contact your Phoenix representative with specific inquiries.

## Accessories (field installed, order separately)



**2 3/8 inch Tenon Mount**

MCPTM



**Boom Mount Kit**

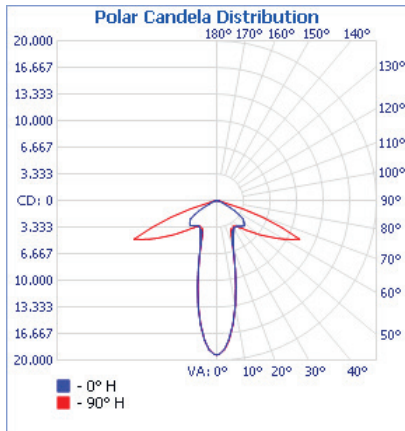
BMKM



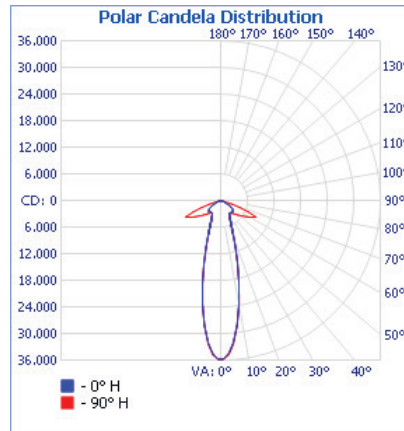


## Photometrics

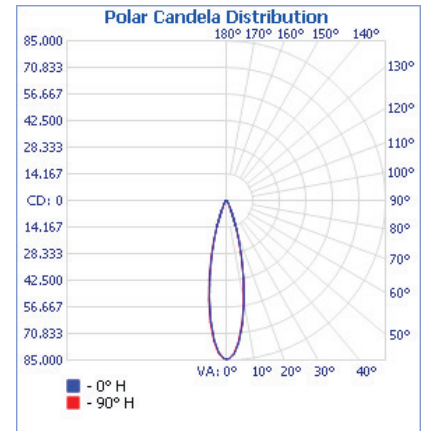
**Z – Aisle Lighter/Path Light**



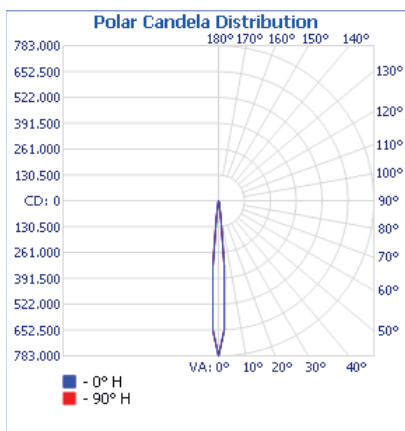
**U – Perimeter Light (Shovel Light)**



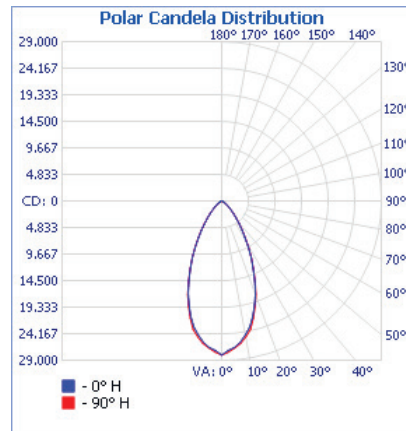
**T – Narrow (24°)**



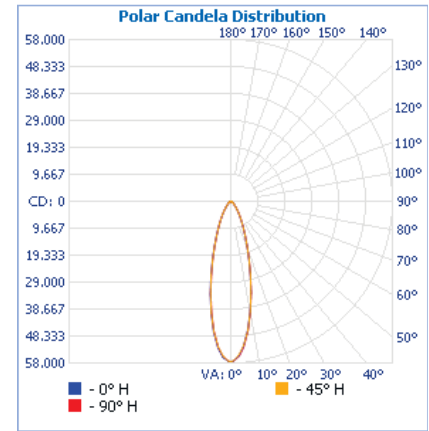
**S – 10°**



**R – 50°**



**Q – Medium Floodlight**





**PHOENIX®**  
DURABILITY X DESIGN™



## ModCom® Lo

### Modular LED Floodlight

US Design Patent No. US D693,507; D736,982  
Australian Design No. 346288

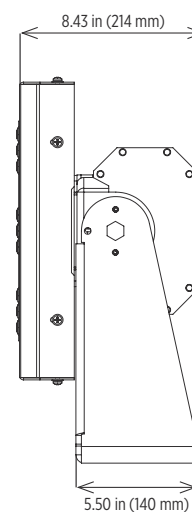
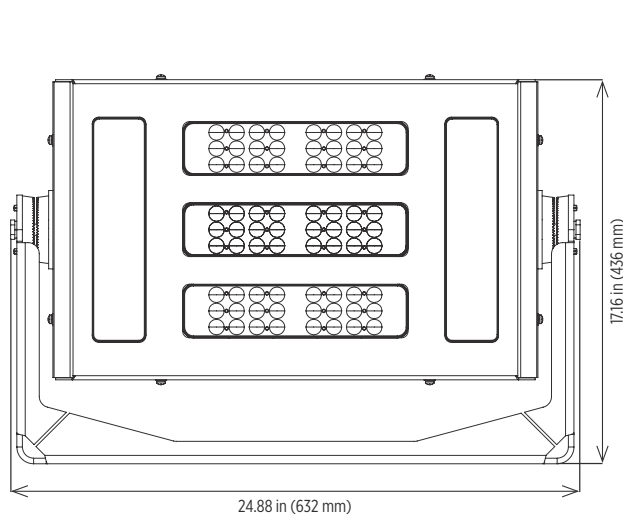
150W design delivers 11,500 lumens and replaces 400W HID fixtures

Optic options for maximum versatility

Expertly engineered with durable, marine grade components

LED technology increases efficiency, eliminates maintenance and supports green initiatives

### Dimensions





### Specifications

|                                      |   |
|--------------------------------------|---|
| <b>Construction</b>                  | Marine grade aluminum frame, LED module, driver housing and cover   |
| <b>Finish</b>                        | White thermoset powder coat   |
| <b>Hardware</b>                      | Marine grade (316) stainless steel  |
| <b>Lens</b>                          | UV- and impact-resistant polycarbonate lens   |
| <b>Light source</b>                  | Lumiled light emitting diodes (LED) modules<br>150W, up to 11,500 lumens (fixture)<br>CRI > 70<br>CCT 5400K<br>50,000 hour rated life<br>Conformal coated circuit boards<br>Replaceable<br>Cool white - standard<br>Neutral white, warm white and amber options - contact factory |
| <b>Power source</b>                  | Premium brand: 120-277V, 50-60Hz or 277-480V, 50-60Hz<br>Can accept 127-431V DC (120-277V only)<br>Overload, over-voltage, over-temperature and short-circuit protection<br>Designed to meet EMC standard<br>Replaceable, fully potted  |
| <b>Power factor</b>                  | > 0.98 (at 115V)  |
| <b>Surge protection</b>              | 10kV (10kA)<br>Dissipates 270 joules at 120-277V<br>Dissipates 360 joules at 347-480V   |
| <b>Wiring</b>                        | Stranded wires<br>External sleeved wires  |
| <b>Ambient operating temperature</b> | -40°C to +50°C (non-hazardous locations)<br>-30°C to +40°C (hazardous locations)<br>Designed for use in areas allowing air flow<br>Higher ambient temperature models available - contact factory  |
| <b>Aiming</b>                        | Lockable aiming washers position fixture in 5° increments<br>Rotates 360°, 16° lateral adjustment   |
| <b>Mounting</b>                      | Adjustable steel harp   |
| <b>Weight</b>                        | Fixture: 55.0 lb (25.0 kg)<br>Packaged: 70.0 lb (31.8 kg)   |
| <b>Carton size</b>                   | 32.00 in x 19.00 in x 11.00 in (812 mm x 482 mm x 279 mm)   |
| <b>Safety cable</b>                  | Safety cable included   |
| <b>Warranty</b>                      | 5 years   |

### Compliances

ETL/cETL Certified to:

- UL 1598 Ordinary Wet Locations
- UL 1598A Marine Outside Type (Saltwater)
- UL 844 Hazardous Location
  - Class I, Division 2 Groups A, B, C, D
  - Class II, Division 2 Groups F & G
  - Class III
- T6, 85°C maximum surface temperature
- CSA C22.2 No. 250.0

CB/CE

SAA Approval AS/NZS 60598.2.5

DLC - contact factory for details

ABS

IP67 rated

LM79 and LM80 reports available



## Ordering Information

Example: MCL-5-EZ-U-120-277

| Fixture | No. of Modules | Model | Distribution | Voltage              |
|---------|----------------|-------|--------------|----------------------|
| MCL     | 5              | EZ    | U            | 120-277 <sup>1</sup> |
|         |                |       | T            | 277-480              |
|         |                |       | R            |                      |
|         |                |       | Q            |                      |

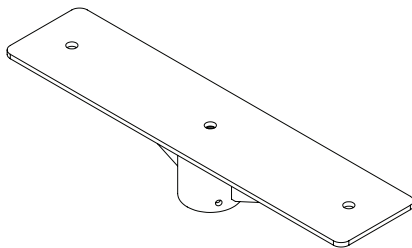
| Distribution |                                | Voltage              |                   |
|--------------|--------------------------------|----------------------|-------------------|
| U            | Perimeter light (shovel light) | 120-277 <sup>1</sup> | 120-277V, 50-60Hz |
| T            | Narrow (24°)                   | 277-480              | 277-480V, 50-60Hz |
| R            | 50°                            |                      |                   |
| Q            | Medium floodlight              |                      |                   |

### Notes

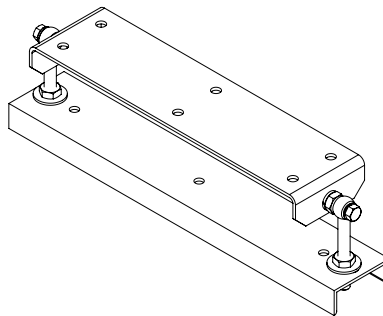
- 1 Can accept 127-431V DC (not ETL/cETL Certified)

**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 (field installed, order separately)



**2 3/8 inch Tenon Mount**  
MCPTM

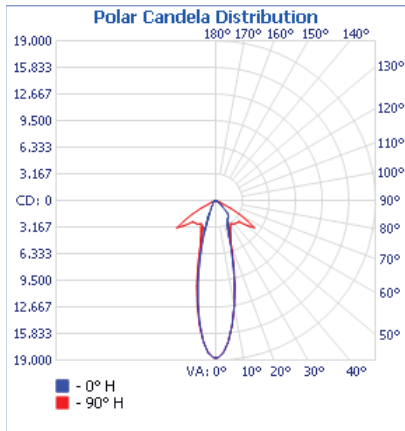


**Boom Mount Kit**  
BMKM

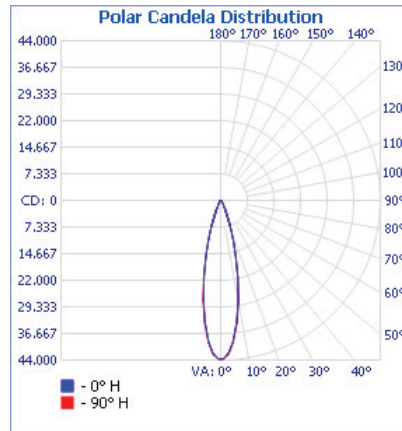


## Photometrics

**U – Perimeter Light (Shovel Light)**



**T – Narrow 24°**



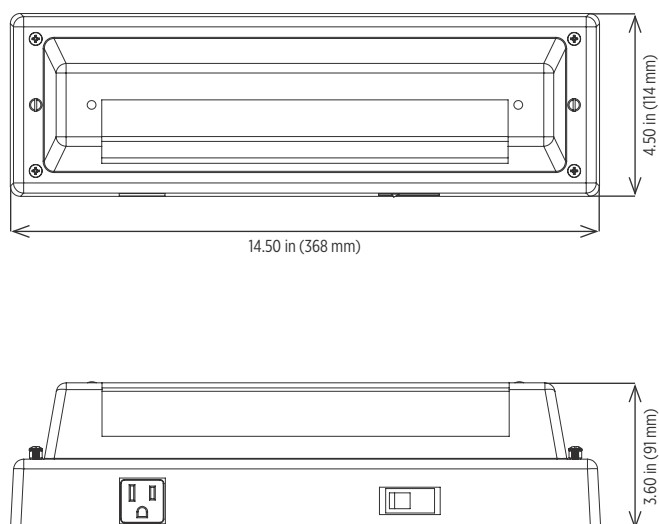
Cover photo: ModCom Lo fixture shown on an electric rope shovel

Product design and specifications are subject to change without notice. The most current version of this specification sheet can be found on our website: [www.phoenixlighting.com](http://www.phoenixlighting.com).



Marine, below-deck fixture for berth and mirror lighting  
Durable, marine grade components offer resistance against corrosion and high vibration  
LED technology increases efficiency, eliminates maintenance and supports green initiatives

### Dimensions



### Specifications

|                                      |   |
|--------------------------------------|---|
| <b>Construction</b>                  | Corrosion-resistant, marine grade, low-copper content aluminum alloy housing<br>White ABS material cover          |
| <b>Hardware</b>                      | Stainless steel external hardware   |
| <b>Lens</b>                          | Clear ribbed acrylic half cut-out lens with diffuse film  |
| <b>Light source</b>                  | Cree XPE conformal coated light emitting diodes (LED)<br>12W<br>2x8W fluorescent equivalent<br>Warm white (3000K) |
| <b>Power source</b>                  | 120V, 50/60Hz<br>Over-voltage and short-circuit protection with auto-recovery                                     |
| <b>Wiring</b>                        | 120V three-wire convenience outlet<br>On/off rocker switch  |
| <b>Ambient operating temperature</b> | 25°C maximum  |
| <b>Mounting</b>                      | Wall mount  |
| <b>Weight</b>                        | 2.5 lb (1.1 kg)   |
| <b>Warranty</b>                      | 3 years   |

Contact factory for IES files

### Compliances

UL/cUL Listed to:

- UL 1598 Suitable for Damp Locations
- UL 1598A Marine Inside Type
- CSA C22.2 No. 250.0-08

ABS



### Ordering Information

**Example:** LEDBM-120-WW

| Fixture | Voltage          | Color Temperature |
|---------|------------------|-------------------|
| LEDBM   | 120 <sup>1</sup> | WW                |

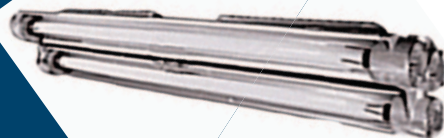
| Voltage          |                | Color Temperature |                    |
|------------------|----------------|-------------------|--------------------|
| 120 <sup>1</sup> | 120V AC driver | WW                | Warm white (3000K) |

#### Notes

- 1 Convenience outlet only rated for 120V NEMA plug

**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 on our website: [www.phoenixlighting.com](http://www.phoenixlighting.com).



Explosion-proof fluorescent fixture UL rated for hazardous and wet locations

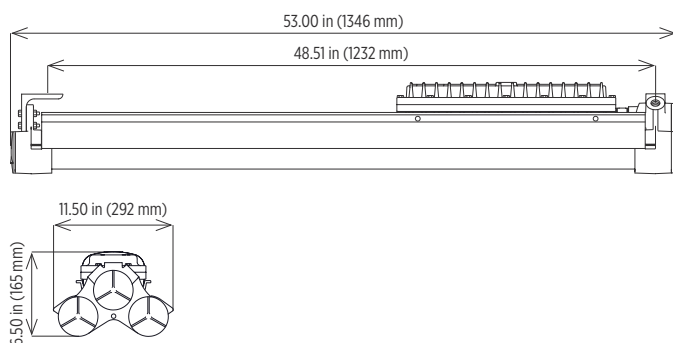
Marine grade components for superior corrosion resistance

For use in chemical plants, drilling rigs, refineries and paint spray booths

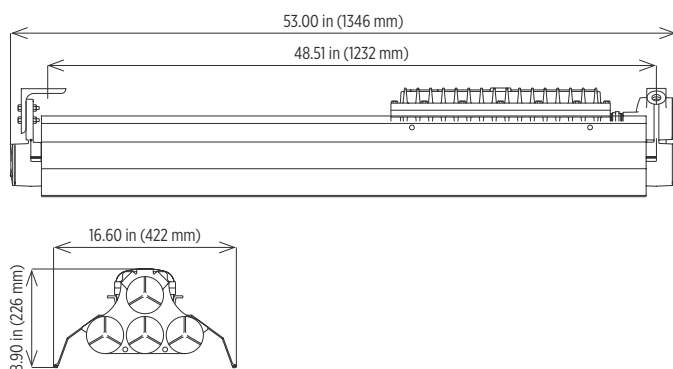
Available with two, three or four lamps

### Dimensions

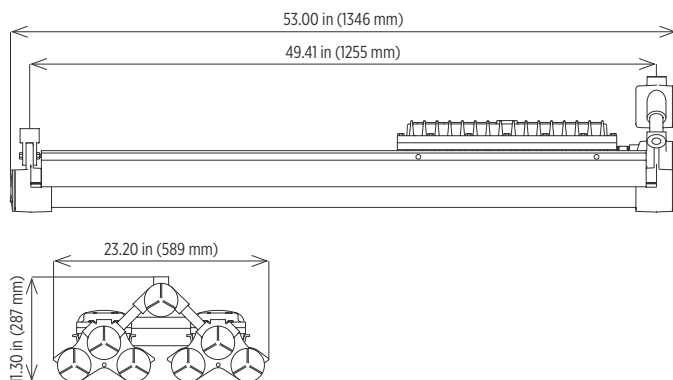
#### Two lamps



#### Three lamps



#### Four lamps



### Specifications

|                                      |  |
|--------------------------------------|--|
| <b>Construction</b>                  | Copper-free aluminum housing                             |
|                                      | Factory sealed and pre-lamped                            |
|                                      | Heavy gauged extruded aluminum reflective hood           |
|                                      | Threaded cast end caps                                   |
| <b>Light source</b>                  | 32W - F32T8/SP41   |
|                                      | 54W - F54/T5HO/4K  |
| <b>Power source</b>                  | Lamps included   |
|                                      | 120-277V, 50/60Hz  |
| <b>Ambient operating temperature</b> | Thermally protected (Class P) cold-weather rated ballast |
|                                      | 40°C maximum   |
| <b>Mounting</b>                      | Mounting accessories sold separately                     |
|                                      | Brackets allow fixture to be mounted at any angle        |
|                                      | Shock mount kit (SMK)                                    |
|                                      | Wall/ceiling mount kit (WCMK)                            |
| <b>Weight</b>                        | Packaged:  |
|                                      | Two lamps - 65.0 lb (29.5 kg)                            |
|                                      | Three lamps - 85.0 lb (38.6 kg)                          |
|                                      | Four lamps - 138.0 lb (62.6 kg)                          |
| <b>Warranty</b>                      | 1 year   |

Contact factory for IES files

### Compliances

UL/cUL Certified to:

- UL 1598A Marine Outside Type (Saltwater)
- UL 844 Hazardous Location
  - Class I, Division 1 Groups C, D
  - Class II, Division 2 Groups E, F, G
  - Class III - suitable for locations having deposit of readily combustible paint residues



# LFXR Series

Explosion-proof Fluorescent

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

## Ordering Information

Example: LFXR-2-32-UNIV

| Fixture | Lamps | Wattage/Type | Voltage | Options          |
|---------|-------|--------------|---------|------------------|
| LFXR    | 2     | 32           | UNIV    | EMB <sup>1</sup> |
|         | 3     | 54           |         |                  |
|         | 4     |              |         |                  |

| Lamps |             | Wattage/Type  | Voltage                | Options                                   |
|-------|-------------|---------------|------------------------|---|
| 2     | Two lamps   | 32 F32T8/SP41 | UNIV 120-277V, 50/60Hz | EMB <sup>1</sup> Emergency battery backup |
| 3     | Three lamps | 54 F54T5/HO   |                        |   |
| 4     | Four lamps  |               |                        |   |

### Notes

- 1 Emergency battery backup (EMB) available with 32W only

**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 (field installation)



**4 Foot Wire Lens Guard (per two lamps)**

WG-R2L



**Shock Mount Kit**

SMK



**Wall/Ceiling Mount Kit**

WCMK

## T Rating (Maximum Surface Temperature)

|                                     | Max. Operating Temperature (°C) |
|-------------------------------------|---------------------------------|
| Class I, Division 1 Groups C, D     | 85 (T6)                         |
| Class II, Division 1 Groups E, F, G | 85 (T6)                         |
| Class III                           | 85 (T6)                         |
| Simultaneous Presence C1 & C2       | 85 (T6)                         |



Meets the requirements of the  
Buy American Act (BAA) and/or the  
American Recovery and Reinvestment Act (ARRA)

Product design and specifications are subject to change without notice. The most current version of this specification sheet can be found on our website: [www.phoenixlighting.com](http://www.phoenixlighting.com).



Phoenix Products Company Inc. 8711 West Port Avenue Milwaukee, WI 53224 USA  
Phone: +1 414.973.3300 Toll Free: 800.438.1214 Fax: +1 414.973.3210 [www.phoenixlighting.com](http://www.phoenixlighting.com)

N5610007B  
11.03.15



## Portable Explosion-proof Floodlight



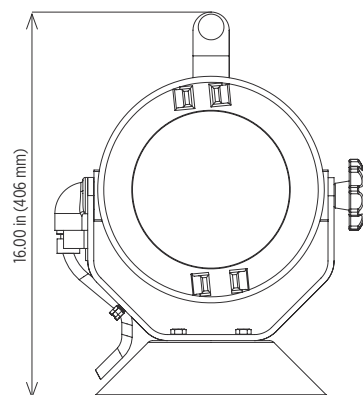
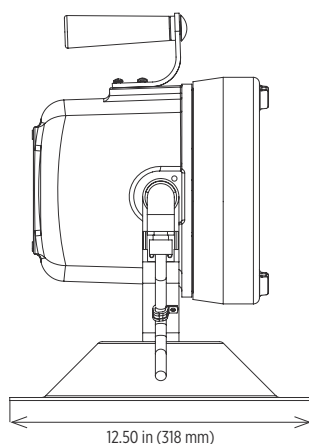
Portable explosion-proof floodlight rated for hazardous and wet locations

Maximum versatility with multiple lamp options and integral ballast

For use in chemical plants, drilling rigs, refineries and other hazardous locations

Grain model standard on 70W double-ended metal halide

### Dimensions



### Specifications

|                     |   |
|---------------------|---|
| <b>Construction</b> | Marine grade, cast aluminum shell, cover and sealed fittings                              |
| <b>Finish</b>       | Yellow thermoset powder coat  |
| <b>Reflector</b>    | Specular aluminum   |
| <b>Lens</b>         | ¾ inch tempered glass   |
| <b>Light source</b> | INC - R30 and PAR38; 110W, 150W<br>MH/DE - T6, 70W - Grain model<br>Lamp not included     |
| <b>Power source</b> | 120V, 60Hz - standard   |
| <b>Wiring</b>       | 100 feet of 16/3 SOW cord (25 feet must be maintained)<br>Wire entrance is factory sealed |
| <b>Mounting</b>     | Portable base has three holes   |
| <b>Weight</b>       | 16.0-19.0 lb (7.3-8.6 kg)   |
| <b>Warranty</b>     | 1 year  |

Contact factory for IES files

### Compliances

UL/cUL Listed to:

- UL 781 Portable Electric Lighting Units for Hazardous Location
  - Class I, Division 1 Groups C & D
  - Class II, Division 1 Groups F & G
  - Class III, Division 1
- UL 1598A Marine Outside Type (Saltwater)
- CSA Type 4, Hazardous Location
  - Class I, Division 2 Groups C & D
- CSA Type 4X
  - Class I, Division 2 Groups C & D
  - Class II, Division 1 Groups F & G
  - Class III



Meets the requirements of the  
Buy American Act (BAA) and/or the  
American Recovery and Reinvestment Act (ARRA)



## Portable Explosion-proof Floodlight

### Ordering Information

Example: SLXP-INC-120

| Fixture | Wattage/Type                | Voltage |
|---------|-----------------------------|---------|
| SLXP    | INC<br>70MH/DE <sup>1</sup> | 120     |

| Wattage/Type         | Voltage                       |
|----------------------|-------------------------------|
| INC                  | 110 or 150W max incandescent  |
| 70MH/DE <sup>1</sup> | 70W double-ended metal halide |
|                      | 120 120V, 60Hz                |

#### Notes

- 1 70MH/DE model fixture for use in Class II Group G or Class III - ideal for grain applications. This fixture has restricted aiming positions of less than 30° above horizontal.

**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.

### T Rating (Maximum Surface Temperature)

| Phoenix Model            | Lamp Wattage | Class I, Division 1 |                       | Class II, Division 1 |                       | Class III             |                    |
|--------------------------|--------------|---------------------|-----------------------|----------------------|-----------------------|-----------------------|--------------------|
|                          |              | Group               | Max. Temp Code (F/C°) | Group                | Max. Temp Code (F/C°) | Max. Temp Code (F/C°) | Ambient Temp. (C°) |
| SLXP INC                 | INC-110      | C & D               | T3A 356/180           | F                    | T3 392/200            | -                     | 40                 |
| SLXP INC                 | INC-150      | C & D               | T3A 356/180           | -                    | T3A 356/180           | -                     | 40                 |
| SLXP70MH/DE <sup>1</sup> | MH-70        | C & D               | T4 275/135            | F & G                | T4 275/135            | T4 375/135            | 40                 |

Product design and specifications are subject to change without notice. The most current version of this specification sheet can be found on our website: [www.phoenixlighting.com](http://www.phoenixlighting.com).

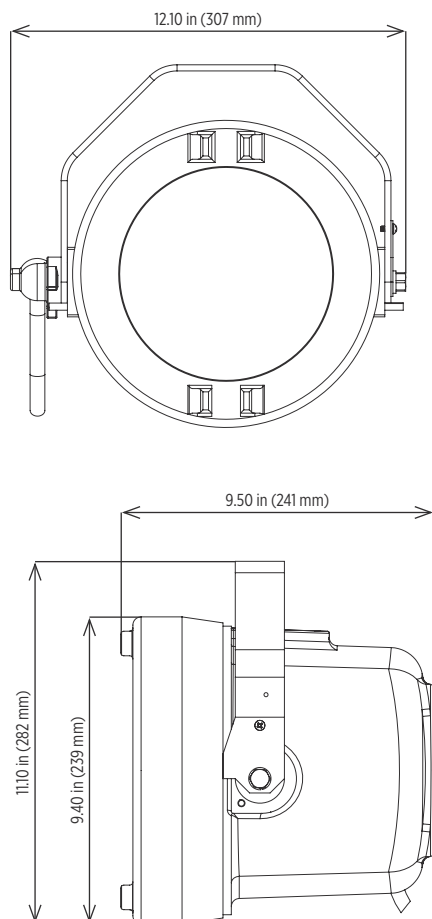


## Explosion-proof LED Floodlight



Explosion-proof LED floodlight rated for hazardous and wet locations  
For use in chemical plants, drilling rigs, refineries and other hazardous locations  
LED technology increases efficiency, eliminates maintenance and supports green initiatives

### Dimensions



### Specifications

|                                      |  |
|--------------------------------------|--|
| <b>Construction</b>                  | Marine grade cast aluminum shell, cover and sealed fittings<br>Threaded joints are lubricated with non-drying petrolatum   |
| <b>Finish</b>                        | Yellow thermoset powder coat   |
| <b>Hardware</b>                      | Zinc plated steel  |
| <b>Lens</b>                          | ¾ inch thick tempered glass  |
| <b>Light source</b>                  | Lumileds Luxeon light emitting diodes (LED)<br>39W, 2540 lumens (fixture)<br>Conformal coated modules<br>Flood (45°) and spot (28°) optics available<br>CCT 5400-5600K<br>50,000 hour rated life |
| <b>Power source</b>                  | 120-277V, 50-60Hz<br>Fully potted (2 per fixture)<br>Replaceable<br>Over-voltage, over-current and short-circuit protection  |
| <b>Power factor</b>                  | > 0.9  |
| <b>Wiring</b>                        | Three 90.00 inch (2286 mm) 16 gauge stranded leads<br>Wire entrance is factory sealed  |
| <b>Ambient Operating Temperature</b> | -20°C to +40°C   |
| <b>Mounting</b>                      | Marine grade wrought aluminum harp   |
| <b>Weight</b>                        | Fixture: 25.0 lb (11.3 kg)<br>Packaged: 26.5 lb (12.0 kg)  |
| <b>Warranty</b>                      | 5 years  |

### Compliances

ETL/cETL Certified to:

- UL 1598 Ordinary Locations
- UL 1598A Marine Outside Type (Saltwater)
- UL 844 Suitable for Hazardous Locations
  - Class I, Division 1 Groups C & D
  - Class I, Division 2 Groups A, B, C & D
  - Class II, Divisions 1 & 2 Groups F & G
  - Class III, Divisions 1 & 2
- CSA C22.2 No. 250.0, 94.0, 213.0, 137.0, 30.0
- Nema 4X
- T6 (85°C) Temperature Rating



Meets the requirements of the  
Buy American Act (BAA) and/or the  
American Recovery and Reinvestment Act (ARRA)



### Ordering Information

Example: SLXLED-FL

| Fixture | Optic |
|---------|-------|
| SLXLED  | FL    |
|         | SP    |

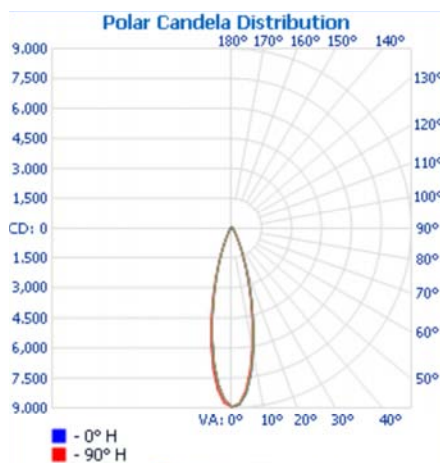
#### Optic

|    |                 |
|----|-----------------|
| FL | 45° flood optic |
| SP | 28° spot optic  |

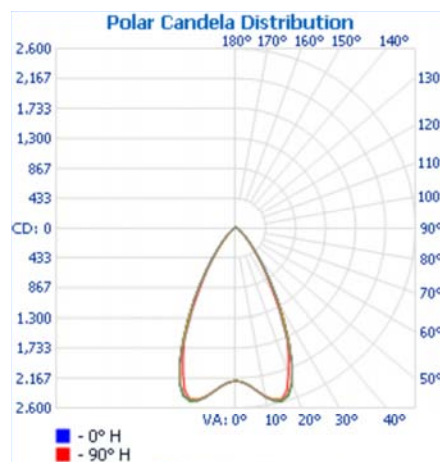
**Special Projects:** We may be able to accommodate your special projects, so please don't hesitate to ask about additional options. Minimum order quantities and/or extended lead times will apply. Contact your Phoenix representative with specific inquiries.

### Photometrics

SLXLED - Spot



SLXLED - Flood



Product design and specifications are subject to change without notice. The most current version of this specification sheet can be found on our website: [www.phoenixlighting.com](http://www.phoenixlighting.com).



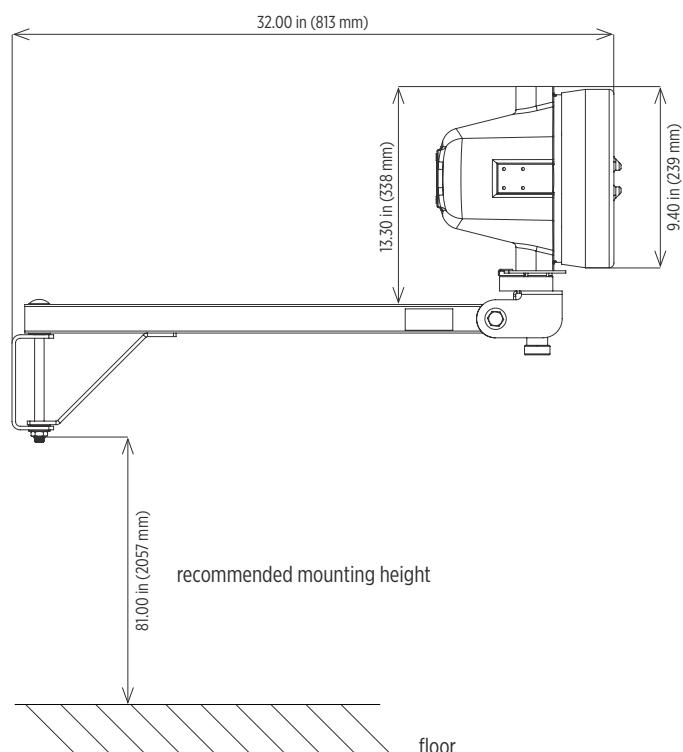
Explosion-proof LED task light rated for hazardous and wet locations

Maximum versatility with spot and flood optic options

For use in chemical plants, drilling rigs, refineries and other hazardous locations

LED technology increases efficiency, eliminates maintenance and supports green initiatives

### Dimensions



### Specifications

|                                      |  |
|--------------------------------------|--|
| <b>Construction</b>                  | Corrosion-resistant, copper-free cast aluminum shell and cover   |
| <b>Finish</b>                        | Yellow thermoset powder coat   |
| <b>Hardware</b>                      | Zinc plated  |
| <b>Lens</b>                          | ¾ inch thick tempered glass  |
| <b>Arm</b>                           | 26.00 inch swing arm made from 1.50 inch square steel tube<br>Swings horizontally up to 180°   |
| <b>Joints</b>                        | Threaded joints between shell and cover  |
| <b>Head</b>                          | Head rotates up to 230° horizontally and up to 74° vertically  |
| <b>Light source</b>                  | Lumileds Luxeon light emitting diodes (LED)<br>39W, 2540 lumens<br>Conformal coated modules<br>Flood (45°) and spot (28°) optics available<br>CCT 5400-5600K<br>50,000 hour rated life |
| <b>Power source</b>                  | 120-277V, 50-60Hz<br>Over-voltage, over-current and short-circuit protection<br>Fully potted, replaceable (two per fixture)  |
| <b>Power factor</b>                  | > 0.9  |
| <b>Wiring</b>                        | 6 feet (1.8 m) of wire<br>Wire entrance is factory sealed  |
| <b>Ambient operating temperature</b> | -20°C to +40°C   |
| <b>Mounting</b>                      | 3x5 inch zinc plated steel bracket   |
| <b>Weight</b>                        | Contact factory  |
| <b>Warranty</b>                      | 3 years  |

### Compliances

ETL/cETL Certified to:

- UL 1598 Ordinary 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, Divisions 1 & 2 Groups F & G
  - Class III, Divisions 1 & 2
  - NEMA 4X
  - T6 (85°C) Temperature Rating
- CSA C22.2 No. 250.0



Ordering Information

Example: DLXLED-FL

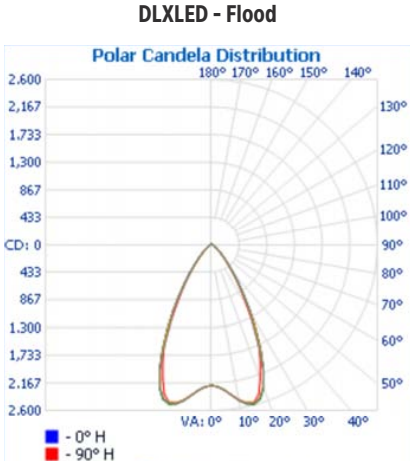
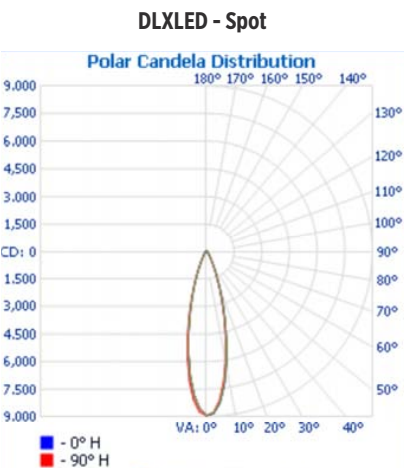
| Fixture | Optic |
|---------|-------|
| DLXLED  | FL    |
|         | SP    |

Optic

- FL 45° flood optic
- SP 28° spot optic

**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.

Photometrics



Product design and specifications are subject to change without notice. The most current version of this specification sheet can be found on our website: [www.phoenixlighting.com](http://www.phoenixlighting.com).

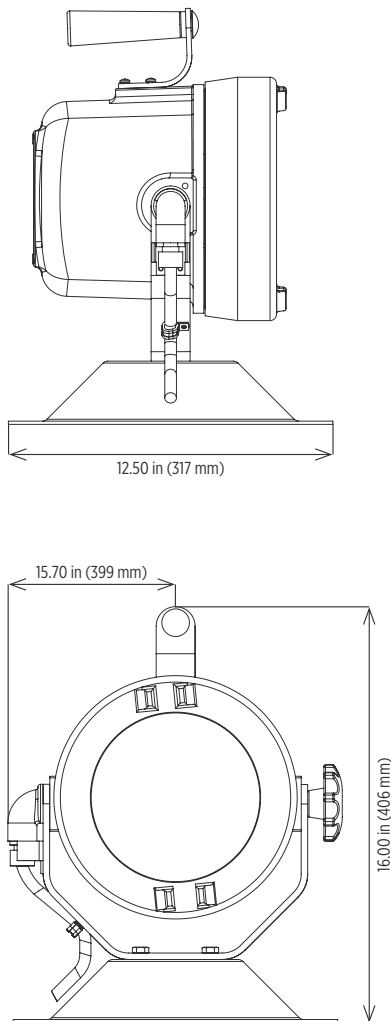


## Portable Explosion-proof LED Floodlight



Explosion-proof portable LED floodlight rated for hazardous and wet locations  
For use in chemical plants, drilling rigs, refineries and other hazardous locations  
LED technology increases efficiency, eliminates maintenance and supports green initiatives

### Dimensions



### Specifications

|                                      |  |
|--------------------------------------|--|
| <b>Construction</b>                  | Marine grade cast aluminum shell, cover and sealed fittings<br>Marine grade wrought aluminum handle bracket<br>Threaded joints are lubricated with non-drying petrolatum                         |
| <b>Finish</b>                        | Yellow thermoset powder coat   |
| <b>Hardware</b>                      | Stainless steel  |
| <b>Lens</b>                          | ¾ inch thick tempered glass  |
| <b>Light source</b>                  | Lumileds Luxeon light emitting diodes (LED)<br>39W, 2540 lumens (fixture)<br>Conformal coated modules<br>Flood (45°) and spot (28°) optics available<br>CCT 5400-5600K<br>50,000 hour rated life |
| <b>Power source</b>                  | 120-277V, 50-60Hz<br>Fully potted (2 per fixture)<br>Replaceable<br>Over-voltage, over-current and short-circuit protection  |
| <b>Power factor</b>                  | > 0.9  |
| <b>Wiring</b>                        | Supplied with 50 feet of 16/3 type SOW cord<br>Wire entrance is factory sealed   |
| <b>Ambient Operating Temperature</b> | -20°C to +40°C   |
| <b>Mounting</b>                      | Portable base has three holes<br>Marine grade wrought aluminum base and harp   |
| <b>Weight</b>                        | Fixture: 26.5 lb (12.0 kg)<br>Packaged: 29.2 lb (13.2 kg)  |
| <b>Warranty</b>                      | 5 years  |

### Compliances

ETL/cETL Certified to:

- UL 1598 Ordinary Locations
- UL 1598A Marine Outside Type (Saltwater)
- UL 844 Suitable for Hazardous Locations
  - Class I, Division 1 Groups C & D
  - Class I, Division 2 Groups A, B, C & D
  - Class II, Divisions 1 & 2 Groups F & G
  - Class III, Divisions 1 & 2
- CSA C22.2 No. 250.0, 94.0, 213.0, 137.0, 30.0
- Nema 4X
- T6 (85°C) Temperature Rating



Meets the requirements of the  
Buy American Act (BAA) and/or the  
American Recovery and Reinvestment Act (ARRA)





### Ordering Information

Example: SLXPLED-FL

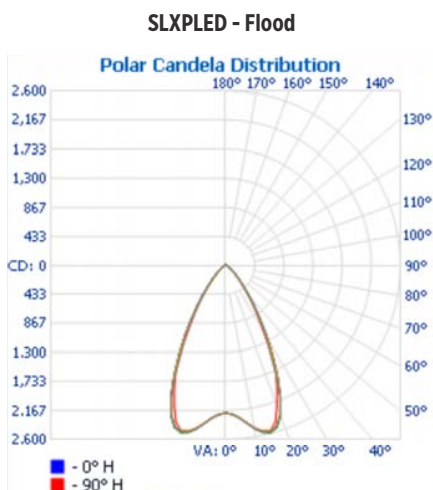
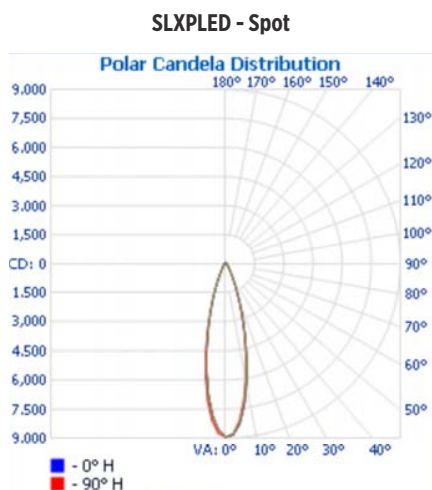
| Fixture | Optic |
|---------|-------|
| SLXPLED | FL    |
|         | SP    |

#### Optic

FL 45° flood optic  
SP 28° spot optic

**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.

### Photometrics



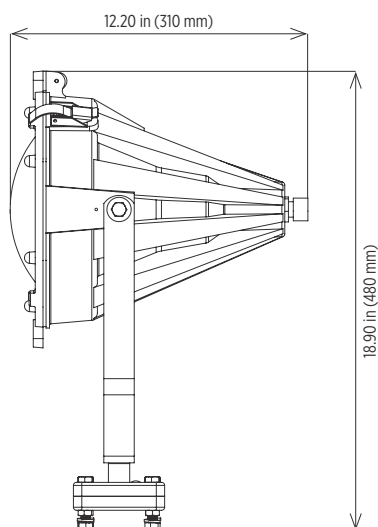
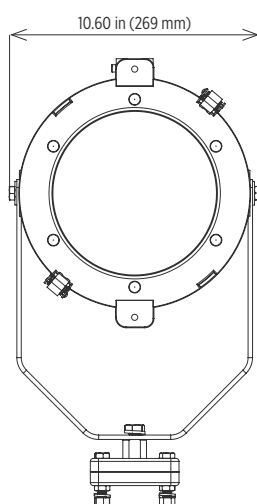
Product design and specifications are subject to change without notice. The most current version of this specification sheet can be found on our website: [www.phoenixlighting.com](http://www.phoenixlighting.com).

## Wet Location Sturdlite® Floodlight



Rough-service floodlight with a lightweight design for easy handling  
For use on mining equipment, ground vehicles and construction equipment  
Incandescent and halogen compatability with an optional wire guard accessory

### Dimensions



### Specifications

|                     |   |
|---------------------|---|
| <b>Construction</b> | Marine grade cast aluminum housing and door                         |
| <b>Finish</b>       | Yellow thermoset powder coat on housing and door                    |
| <b>Hardware</b>     | Zinc plated   |
| <b>Lens</b>         | Convex, heat-resistant, heavy duty tempered glass                   |
| <b>Light source</b> | Accepts PAR 56 incandescent lamps (up to 500W)<br>Lamp not included |
| <b>Power source</b> | 120V  |
| <b>Wiring</b>       | 48.00 in (1219 mm) 18-3 power cord                                  |
| <b>Mounting</b>     | Shock mount base<br>Steel plated harp                               |
| <b>Weight</b>       | 13.0 lb (5.9 kg)  |
| <b>Warranty</b>     | 1 year  |

Contact factory for IES files

### Compliances

UL/cUL Listed to:

- UL 1598 Suitable for Wet Locations
- UL 1598A Marine Outside Type (Saltwater)

CSA Certified Indoor/Outdoor - Enclosure 4X



Meets the requirements of the  
Buy American Act (BAA) and/or the  
American Recovery and Reinvestment Act (ARRA)



### Ordering Information

---

**Example:** WT120/56/500

| Fixture      |
|--------------|
| WT120/56/500 |

**Fixture**

WT120/56/500 Mogul end prong lamp connection PAR 56 lamp fixtures (500W maximum)

**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 (order separately)

---

**Wire Lens Guard**

WG-6

Product design and specifications are subject to change without notice. The most current version of this specification sheet can be found on our website: [www.phoenixlighting.com](http://www.phoenixlighting.com).





Linear fluorescent fixture UL rated for wet locations

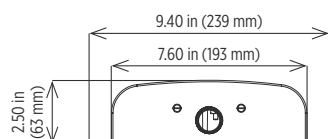
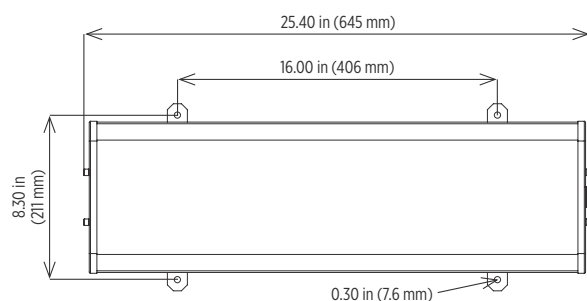
Compact, low profile design with vibration-resistant lamp holders

For use in tunnels, low ceiling areas, and on commercial and offshore supply ships

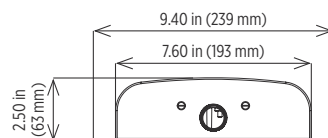
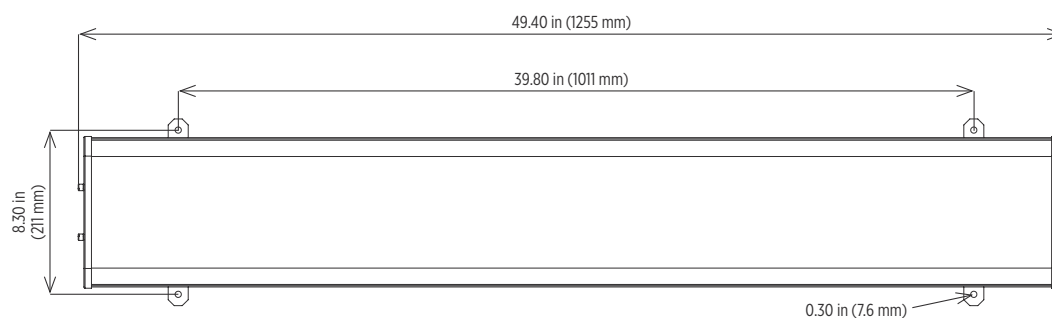
Available in 17W (2 foot) and 32W (4 foot) models

## Dimensions

### 17 watt



### 32 watt



Meets the requirements of the  
Buy American Act (BAA) and/or the  
American Recovery and Reinvestment Act (ARRA)



# LFL Series

## Low Profile Fluorescent

### Specifications

|                     |   |
|---------------------|---|
| <b>Construction</b> | Marine grade aluminum housing<br>Stainless steel caps               |
| <b>Finish</b>       | White thermoset powder coat   |
| <b>Hardware</b>     | Stainless steel   |
| <b>Lens</b>         | Ribbed acrylic  |
| <b>Lamp holder</b>  | Vibration-resistant, twist-lock lamp holders                        |
| <b>Light source</b> | 17W and 32W T8 lamps<br>Lamps not included                          |
| <b>Power source</b> | 120-277, 50/60 Hz (UNIV)  |
| <b>Wiring</b>       | Terminal block - standard<br>Supplied with two ½ inch threaded hubs |
| <b>Mounting</b>     | Ceiling mount   |
| <b>Weight</b>       | 17W - 7.0 lb (3.18 kg) - standard<br>32W - 10.0 lb (4.54 kg)        |
| <b>Warranty</b>     | 1 year  |

Contact factory for IES files

### Compliances

UL/cUL Listed:

- UL 1598 Suitable for Wet Locations
- UL 1598A Marine Inside Dripproof Type

CSA

### Ordering Information

Example: LFL-2-17

| Fixture | Lamp Quantity | Wattage/Type |
|---------|---------------|--------------|
| LFL     | 2             | 17           |
|         |               | 32           |

#### Wattage/Type

- |    |                                |
|----|--------------------------------|
| 17 | F17 T8 (medium bi-pin, 2 foot) |
| 32 | F32 T8 (medium bi-pin, 4 foot) |

**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.



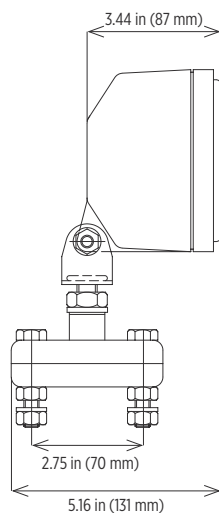
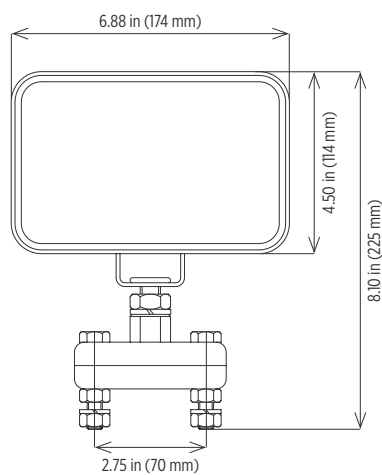
The Sturdilite<sup>®</sup> Series has brought superior lighting to heavy duty applications since the 1940s

Single lamp with a flood beam pattern

Heavy duty, shock mount base comes standard

For use on mobile mining equipment

## Dimensions



## Specifications

|                     |   |
|---------------------|---|
| <b>Construction</b> | Heavy duty, lightweight black polycarbonate housing                         |
| <b>Hardware</b>     | Zinc plated and chromate dipped exterior hardware                           |
| <b>Light source</b> | Quartz halogen lamp up to 70W - provided<br>Single lamp, flood beam pattern |
| <b>Aiming</b>       | 360° rotation<br>25° forward and 140° backward tilt                         |
| <b>Power source</b> | 24V DC  |
| <b>Wiring</b>       | 12.00 inch #18 gauge leads  |
| <b>Mounting</b>     | Shock mount base<br>Universal positioning                                   |
| <b>Weight</b>       | Fixture: 3.5 lb (1.6 kg)<br>Packaged: 4.0 lb (1.8 kg)                       |
| <b>Warranty</b>     | 1 year  |

Contact factory for IES files



## Ordering Information

Example: 24-70-F

| Fixture | Wattage | Optic |
|---------|---------|-------|
| 24      | 70      | F     |

| Fixture |                         | Wattage |     | Optic |               |
|---------|-------------------------|---------|-----|-------|---------------|
| 24      | 24V DC single lamp head | 70      | 70W | F     | Flood pattern |

**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.

## Lamping Data (lamp included)

|               |         | NEMA Type        | Max Beam<br>Candlepower |
|---------------|---------|------------------|-------------------------|
| Lamp Type     | Wattage | Photometric Data |                         |
| flood pattern | 70      | 5x3 / 5x3        | 3780 / 1890             |

Product design and specifications are subject to change without notice. The most current version of this specification sheet can be found on our website: [www.phoenixlighting.com](http://www.phoenixlighting.com).





## Remote HID Ballast

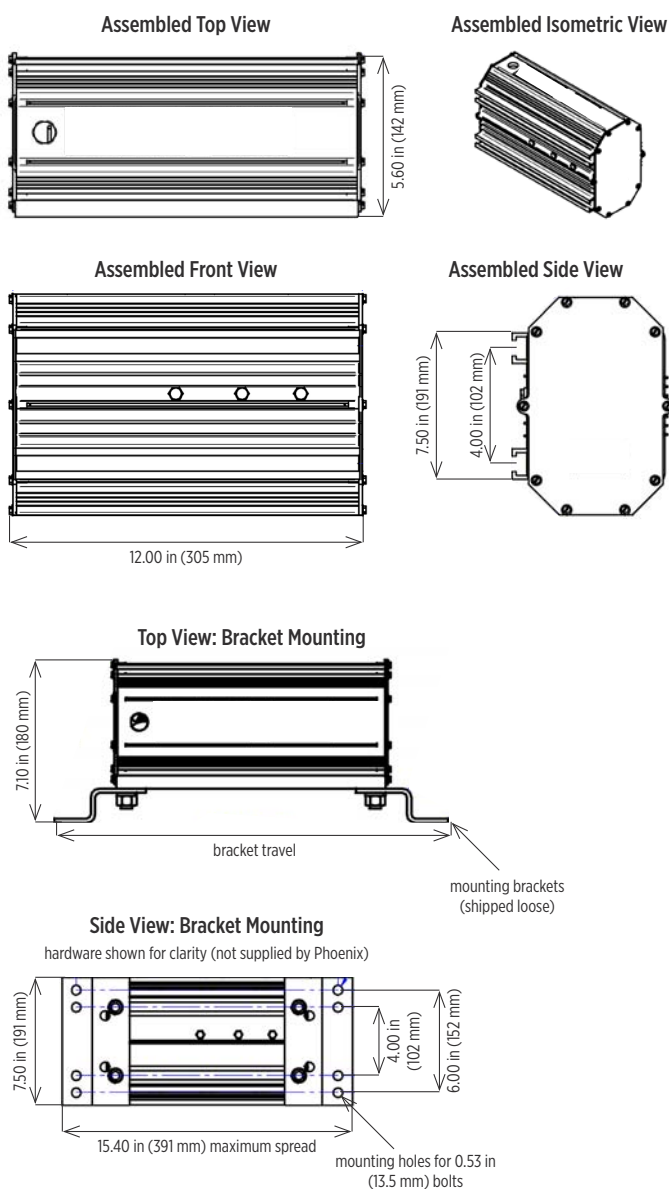
For use with various heavy duty Phoenix HID fixtures

Options for various HID lighting technologies

Rated for hazardous and wet locations



## Dimensions



## Specifications

|                                      |   |
|--------------------------------------|---|
| <b>Construction</b>                  | Marine grade, low-copper content extruded aluminum housing  |
| <b>Finish</b>                        | Anodized  |
| <b>Hardware</b>                      | Stainless steel external hardware   |
| <b>Gaskets</b>                       | EPDM gaskets on the end caps<br>Neoprene o-ring gaskets on the cap screws   |
| <b>Lamp type</b>                     | High pressure sodium (400W-1000W)<br>Metal halide (400W-1000W)<br>Pulse start metal halide (400W)                                   |
| <b>Power source</b>                  | Quad volt - 120/208/240/277V; 60 Hz (QV)<br>International dual/multi volt - 220-240V; 50 Hz (230V)<br>480 volt - 480V; 60 Hz (480V) |
| <b>Ambient operating temperature</b> | High pressure sodium minimum starting temperature: -30°C (-22°F)<br>Maximum ambient temperature: 40°C (104°F)                       |
| <b>Mounting</b>                      | Direct mount to surface with 0.53 inches (13.5 mm) hex bolts<br>Adjustable mounting brackets (supplied)                             |
| <b>Weight</b>                        | Maximum weight:<br>400W MH/HPS: 26.0 lb<br>1000W MH/HPS: 39.5 lb<br>1500W MH/HPS: 43.5 lb   |
| <b>EPA</b>                           | 0.83 sq ft  |
| <b>Replacement kits</b>              | Core and coil replacement kits available - contact factory  |
| <b>Warranty</b>                      | 1 year limited warranty   |

## Certifications

UL/cUL Listed to:

- UL 1598A Marine Outside Type (Saltwater)
- UL 844 Hazardous Location (all mounting types)
  - Class I, Division II Groups A, B, C, D
  - Class II, Division II Groups F & G
  - Class III
  - T4, 135°C maximum surface temperature
- CSA C22.2 No. 250.0



## Remote HID Ballast

## Ordering Information

Example: BLST-A-400-HPS-QV

| Fixture | Type | Wattage | Lamp Type         | Voltage             |
|---------|------|---------|-------------------|---------------------|
| BLST    | A    | 400     | HPS               | QV                  |
|         |      | 1000    | MH                | 230V <sup>2,3</sup> |
|         |      |         | PSMH <sup>1</sup> | 480V                |

| Wattage |       | Lamp Type         |                                   | Voltage             |   |
|---------|-------|-------------------|-----------------------------------|---------------------|---|
| 400     | 400W  | HPS               | High pressure sodium (400W-1000W) | QV                  | Quad volt (120/208/240/277V; 60 Hz)             |
| 1000    | 1000W | MH                | Metal halide (400W-1500W)         | 230V <sup>2,3</sup> | International dual/multi volt (220-240V; 50 Hz) |
|         |       | PSMH <sup>1</sup> | Pulse start metal halide (400W)   | 480V                | 480 Volt (480V; 60 Hz)                          |

## Notes

- 1 Not available on 1000W models
- 2 Not available on 1000W HPS
- 3 Contact factory

**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.

## Maximum Mounting Distances

| Lamp |     |              | Maximum One-Way Length of Wire<br>Between Lamp and Ballast (feet)<br>(Voltage Drop Limit to 1% of Lamp Voltage) |           |         |       |       |
|------|-----|--------------|---|-----------|---------|-------|-------|
|      |     |              | Minimum Wire Size   |           |         |       |       |
|      |     |              | ANSI  | Lamp Type | Wattage | 12 GA | 14 GA |
|      | M59 | metal halide | 400   | 132       | 83      | 52    | 33    |
|      | M47 | metal halide | 1000  | 196       | 123     | 77    | 48    |

Taken from Universal 2012- 2013 Catalog

Product design and specifications are subject to change without notice. The most current version of this specification sheet can be found on our website: [www.phoenixlighting.com](http://www.phoenixlighting.com).



## Heavy Duty Searchlight

Government NSN# 6230-01-233-1682

Heavy duty searchlight rated for wet locations

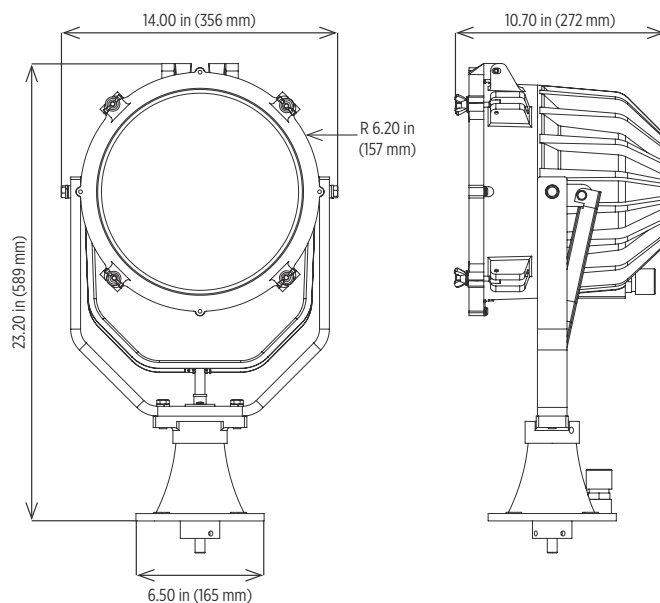
Designed for easy aiming

Simple, no-tool relamping and maintenance

For use in heavy duty marine environments



## Dimensions



## Specifications

|                     |   |
|---------------------|---|
| <b>Construction</b> | Marine grade cast aluminum housing, door and bracket                          |
| <b>Finish</b>       | White thermoset powder coat   |
| <b>Hardware</b>     | Stainless steel external hardware   |
| <b>Lens</b>         | Clear heat-resistant tempered cover lens                                      |
| <b>Aiming</b>       | Dual axis   |
| <b>Light source</b> | Halogen - PAR64, 1000W<br>Extended mogul end prong lamps<br>Lamp not included |
| <b>Power source</b> | 120V, 60Hz  |
| <b>Wiring</b>       | 8.5 foot (2.6 m), 16/3 SEO cord   |
| <b>Mounting</b>     | Base  |
| <b>Weight</b>       | 35.0 lb (15.9 kg)   |
| <b>Warranty</b>     | 1 year  |

Contact factory for IES files

## Compliances

UL/cUL Listed to:  
 • UL 1598A Marine Outside Type (Saltwater)  
 CSA Certified Type 4X  
 ABS



Meets the requirements of the  
Buy American Act (BAA) and/or the  
American Recovery and Reinvestment Act (ARRA)



# MRS 64/1000SL

Heavy Duty Searchlight

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

## Ordering Information

### Fixture

Example: MRS64/1000SL

#### Fixture

MRS64/1000SL

Must choose Twist Lever Kit or Hand Wheel Kit in addition to Coupling/Torque Tube Kit for complete installation

## Mounting (needed for complete installation)



**Twist Lever Kit**

TWST LVR



**Hand Wheel Kit**

HDW HL

## Coupling/Torque Tube Kit (needed for complete installation)

| Kit    | Coupling/Torque Tube Kits used between light head and controls             | Approximate distance from light head to control center line |                      |
|--------|--|---|----------------------|
|        |  | Twist Lever   | Hand Wheel           |
| TTK-8  | 8.00 in (203 mm) length - for maximum roof thickness of 4.25 in (108 mm)   | 9.80 in<br>(249 mm)   | 9.80 in<br>(249 mm)  |
| TTK-16 | 16.00 in (406 mm) length - for maximum roof thickness of 13.00 in (330 mm) | 18.00 in<br>(457 mm)  | 18.00 in<br>(457 mm) |

**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 on our website: [www.phoenixlighting.com](http://www.phoenixlighting.com).



Phoenix Products Company Inc. 8711 West Port Avenue Milwaukee, WI 53224 USA  
Phone: +1 414.973.3300 Toll Free: 800.438.1214 Fax: +1 414.973.3210 [www.phoenixlighting.com](http://www.phoenixlighting.com)

N5610167E  
11.09.15



Incandescent Wall Mount



32W Compact Fluorescent Wall Mount

Vaporproof fixtures UL rated for hazardous and wet locations  
Durable design with marine grade components and vaporproof seal against outside elements  
Maximum versatility with multiple mounting capabilities, lamp and globe options and accessories  
For use in food processing areas, stairwells, elevator pits and other demanding applications

### Specifications

|                                      |  |
|--------------------------------------|--|
| <b>Construction</b>                  | Engineering grade, nonmetallic thermoplastic construction<br>32W unit has a marine grade aluminum extension<br>Silicone gaskets  |
| <b>Finish</b>                        | Gray finish on housing and guard - standard<br>See ordering information for details  |
| <b>Hardware</b>                      | External screws and inserts are corrosion resistant  |
| <b>Globes</b>                        | Clear heat treated glass - standard<br>Prismatic glass accessory   |
| <b>Guard</b>                         | Guard is standard on fixture<br>Thermoplastic polymer<br>Gray - standard; guard color will match housing   |
| <b>Reflector</b>                     | Clear, impact-resistant, prismatic polycarbonate reflector accessory   |
| <b>Grounding</b>                     | Integral metal grounding frame delivers "hub-to-hub" grounding continuity  |
| <b>Light source</b>                  | INC - A21 medium base, 150W maximum<br>CFL - GX24q base, 26W or 32W<br>Lamps not included  |
| <b>Power source</b>                  | Integral ballast on fluorescent units  |
| <b>Ambient operating temperature</b> | 26W CFL: -23°C to +35°C<br>INC and 32W CFL: contact factory  |
| <b>Mounting</b>                      | Units have four 3/4 inch threaded hubs with liquid tight knockouts<br>Not approved for base down orientation<br>For ceiling mounting, use without wall mount component |

Contact factory for IES files

### Certifications

UL Listed to:

- UL 1598 Suitable for Wet Locations (all mounting types)
- UL 1598A Marine Outside Type (Saltwater)  
(reflector models not included)
- UL 844 Class I, Division 2 (except 32CFL models)  
(with heat treated globe only)  
Class 1, Zone 2 Group A, B, B+H2, C

ABS



Meets the requirements of the  
Buy American Act (BAA) and/or the  
American Recovery and Reinvestment Act (ARRA)



# Vaporproof Series

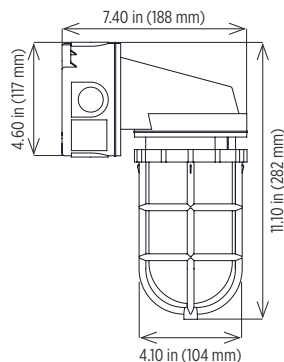
Vaporproof Fixture

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

## Dimensions

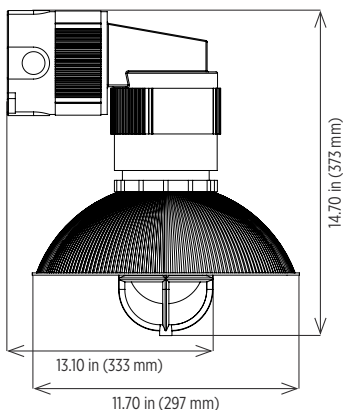
### Incandescent Model

Wall Mount



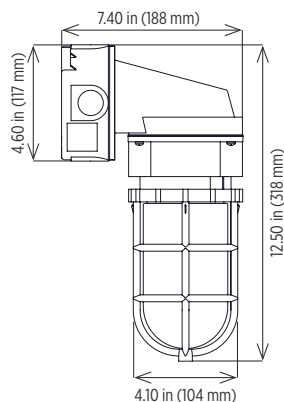
### Models with Polycarbonate Reflector

32W CFL Model with Reflector  
Wall Mount

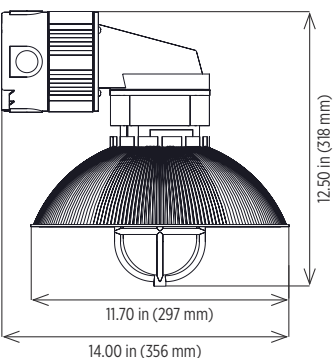


### 26W Compact Fluorescent Model

Wall Mount

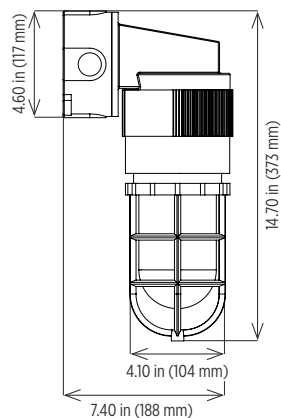


26W CFL Model with Reflector  
Wall Mount



### 32W Compact Fluorescent Model

Wall Mount



## Ordering Information

Example: VP-W-INC-120-GHC

| Fixture | Mount          | Wattage/Type   | Voltage    | Globes | Additional Finish Options <sup>5</sup> |
|---------|----------------|--|------------|--------|--|
| VP      | W <sup>1</sup> | INC <sup>2</sup><br>26CFL <sup>3</sup><br>32CFL <sup>3,4</sup> | 120<br>277 | GHC    | BLK<br>WHT                             |

### Mount

W<sup>1</sup> Wall

### Wattage/Type

INC<sup>2</sup> Incandescent (150W maximum)  
26CFL<sup>3</sup> 26W CFL (triple tube; 4-pin base)  
32CFL<sup>3,4</sup> 32W CFL (triple tube; 4-pin base)

### Voltage

120 120V, 60Hz  
277 277V, 60Hz

### Globes

GHC Clear heat treated glass (150W maximum)

### Additional Finish Options<sup>5</sup>

BLK Black  
WHT White

### Notes

- 1 Not approved for base down orientation. For ceiling mounting, use without wall mount component.
- 2 Screw-in, self-ballasted CFL lamps are not for use in incandescent fixtures
- 3 Electronic ballast standard
- 4 Not UL 844 Class I, Division 2 rated
- 5 Gray finish - standard

**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 (field installed)

### Fusing

FUSE INC Fuse kit incandescent and HID; includes fuse holder and 6 amp, 300V fuse  
FUSE FLRST Fuse kit fluorescent; includes fuse holder and 1 amp, 300V fuse

### Globes

GPC Clear prismatic glass (150W maximum) - for hazardous locations  
GCR Guard with clear reflector

*Fixtures with reflector are not Class I, Division 2 listed, nor recommended for outdoor marine use*  
*Fixtures with reflector are listed for Marine Inside Dripproof rating only*





# Vaporproof Series

Vaporproof Fixture

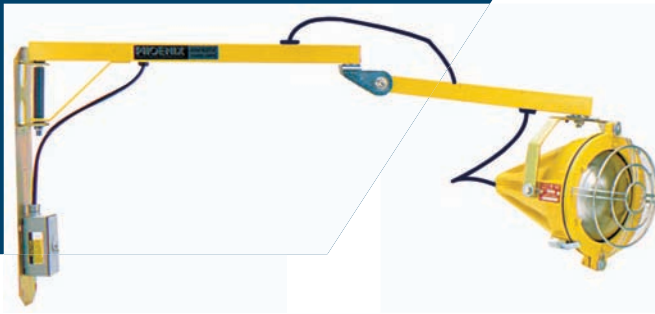
**PHOENIX**<sup>®</sup>  
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N56101810  
11.12.15



Wet location task light

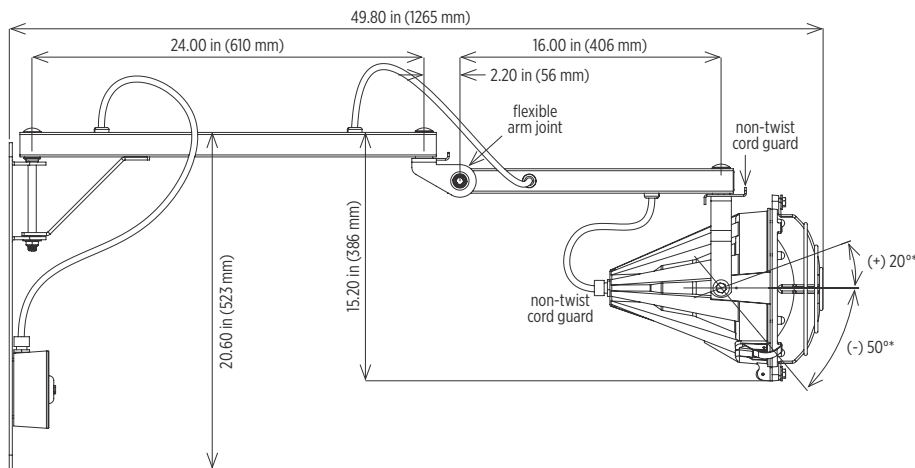
Copper-free, cast aluminum housing for corrosion resistance

Available with incandescent lamp head

Steel arm with wrist-action joint available in 42 or 60 inch lengths

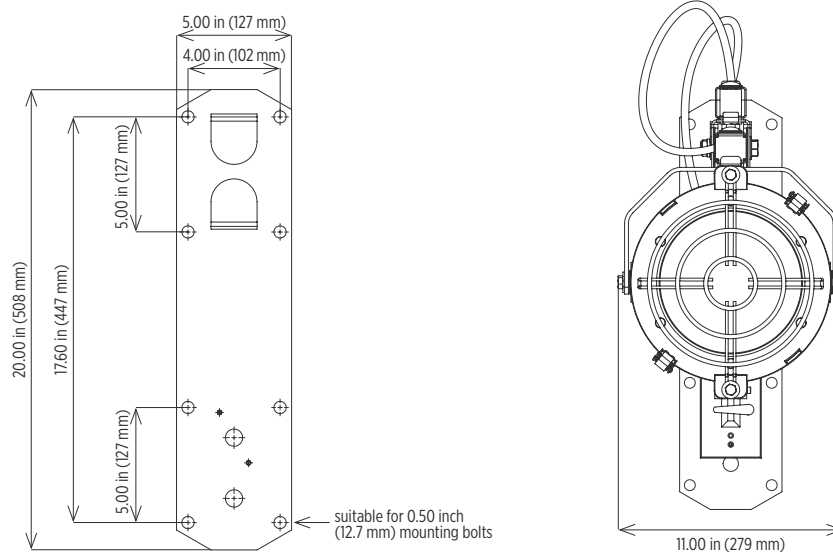
## Dimensions

### 42 inch arm



\*indicates maximum adjustment of light beam axis from horizontal

### Mounting Plate



Meets the requirements of the  
Buy American Act (BAA) and/or the  
American Recovery and Reinvestment Act (ARRA)



## Wet Location Task Light

## Specifications

|                                      |  |
|--------------------------------------|--|
| <b>Construction</b>                  | Copper-free, cast aluminum housing   |
| <b>Finish</b>                        | Yellow thermoset powder coat   |
| <b>Hardware</b>                      | Zinc plated steel  |
| <b>Arm</b>                           | 1.50 inch square steel tube with wrist-action joint<br>42.19 (42 inch arm) or 60.19 (60 inch arm) inch lengths |
| <b>Lens</b>                          | Tempered glass lens and wire guard   |
| <b>Light source</b>                  | Incandescent BR40 and PAR38 with medium screw base, up to 300W   |
| <b>Power source</b>                  | 120V, 60Hz   |
| <b>Wiring</b>                        | Three-conductor grounded cord from fixture to switch on wall bracket   |
| <b>Ambient operating temperature</b> | +5°C to +25°C  |
| <b>Mounting</b>                      | Zinc plated steel bracket<br>Easy retrofit with almost any existing DWT  |
| <b>Weight</b>                        | 42 inch: 30.0 lb (13.6 kg)<br>60 inch: 36.0 lb (16.3 kg)   |
| <b>Warranty</b>                      | 3 years  |

Contact factory for IES files

## Compliances

UL/cUL Listed to:

- UL 1598 Suitable for Wet Locations

CSA Certified Indoor/Outdoor

## Ordering Information

Example: DL-INC-DWT-42

| Fixture | Wattage/Type | Part | Length |
|---------|--------------|------|--------|
| DL      | INC          | DWT  | 42     |
|         |              |      | 60     |

## Wattage/Type

INC Incandescent (PAR38/BR40; 300W max)

## Length

42 42 inch arm

60 60 inch arm

**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.

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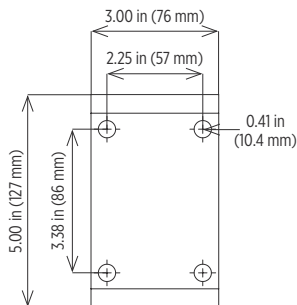




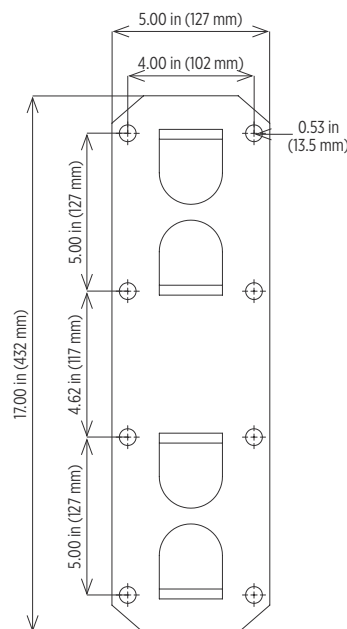
Built for longevity, stability and smooth operation  
Durable polymer design in safety yellow for maximum visibility  
Modular arms available in 24, 42 and 60 inch lengths

### Dimensions

Wall Mounting Plate for  
Single Strut Arms



Wall Mounting Plate for  
Double Strut Arms



### Compliances

UL/cUL Listed to:

- UL 153 Portable Work Lights  
Suitable for Dry Locations
- Indoor (cUL)

### Modular Head Specifications

|                     |   |
|---------------------|---|
| <b>Construction</b> | High temperature polymer housing                              |
| <b>Hardware</b>     | Zinc plated steel   |
| <b>Socket</b>       | Spring-loaded socket assembly                                 |
| <b>Light source</b> | Accommodates up to 250W PAR 38/BR40 lamp<br>Lamp not included |
| <b>Wiring</b>       | Recessed 3-prong IEC (C-14) type plug                         |
| <b>Mounting</b>     | Zinc plated harp  |
| <b>Warranty</b>     | 3 years   |

### Modular Arm Specifications

|                     |  |
|---------------------|--|
| <b>Construction</b> | 1.50 inch square steel tube arms with wrist-action, zinc plated steel joint on 42 and 60 inch single strut arms<br>Washers at all joints and bushings at bracket joints<br>24, 42 and 60 inch single strut arms - standard<br>42 and 60 inch double strut arms available                                     |
| <b>Finish</b>       | Safety yellow thermoset powder coat  |
| <b>Hardware</b>     | Zinc plated  |
| <b>Wiring</b>       | 120V only<br>Wear-resistant 3 conductor AC cord<br>Male plug on light head cord plugs in to female receptacle in arm<br>On-off rocker switch and IEC type receptacle   |
| <b>Mounting</b>     | 3/8 inch (5 mm) thick zinc plated steel mounting bracket<br>Mounting plate: 3 x 5 inch - single strut arms<br>5 x 17 inch - double strut arms<br>Recommended mounting height:<br>5 feet 10 inches (1.78 m) from the floor - single strut arms<br>6 feet 9 inches (2.06 m) from the floor - double strut arms |
| <b>Warranty</b>     | 3 years  |

Contact factory for IES files



Meets the requirements of the  
Buy American Act (BAA) and/or the  
American Recovery and Reinvestment Act (ARRA)



### Light Head



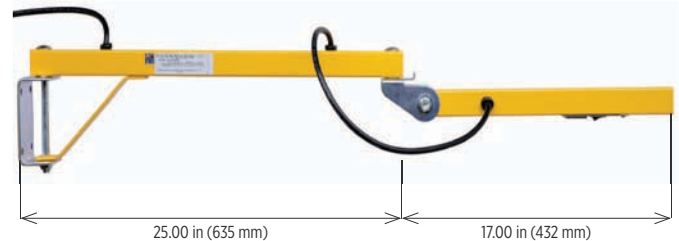
Includes a recessed 3-prong IEC (C-14) type plug which plugs directly into the receptacle of any single or double strut modular arm

### Single Strut Arms

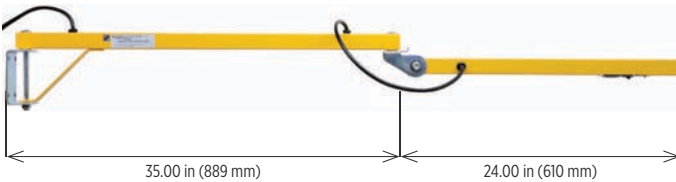
24 inch Arm Effective Reach



42 inch Arm Effective Reach

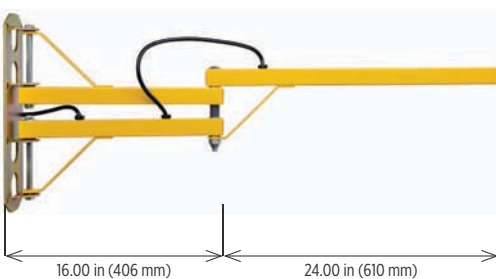


60 inch Arm Effective Reach

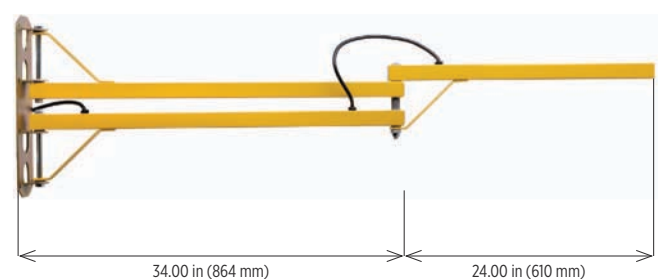


### Double Strut Arms

42 inch Arm Effective Reach



60 inch Arm Effective Reach



## Ordering Information

### Modular Head

Example: DL-INC-LH

| Fixture | Wattage/Type | Part |
|---------|--------------|------|
| DL      | INC          | LH   |

### Wattage/Type

INC Incandescent (PAR38/BR40)

### Modular Arm

Example: DL-24-ARM

| Series | Length          | Part | Options         |
|--------|-----------------|------|-----------------|
| DL     | 24 <sup>1</sup> | ARM  | DS <sup>2</sup> |
|        | 42 <sup>1</sup> |      |                 |
|        | 60 <sup>1</sup> |      |                 |

### Options

DS<sup>2</sup> Double strut arm

### Notes

- 1 120V standard. Please contact factory or see specification sheets for DLX docklite<sup>®</sup> or DWT docklite<sup>®</sup>.
- 2 Available in 42 and 60 inch lengths only. DL-FAN-18 requires 42 or 60 inch Double Strut Arm.

**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.

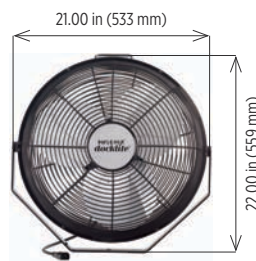
## Accessories (order separately)



**Wire Lamp Guard**  
WG-S (INC only)



**Polycarbonate Guard**  
PG-1



**Fan**  
DL-FAN-18



# Modular *docklite*

Head and Arms for Loading Dock Lighting

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

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**N5610208Q**  
10.20.15

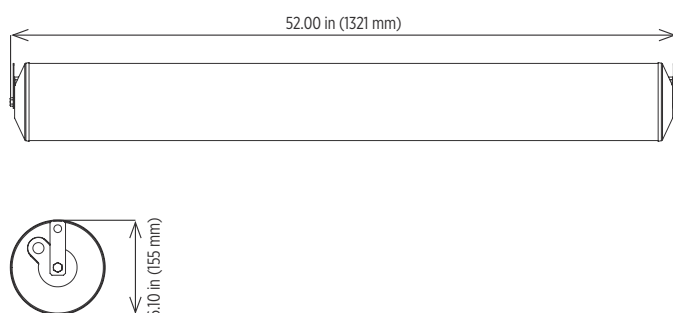


## Wet Location Fluorescent



Fluorescent linear fixture UL rated for wet locations  
Clear, UV-stable acrylic for retained clarity and seamless housing to prevent moisture intrusion  
For use in meat processing plants, dairy facilities and industrial hose down areas

### Dimensions



### Specifications

|                     |   |
|---------------------|---|
| <b>Construction</b> | Impact-resistant, UV-stabilized acrylic housing   |
| <b>Hardware</b>     | Stainless steel external hardware   |
| <b>Lens</b>         | Clear, acrylic lens   |
| <b>Light source</b> | Accepts two T5HO fluorescent lamps<br>54W<br>Lamps not included   |
| <b>Power source</b> | 120-277V<br>Electronic ballast  |
| <b>Wiring</b>       | 12.00 inch (305 mm) #16 AWG3 conductor cable without plug - standard  |
| <b>Mounting</b>     | Mounting accessories sold separately<br>Stainless steel fixed mounting kit (SSFK)<br>1 foot stainless steel chain mounting kit (SSCK-1)<br>2 foot stainless steel chain mounting kit (SSCK-2)<br>8 foot stainless steel chain mounting kit (SSCK-8) |
| <b>Weight</b>       | 21.0 lb (9.5 kg)  |
| <b>Warranty</b>     | 1 year  |

Contact factory for IES files

### Compliances

UL/cUL Listed to:

- UL 1598 Suitable for Wet Locations
- NEMA 4X



Meets the requirements of the  
Buy American Act (BAA) and/or the  
American Recovery and Reinvestment Act (ARRA)



### Ordering Information

Example: LFP-454

| Fixture | Length/Wattage |
|---------|----------------|
| LFP     | 454            |

#### Length/Wattage

454 F54 T5HO (mini bi-pin)

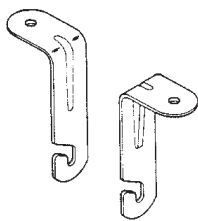
**Special Projects:** We may be able to accommodate your special projects, so please don't hesitate to ask about additional options. Minimum order quantities and/or extended lead times will apply. Contact your Phoenix representative with specific inquiries.

### Accessories (order separately for field installation)



#### Stainless Steel Chain Mounting Kit

1 foot (SSCK-1)  
2 foot (SSCK-2)  
8 foot (SSCK-8)



#### Stainless Steel Fixed Mounting Kit

SSFK

Product design and specifications are subject to change without notice. The most current version of this specification sheet can be found on our website: [www.phoenixlighting.com](http://www.phoenixlighting.com).

Standards & Certifications Cross Reference

| Hazardous Location Services (UL 844) |       |                 |       |       |       |                  |       |       |                  |       |           |   | ≥40° C Ambient | ABS | DesignLights® Consortium (DLC) |
|--------------------------------------|-------|-----------------|-------|-------|-------|------------------|-------|-------|------------------|-------|-----------|---|----------------|-----|--------------------------------|
| Class I, Div. 1                      |       | Class I, Div. 2 |       |       |       | Class II, Div. 1 |       |       | Class II, Div. 2 |       | Class III |   |                |     |                                |
| Grp C                                | Grp D | Grp A           | Grp B | Grp C | Grp D | Grp E            | Grp F | Grp G | Grp F            | Grp G |           |   |                |     |                                |
| Linear                               |       |                 |       |       |       |                  |       |       |                  |       |           |   |                |     |                                |
| HDL-LED Series                       |       |                 | ✓     | ✓     | ✓     | ✓                | P     | P     | P                | P     | P         | P | ✓              | ✓   |                                |
| LEDLT                                |       |                 |       |       |       |                  |       |       |                  |       |           |   |                | ✓   |                                |
| LFAR Series                          |       |                 | ✓     | ✓     | ✓     | ✓                |       |       |                  |       |           |   |                |     |                                |
| LFL Series                           |       |                 | ✓     | ✓     | ✓     | ✓                |       |       |                  |       |           |   | ✓              |     |                                |
| LFP                                  |       |                 |       |       |       |                  |       |       |                  |       |           |   |                |     |                                |
| LFSB Series                          |       |                 |       |       |       |                  |       |       |                  |       |           |   |                | ✓   |                                |
| LFSD Series                          |       |                 | ✓     | ✓     | ✓     | ✓                |       |       |                  |       |           |   |                | ✓   |                                |
| LFXB Series                          | ✓     | ✓               |       |       |       |                  | ✓     | ✓     | ✓                |       |           |   | ✓              |     |                                |
| LFXR Series                          | ✓     | ✓               | ✓     | ✓     | ✓     | ✓                | ✓     | ✓     | ✓                |       |           | ✓ | ✓              |     |                                |
| RDL                                  |       |                 |       |       |       |                  |       |       |                  |       |           |   |                | ✓   |                                |
| Berth Lights                         |       |                 |       |       |       |                  |       |       |                  |       |           |   |                |     |                                |
| IBM                                  |       |                 |       |       |       |                  |       |       |                  |       |           |   |                | ✓   |                                |
| LEDBM                                |       |                 |       |       |       |                  |       |       |                  |       |           |   |                | ✓   |                                |
| Area Lights                          |       |                 |       |       |       |                  |       |       |                  |       |           |   |                |     |                                |
| Cube-Light                           |       |                 |       |       |       |                  |       |       |                  |       |           |   | ✓              |     |                                |
| Conveyo™                             |       |                 | P     | P     | P     | P                |       |       |                  |       |           |   | P              |     |                                |
| Floodlights                          |       |                 |       |       |       |                  |       |       |                  |       |           |   |                |     |                                |
| ARIES                                |       |                 |       |       |       |                  |       |       |                  |       |           |   | ✓              | ✓   |                                |
| EcoMod® Series                       |       |                 |       |       |       |                  |       |       |                  |       |           |   | ✓              | ✓   | ✓                              |
| IC                                   |       |                 | ✓     | ✓     | ✓     | ✓                |       |       |                  |       |           |   | ✓              | ✓   |                                |
| MDF                                  |       |                 |       |       |       |                  |       |       |                  |       |           |   |                |     |                                |
| ModCom® Hi                           |       |                 | ✓     | ✓     | ✓     | ✓                |       |       |                  | ✓     | ✓         | ✓ | ✓              | ✓   | ✓                              |
| ModCom® Lo                           |       |                 | ✓     | ✓     | ✓     | ✓                |       |       |                  | ✓     | ✓         | ✓ | ✓              | ✓   | ✓                              |
| MRS 64/1000                          |       |                 |       |       |       |                  |       |       |                  |       |           |   |                | ✓   |                                |
| MRSE Series                          |       |                 | ✓     | ✓     | ✓     | ✓                |       |       |                  |       |           |   | ✓              | ✓   |                                |
| MSD Quad Volt                        |       |                 | ✓     | ✓     | ✓     | ✓                |       |       |                  |       |           |   | ✓              |     |                                |
| SLX LED                              | ✓     | ✓               | ✓     | ✓     | ✓     | ✓                |       | ✓     | ✓                | ✓     | ✓         | ✓ |                |     |                                |
| SLX                                  | ✓     | ✓               |       |       |       |                  |       | ✓     | ✓                | ✓     | ✓         | ✓ | ✓              |     |                                |
| SLXP LED                             | ✓     | ✓               | ✓     | ✓     | ✓     | ✓                |       | ✓     | ✓                | ✓     | ✓         | ✓ | ✓              |     |                                |
| SLXP                                 | ✓     | ✓               |       |       |       |                  |       | ✓     | ✓                | ✓     | ✓         | ✓ | ✓              |     |                                |
| SturdiLED®                           |       |                 |       |       |       |                  |       |       |                  |       |           |   | ✓              | ✓   | ✓                              |
| SturdiLite® E-DC Series              |       |                 |       |       |       |                  |       |       |                  |       |           |   |                |     |                                |
| WT                                   |       |                 |       |       |       |                  |       |       |                  |       |           |   |                |     |                                |
| WT Portable                          |       |                 |       |       |       |                  |       |       |                  |       |           |   |                |     |                                |
| 24-70                                |       |                 |       |       |       |                  |       |       |                  |       |           |   |                |     |                                |
| Searchlights                         |       |                 |       |       |       |                  |       |       |                  |       |           |   |                |     |                                |
| MRS 64/1000S                         |       |                 |       |       |       |                  |       |       |                  |       |           |   |                | ✓   |                                |
| MRS 64/1000SL                        |       |                 |       |       |       |                  |       |       |                  |       |           |   |                | ✓   |                                |
| Vaporproof                           |       |                 |       |       |       |                  |       |       |                  |       |           |   |                |     |                                |
| Metallic LED VP Series               |       |                 | ✓     | ✓     | ✓     | ✓                |       | ✓     | ✓                |       |           |   | ✓              |     |                                |
| Metallic LED VP Retrofit             |       |                 |       |       |       |                  |       |       |                  |       |           |   |                |     |                                |
| Vaporproof Series                    |       |                 | ✓     | ✓     | ✓     | ✓                |       |       |                  |       |           |   |                |     |                                |
| Remote Ballast                       |       |                 |       |       |       |                  |       |       |                  |       |           |   |                |     |                                |
| BLST                                 |       |                 | ✓     | ✓     | ✓     | ✓                |       |       |                  | ✓     | ✓         | ✓ | ✓              | ✓   |                                |
| Dock Lights                          |       |                 |       |       |       |                  |       |       |                  |       |           |   |                |     |                                |
| DLA LED <i>docklite</i> ®            |       |                 |       |       |       |                  |       |       |                  |       |           |   |                | ✓   |                                |
| Flex LED <i>docklite</i> ®           |       |                 |       |       |       |                  |       |       |                  |       |           |   |                |     |                                |
| Modular <i>docklite</i> ®            |       |                 |       |       |       |                  |       |       |                  |       |           |   |                |     |                                |
| DLAW LED <i>docklite</i> ®           |       |                 |       |       |       |                  |       |       |                  |       |           |   |                |     |                                |
| DLX LED <i>docklite</i> ®            | ✓     | ✓               | ✓     | ✓     | ✓     | ✓                |       | ✓     | ✓                | ✓     | ✓         | ✓ |                |     |                                |
| DLX <i>docklite</i> ®                | ✓     | ✓               |       |       |       |                  |       | ✓     | ✓                |       |           | ✓ | ✓              |     |                                |
| DWT <i>docklite</i> ®                |       |                 |       |       |       |                  |       |       |                  |       |           |   |                |     |                                |

✓ = At least one model in the fixture series meets the indicated standard. See specification sheet for details.    P = The certification or listing is currently pending for this product.

Standards & Certifications Cross Reference

| CE                         | Non-Hazardous Location Services |                     |                             |                    |                  |           |               |                |      |      |      |   |  |
|----------------------------|---------------------------------|---------------------|-----------------------------|--------------------|------------------|-----------|---------------|----------------|------|------|------|---|--|
|                            | UL 153                          | UL 1598A            |                             | UL 1598            |                  | UL 924    | CSA<br>or cUL | NEMA<br>Rating | IP67 | IP66 | IP65 | Meets US<br>Coast Guard<br>Requirements |  |
|                            |                                 | Marine              |                             | Ordinary Locations |                  | Emergency |               |                |      |      |      |   |  |
|                            |                                 | Inside<br>Dripproof | Outside Type<br>(Saltwater) | Wet<br>Location    | Damp<br>Location |           |               |                |      |      |      |   |  |
| Linear                     |                                 |                     |                             |                    |                  |           |               |                |      |      |      |   |  |
| HDL-LED Series             |                                 |                     | ✓                           | ✓                  |                  |           | ✓             |                | ✓    |      |      |   |  |
| LEDLT                      |                                 |                     | ✓                           | ✓                  |                  |           | ✓             |                |      | ✓    |      |   |  |
| LFAR Series                |                                 |                     | ✓                           |                    |                  | ✓         |               |                |      |      |      |   |  |
| LFL Series                 |                                 | ✓                   |                             | ✓                  |                  |           | ✓             |                |      |      |      | ✓                                       |  |
| LFP                        |                                 |                     | ✓                           | ✓                  |                  | ✓         | ✓             | 4X             |      |      |      |   |  |
| LFSB Series                |                                 | ✓                   | ✓                           | ✓                  |                  | ✓         | ✓             |                |      |      | ✓    | ✓                                       |  |
| LFSD Series                |                                 |                     | ✓                           | ✓                  |                  | ✓         | ✓             |                |      |      | ✓    | ✓                                       |  |
| LFXB Series                |                                 |                     | ✓                           |                    |                  | ✓         | ✓             | 4X             |      |      |      |   |  |
| LFXR Series                |                                 |                     | ✓                           |                    |                  |           | ✓             | 4X             |      |      |      |   |  |
| RDL                        |                                 | ✓                   |                             | ✓                  |                  |           | ✓             |                |      |      |      |   |  |
| Berth Lights               |                                 |                     |                             |                    |                  |           |               |                |      |      |      |   |  |
| IBM                        |                                 |                     | ✓                           |                    |                  | ✓         |               | ✓              |      |      |      | ✓                                       |  |
| LEDBM                      |                                 |                     | ✓                           |                    |                  |           |               | ✓              |      |      |      |   |  |
| Area Lights                |                                 |                     |                             |                    |                  |           |               |                |      |      |      |   |  |
| Cube-Light                 |                                 |                     |                             | ✓                  | ✓                |           |               | ✓              |      |      | ✓    |   |  |
| Conveyo™                   | P                               |                     |                             |                    | P                |           |               | P              |      |      |      | P                                       |  |
| Floodlights                |                                 |                     |                             |                    |                  |           |               |                |      |      |      |   |  |
| ARIES                      | ✓                               |                     |                             | ✓                  | ✓                |           |               | ✓              |      | ✓    |      |   |  |
| EcoMod® Series             | ✓                               |                     |                             | ✓                  | ✓                |           |               | ✓              |      |      | ✓    |   |  |
| IC                         |                                 |                     |                             | ✓                  | ✓                |           |               | ✓              |      |      |      | ✓                                       |  |
| MDF                        |                                 |                     |                             |                    |                  |           |               |                |      |      |      |   |  |
| ModCom® Hi                 | ✓                               |                     |                             | ✓                  | ✓                |           |               | ✓              |      | ✓    |      |   |  |
| ModCom® Lo                 | ✓                               |                     |                             | ✓                  | ✓                |           |               | ✓              |      | ✓    |      |   |  |
| MRS 64/1000                |                                 |                     |                             | ✓                  | ✓                |           |               | ✓              | 4X   |      |      | ✓                                       |  |
| MRSE Series                |                                 |                     |                             | ✓                  | ✓                |           |               | ✓              | 4X   |      |      | ✓                                       |  |
| MSD Quad Volt              |                                 |                     |                             | ✓                  | ✓                |           |               | ✓              | 4    |      |      | ✓                                       |  |
| SLX LED                    |                                 |                     |                             | ✓                  | ✓                |           |               | ✓              | 4    |      |      |   |  |
| SLX                        |                                 |                     |                             | ✓                  |                  |           |               | ✓              | 4    |      |      |   |  |
| SLXP LED                   |                                 |                     |                             | ✓                  | ✓                |           |               | ✓              | 4    |      |      |   |  |
| SLXP                       |                                 |                     |                             | ✓                  |                  |           |               | ✓              | 4    |      |      |   |  |
| SturdiLED®                 | ✓                               |                     |                             | ✓                  | ✓                |           |               | ✓              |      | ✓    |      |   |  |
| SturdiLite® E-DC Series    | P                               |                     |                             |                    |                  |           |               |                |      | ✓    |      |   |  |
| WT                         |                                 |                     |                             | ✓                  | ✓                |           |               | ✓              | 4X   |      |      |   |  |
| WT Portable                |                                 | ✓                   |                             |                    | ✓                |           |               | ✓              |      |      |      |   |  |
| 24-70                      |                                 |                     |                             |                    |                  |           |               |                |      |      |      |   |  |
| Searchlights               |                                 |                     |                             |                    |                  |           |               |                |      |      |      |   |  |
| MRS 64/1000S               |                                 |                     |                             | ✓                  | ✓                |           |               | ✓              | 4X   |      |      | ✓                                       |  |
| MRS 64/1000SL              |                                 |                     |                             | ✓                  |                  |           |               | ✓              | 4X   |      |      | ✓                                       |  |
| Vaporproof                 |                                 |                     |                             |                    |                  |           |               |                |      |      |      |   |  |
| Metallic LED VP Series     |                                 |                     |                             | ✓                  | ✓                |           |               | ✓              |      |      | ✓    |   |  |
| Metallic LED VP Retrofit   |                                 |                     |                             | ✓                  | ✓                |           |               |                |      |      | ✓    |   |  |
| Vaporproof Series          |                                 |                     |                             | ✓                  | ✓                |           |               | ✓              |      |      |      | ✓                                       |  |
| Remote Ballast             |                                 |                     |                             |                    |                  |           |               |                |      |      |      |   |  |
| BLST                       |                                 |                     |                             | ✓                  | ✓                |           |               | ✓              |      |      |      |   |  |
| Dock Lights                |                                 |                     |                             |                    |                  |           |               |                |      |      |      |   |  |
| DLA LED <i>docklite</i> ®  |                                 | ✓                   |                             |                    |                  |           |               | ✓              |      | ✓    |      |   |  |
| Flex LED <i>docklite</i> ® |                                 |                     |                             |                    | ✓                |           |               | ✓              |      |      |      |   |  |
| Modular <i>docklite</i> ®  |                                 | ✓                   |                             |                    |                  |           |               | ✓              |      |      |      |   |  |
| DLAW LED <i>docklite</i> ® |                                 | ✓                   |                             |                    |                  |           |               | ✓              |      |      |      |   |  |
| DLX LED <i>docklite</i> ®  |                                 |                     |                             | ✓                  | ✓                |           |               | ✓              | 4    |      |      |   |  |
| DLX <i>docklite</i> ®      |                                 |                     |                             | ✓                  |                  |           |               | ✓              |      |      |      |   |  |
| DWT <i>docklite</i> ®      |                                 |                     |                             |                    | ✓                |           |               | ✓              |      |      |      |   |  |

✓ = At least one model in the fixture series meets the indicated standard. See specification sheet for details.    P = The certification or listing is currently pending for this product.



## Standards & Certifications Cross Reference

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The Standards & Certifications Cross Reference is designed to help identify fixtures with specific certifications. The listings that are checked in the Cross Reference represent the highest level available for a particular fixture. For more information on any fixture, please refer to the specification sheet included in this binder.



# Standards & Certifications Cross Reference

|                            | Hazardous Location Services (UL 844) |       |                 |       |       |       |                  |       |       |                  |       |           | ≥40° C Ambient | ABS | DesignLights® Consortium (DLC) |
|----------------------------|--------------------------------------|-------|-----------------|-------|-------|-------|------------------|-------|-------|------------------|-------|-----------|----------------|-----|--------------------------------|
|                            | Class I, Div. 1                      |       | Class I, Div. 2 |       |       |       | Class II, Div. 1 |       |       | Class II, Div. 2 |       | Class III |                |     |                                |
|                            | Grp C                                | Grp D | Grp A           | Grp B | Grp C | Grp D | Grp E            | Grp F | Grp G | Grp F            | Grp G |           |                |     |                                |
| Linear                     |                                      |       |                 |       |       |       |                  |       |       |                  |       |           |                |     |                                |
| HDL-LED Series             |                                      |       | ✓               | ✓     | ✓     | ✓     | P                | P     | P     | P                | P     | P         | ✓              | ✓   |                                |
| LEDLT                      |                                      |       |                 |       |       |       |                  |       |       |                  |       |           |                | ✓   |                                |
| LFAR Series                |                                      |       | ✓               | ✓     | ✓     | ✓     |                  |       |       |                  |       |           |                |     |                                |
| LFL Series                 |                                      |       | ✓               | ✓     | ✓     | ✓     |                  |       |       |                  |       |           | ✓              |     |                                |
| LFP                        |                                      |       |                 |       |       |       |                  |       |       |                  |       |           |                |     |                                |
| LFSB Series                |                                      |       |                 |       |       |       |                  |       |       |                  |       |           |                | ✓   |                                |
| LFSD Series                |                                      |       | ✓               | ✓     | ✓     | ✓     |                  |       |       |                  |       |           |                | ✓   |                                |
| LFXB Series                | ✓                                    | ✓     |                 |       |       |       | ✓                | ✓     | ✓     |                  |       |           | ✓              |     |                                |
| LFXR Series                | ✓                                    | ✓     | ✓               | ✓     | ✓     | ✓     | ✓                | ✓     | ✓     |                  |       | ✓         | ✓              |     |                                |
| RDL                        |                                      |       |                 |       |       |       |                  |       |       |                  |       |           |                | ✓   |                                |
| Berth Lights               |                                      |       |                 |       |       |       |                  |       |       |                  |       |           |                |     |                                |
| IBM                        |                                      |       |                 |       |       |       |                  |       |       |                  |       |           |                | ✓   |                                |
| LEDBM                      |                                      |       |                 |       |       |       |                  |       |       |                  |       |           |                | ✓   |                                |
| Area Lights                |                                      |       |                 |       |       |       |                  |       |       |                  |       |           |                |     |                                |
| Cube-Light                 |                                      |       |                 |       |       |       |                  |       |       |                  |       |           | ✓              |     |                                |
| Conveyo™                   |                                      |       | P               | P     | P     | P     |                  |       |       |                  |       |           | P              |     |                                |
| Floodlights                |                                      |       |                 |       |       |       |                  |       |       |                  |       |           |                |     |                                |
| ARIES                      |                                      |       |                 |       |       |       |                  |       |       |                  |       |           | ✓              | ✓   |                                |
| EcoMod® Series             |                                      |       |                 |       |       |       |                  |       |       |                  |       |           | ✓              | ✓   | ✓                              |
| IC                         |                                      |       | ✓               | ✓     | ✓     | ✓     |                  |       |       |                  |       |           | ✓              | ✓   |                                |
| MDF                        |                                      |       |                 |       |       |       |                  |       |       |                  |       |           |                |     |                                |
| ModCom® Hi                 |                                      |       | ✓               | ✓     | ✓     | ✓     |                  |       |       | ✓                | ✓     | ✓         | ✓              | ✓   | ✓                              |
| ModCom® Lo                 |                                      |       | ✓               | ✓     | ✓     | ✓     |                  |       |       | ✓                | ✓     | ✓         | ✓              | ✓   | ✓                              |
| MRS 64/1000                |                                      |       |                 |       |       |       |                  |       |       |                  |       |           |                | ✓   |                                |
| MRSE Series                |                                      |       | ✓               | ✓     | ✓     | ✓     |                  |       |       |                  |       |           | ✓              | ✓   |                                |
| MSD Quad Volt              |                                      |       | ✓               | ✓     | ✓     | ✓     |                  |       |       |                  |       |           | ✓              |     |                                |
| SLX LED                    | ✓                                    | ✓     | ✓               | ✓     | ✓     | ✓     |                  | ✓     | ✓     | ✓                | ✓     | ✓         |                |     |                                |
| SLX                        | ✓                                    | ✓     |                 |       |       |       |                  | ✓     | ✓     | ✓                | ✓     | ✓         | ✓              |     |                                |
| SLXP LED                   | ✓                                    | ✓     | ✓               | ✓     | ✓     | ✓     |                  | ✓     | ✓     | ✓                | ✓     | ✓         |                |     |                                |
| SLXP                       | ✓                                    | ✓     |                 |       |       |       |                  | ✓     | ✓     | ✓                | ✓     | ✓         | ✓              |     |                                |
| SturdiLED®                 |                                      |       |                 |       |       |       |                  |       |       |                  |       |           | ✓              | ✓   | ✓                              |
| Sturdilite® E-DC Series    |                                      |       |                 |       |       |       |                  |       |       |                  |       |           |                |     |                                |
| WT                         |                                      |       |                 |       |       |       |                  |       |       |                  |       |           |                |     |                                |
| WT Portable                |                                      |       |                 |       |       |       |                  |       |       |                  |       |           |                |     |                                |
| 24-70                      |                                      |       |                 |       |       |       |                  |       |       |                  |       |           |                |     |                                |
| Searchlights               |                                      |       |                 |       |       |       |                  |       |       |                  |       |           |                |     |                                |
| MRS 64/1000S               |                                      |       |                 |       |       |       |                  |       |       |                  |       |           |                | ✓   |                                |
| MRS 64/1000SL              |                                      |       |                 |       |       |       |                  |       |       |                  |       |           |                | ✓   |                                |
| Vaporproof                 |                                      |       |                 |       |       |       |                  |       |       |                  |       |           |                |     |                                |
| Metallic LED VP Series     |                                      |       | ✓               | ✓     | ✓     | ✓     |                  | ✓     | ✓     |                  |       |           | ✓              |     |                                |
| Metallic LED VP Retrofit   |                                      |       |                 |       |       |       |                  |       |       |                  |       |           |                |     |                                |
| Vaporproof Series          |                                      |       | ✓               | ✓     | ✓     | ✓     |                  |       |       |                  |       |           |                |     |                                |
| Remote Ballast             |                                      |       |                 |       |       |       |                  |       |       |                  |       |           |                |     |                                |
| BLST                       |                                      |       | ✓               | ✓     | ✓     | ✓     |                  |       |       | ✓                | ✓     | ✓         | ✓              | ✓   |                                |
| Dock Lights                |                                      |       |                 |       |       |       |                  |       |       |                  |       |           |                |     |                                |
| DLA LED <i>docklite</i> ®  |                                      |       |                 |       |       |       |                  |       |       |                  |       |           |                | ✓   |                                |
| Flex LED <i>docklite</i> ® |                                      |       |                 |       |       |       |                  |       |       |                  |       |           |                |     |                                |
| Modular <i>docklite</i> ®  |                                      |       |                 |       |       |       |                  |       |       |                  |       |           |                |     |                                |
| DLAW LED <i>docklite</i> ® |                                      |       |                 |       |       |       |                  |       |       |                  |       |           |                |     |                                |
| DLX LED <i>docklite</i> ®  | ✓                                    | ✓     | ✓               | ✓     | ✓     | ✓     |                  | ✓     | ✓     | ✓                | ✓     | ✓         |                |     |                                |
| DLX <i>docklite</i> ®      | ✓                                    | ✓     |                 |       |       |       |                  | ✓     | ✓     |                  |       | ✓         | ✓              |     |                                |
| DWT <i>docklite</i> ®      |                                      |       |                 |       |       |       |                  |       |       |                  |       |           |                |     |                                |

✓ = At least one model in the fixture series meets the indicated standard. See specification sheet for details. P = The certification or listing is currently pending for this product.

# Standards & Certifications Cross Reference

| CE                         |   | Non-Hazardous Location Services |                     |                             |                    |                  |           |               |                |      |      |      |   |
|----------------------------|---|---------------------------------|---------------------|-----------------------------|--------------------|------------------|-----------|---------------|----------------|------|------|------|---|
|                            |   | UL 153                          | UL 1598A            |                             | UL 1598            |                  | UL 924    | CSA<br>or cUL | NEMA<br>Rating | IP67 | IP66 | IP65 | Meets US<br>Coast Guard<br>Requirements |
|                            |   |                                 | Marine              |                             | Ordinary Locations |                  | Emergency |               |                |      |      |      |   |
|                            |   |                                 | Inside<br>Dripproof | Outside Type<br>(Saltwater) | Wet<br>Location    | Damp<br>Location |           |               |                |      |      |      |   |
| Linear                     |   |                                 |                     |                             |                    |                  |           |               |                |      |      |      |   |
| HDL-LED Series             |   |                                 |                     | ✓                           | ✓                  |                  |           | ✓             |                | ✓    |      |      |   |
| LEDLT                      |   |                                 |                     | ✓                           | ✓                  |                  |           | ✓             |                |      | ✓    |      |   |
| LFAR Series                |   |                                 |                     | ✓                           |                    |                  | ✓         |               |                |      |      |      |   |
| LFL Series                 |   |                                 | ✓                   |                             | ✓                  |                  |           | ✓             |                |      |      |      | ✓                                       |
| LFP                        |   |                                 |                     | ✓                           | ✓                  |                  | ✓         | ✓             | 4X             |      |      |      |   |
| LFSB Series                |   |                                 | ✓                   | ✓                           | ✓                  |                  | ✓         | ✓             |                |      |      | ✓    | ✓                                       |
| LFSD Series                |   |                                 |                     | ✓                           | ✓                  |                  | ✓         | ✓             |                |      |      | ✓    | ✓                                       |
| LFXB Series                |   |                                 |                     | ✓                           |                    |                  | ✓         | ✓             | 4X             |      |      |      |   |
| LFXR Series                |   |                                 |                     | ✓                           |                    |                  |           | ✓             | 4X             |      |      |      |   |
| RDL                        |   |                                 | ✓                   |                             | ✓                  |                  |           | ✓             |                |      |      |      |   |
| Berth Lights               |   |                                 |                     |                             |                    |                  |           |               |                |      |      |      |   |
| IBM                        |   |                                 |                     | ✓                           |                    |                  | ✓         |               |                |      |      |      | ✓                                       |
| LEDBM                      |   |                                 |                     | ✓                           |                    |                  |           | ✓             |                |      |      |      |   |
| Area Lights                |   |                                 |                     |                             |                    |                  |           |               |                |      |      |      |   |
| Cube-Light                 |   |                                 |                     | ✓                           | ✓                  |                  |           | ✓             |                |      | ✓    |      |   |
| Conveyo™                   | P |                                 |                     |                             | P                  |                  |           | P             |                |      |      | P    |   |
| Floodlights                |   |                                 |                     |                             |                    |                  |           |               |                |      |      |      |   |
| ARIES                      | ✓ |                                 |                     | ✓                           | ✓                  |                  |           | ✓             |                | ✓    |      |      |   |
| EcoMod® Series             | ✓ |                                 |                     | ✓                           | ✓                  |                  |           | ✓             |                |      | ✓    |      |   |
| IC                         |   |                                 |                     | ✓                           | ✓                  |                  |           | ✓             |                |      |      | ✓    | ✓                                       |
| MDF                        |   |                                 |                     |                             |                    |                  |           |               |                |      |      |      |   |
| ModCom® Hi                 | ✓ |                                 |                     | ✓                           | ✓                  |                  |           | ✓             |                | ✓    |      |      |   |
| ModCom® Lo                 | ✓ |                                 |                     | ✓                           | ✓                  |                  |           | ✓             |                | ✓    |      |      |   |
| MRS 64/1000                |   |                                 |                     | ✓                           | ✓                  |                  |           | ✓             | 4X             |      |      |      | ✓                                       |
| MRSE Series                |   |                                 |                     | ✓                           | ✓                  |                  |           | ✓             | 4X             |      |      |      | ✓                                       |
| MSD Quad Volt              |   |                                 |                     | ✓                           | ✓                  |                  |           | ✓             | 4              |      |      |      | ✓                                       |
| SLX LED                    |   |                                 |                     | ✓                           | ✓                  |                  |           | ✓             | 4              |      |      |      |   |
| SLX                        |   |                                 |                     | ✓                           |                    |                  |           | ✓             | 4              |      |      |      |   |
| SLXP LED                   |   |                                 |                     | ✓                           | ✓                  |                  |           | ✓             | 4              |      |      |      |   |
| SLXP                       |   |                                 |                     | ✓                           |                    |                  |           | ✓             | 4              |      |      |      |   |
| SturdiLED®                 | ✓ |                                 |                     | ✓                           | ✓                  |                  |           | ✓             |                | ✓    |      |      |   |
| SturdiLite® E-DC Series    | P |                                 |                     |                             |                    |                  |           |               |                | ✓    |      |      |   |
| WT                         |   |                                 |                     | ✓                           | ✓                  |                  |           | ✓             | 4X             |      |      |      |   |
| WT Portable                |   |                                 | ✓                   |                             | ✓                  |                  |           | ✓             |                |      |      |      |   |
| 24-70                      |   |                                 |                     |                             |                    |                  |           |               |                |      |      |      |   |
| Searchlights               |   |                                 |                     |                             |                    |                  |           |               |                |      |      |      |   |
| MRS 64/1000S               |   |                                 |                     | ✓                           | ✓                  |                  |           | ✓             | 4X             |      |      |      | ✓                                       |
| MRS 64/1000SL              |   |                                 |                     | ✓                           |                    |                  |           | ✓             | 4X             |      |      |      | ✓                                       |
| Vaporproof                 |   |                                 |                     |                             |                    |                  |           |               |                |      |      |      |   |
| Metallic LED VP Series     |   |                                 |                     | ✓                           | ✓                  |                  |           | ✓             |                |      | ✓    |      |   |
| Metallic LED VP Retrofit   |   |                                 |                     | ✓                           | ✓                  |                  |           |               |                |      | ✓    |      |   |
| Vaporproof Series          |   |                                 |                     | ✓                           | ✓                  |                  |           | ✓             |                |      |      |      | ✓                                       |
| Remote Ballast             |   |                                 |                     |                             |                    |                  |           |               |                |      |      |      |   |
| BLST                       |   |                                 |                     | ✓                           | ✓                  |                  |           | ✓             |                |      |      |      |   |
| Dock Lights                |   |                                 |                     |                             |                    |                  |           |               |                |      |      |      |   |
| DLA LED <i>docklite</i> ®  |   | ✓                               |                     |                             |                    |                  |           | ✓             |                | ✓    |      |      |   |
| Flex LED <i>docklite</i> ® |   |                                 |                     |                             | ✓                  |                  |           | ✓             |                |      |      |      |   |
| Modular <i>docklite</i> ®  |   | ✓                               |                     |                             |                    |                  |           | ✓             |                |      |      |      |   |
| DLAW LED <i>docklite</i> ® |   | ✓                               |                     |                             |                    |                  |           | ✓             |                |      |      |      |   |
| DLX LED <i>docklite</i> ®  |   |                                 |                     | ✓                           | ✓                  |                  |           | ✓             | 4              |      |      |      |   |
| DLX <i>docklite</i> ®      |   |                                 |                     | ✓                           |                    |                  |           | ✓             |                |      |      |      |   |
| DWT <i>docklite</i> ®      |   |                                 |                     |                             | ✓                  |                  |           | ✓             |                |      |      |      |   |

✓ = At least one model in the fixture series meets the indicated standard. See specification sheet for details.

P = The certification or listing is currently pending for this product.



## Phoenix's expertise in lighting

continues to improve industrial and commercial environments all over the world. We demonstrate our “Durability by Design®” approach to lighting by providing exceptional light quality and rugged fixture designs for a multitude of applications. Because sustainability is on the rise and cost-consciousness is a must, customers take advantage of Phoenix's innovative LED options to increase lifespan, eliminate maintenance costs and significantly reduce power consumption.

## Our values

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### Collaboration

We are committed to the industries we serve and evolve with you as priorities shift and technology advances. The conversation is continuous, and we proudly lend our expertise whenever possible.

### Progress

Our exceptional engineering team and innovative manufacturing practices are widely recognized and ensure that only superior products reach the market.

### Craftsmanship

Our unwavering attention to detail ensures results that far exceed your expectations. We design, engineer and manufacture products that last.

### Authenticity

We stay true to the roots of Phoenix and respect the vision, ingenuity and hard work that have brought us to where we are today. We are committed to the future of our customers, employees and community.

### Durability by Design®

Every light. Every project. Every day. We are committed to durability. Our fixtures have been tested and proven in the most extreme conditions. We employ measures like potted drivers, conformal coating, stranded wires, high quality finishes and marine grade components to ensure that our fixtures thrive in their intended environments and last longer than the other market options.

# DXD



## General Application Floodlight



Heavy duty floodlight rated for hazardous and wet locations

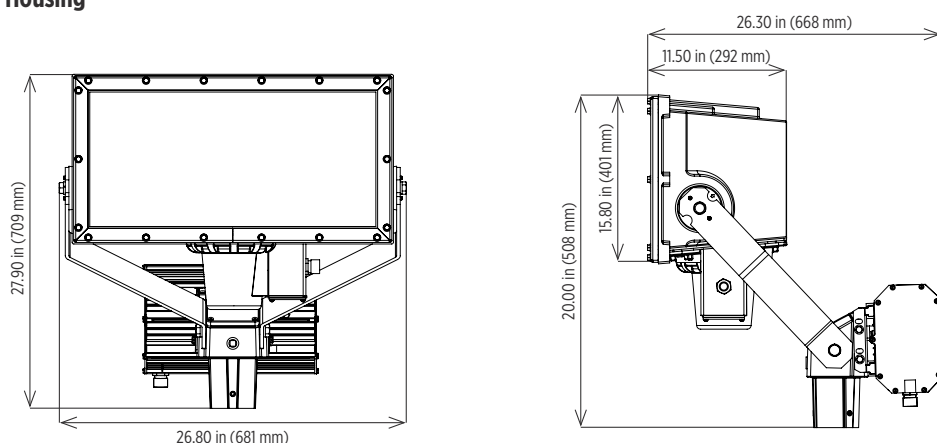
Durable construction with extreme corrosion resistance and aiming versatility

Available in high pressure sodium and metal halide models with optic and mounting options

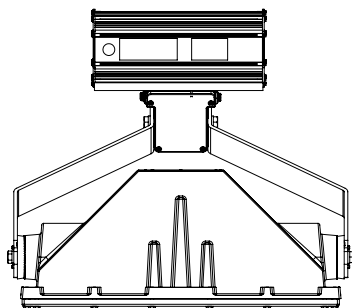
For use in construction sites, parking lots and other large areas that require superior light

## Dimensions

### Housing



### Ballast



**Ballast Dimensions**

| Length            | Width            | Height           |
|-------------------|------------------|------------------|
| 12.00 in (305 mm) | 5.60 in (142 mm) | 7.50 in (191 mm) |



Meets the requirements of the  
Buy American Act (BAA) and/or the  
American Recovery and Reinvestment Act (ARRA)





## General Application Floodlight

## Specifications

|                        |   |
|------------------------|---|
| <b>Construction</b>    | Marine grade, low-copper content aluminum<br>Die cast housing   |
| <b>Finish</b>          | Gray polyester powder coat  |
| <b>Hardware</b>        | Stainless steel hardware  |
| <b>Lens</b>            | 7/8 inch heavy duty tempered glass lens   |
| <b>Light source</b>    | HPS - E-25, 1000W<br>MH - BT-56, 1000W<br>Lamp not included   |
| <b>Power source</b>    | Quad volt (120/208/240/277V; 60 Hz) - standard<br>480 volt (480V; 60 Hz)  |
| <b>Aiming</b>          | Degree indicator and cast-in siting feature<br>Four distinct arm positions  |
| <b>Optics</b>          | Narrow and wide beam patterns   |
| <b>Socket</b>          | Gasketed socket assembly is pre-wired to ballast and removable for easy lamp access from below  |
| <b>Lamp stabilizer</b> | Support ring holds glass end of lamp firmly in place to protect against breakage or photometric misalignment due to vibration or impact                   |
| <b>Harp</b>            | 1/4 inch thick steel with polyester powder coat finish  |
| <b>Mounting</b>        | Die-cast, copper-free aluminum slipfitter with polyester powder coat finish serves as a splice box and ballast mount<br>Slipfits over 2 3/8 inch OD tenon |
| <b>Remote ballast</b>  | High power factor constant wattage autotransformer type ballast   |
| <b>Weight</b>          | Fixture: 90.0 lb (40.8 kg)  |
| <b>EPA</b>             | 3.0 sq ft (maximum)   |
| <b>Warranty</b>        | 1 year limited warranty   |

Contact factory for IES files

## Certifications

UL/cUL Listed to:

- UL 1598 Suitable for Wet Locations  
Suitable for mounting within four feet of ground
- UL 1598A Marine Outside Type (Saltwater)
- UL 844 Hazardous Location  
Class I, Division 2 Groups A, B, C, D  
(Suitable for wet locations)

ABS

IP65 rated

## T Rating (Maximum Surface Temperature)

| Fixture   | Maximum Internal Operating Temperature (°C) | T Rating |
|-----------|---|----------|
| IC1000MH  | 350°C                                       | T1       |
| IC1000HPS | 450°C                                       | T1       |

## Ordering Information

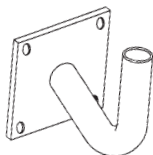
**Example:** IC-1000HPS-A-QV

| Fixture | Wattage/Type | Optic | Voltage |
|---------|--------------|-------|---------|
| IC      | 1000HPS      | A     | QV      |
|         | 1000MH       | B     | 480V    |

| Wattage/Type |                            | Optic |        | Voltage |                                   |
|--------------|----------------------------|-------|--------|---------|-----------------------------------|
| 1000HPS      | 1000W high pressure sodium | A     | Narrow | QV      | Quad Volt (120/208/240/277; 60Hz) |
| 1000MH       | 1000W metal halide         | B     | Wide   | 480V    | 480 Volts                         |

**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 (order separately)



### Wall Mount

WM

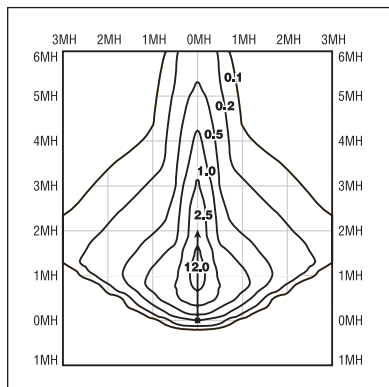
2¾ inch tenon, 8½ inch projection



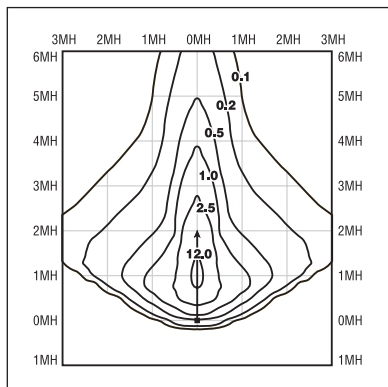
### Photometrics

Note: Fixtures aimed at 2X mounting height (40 feet)

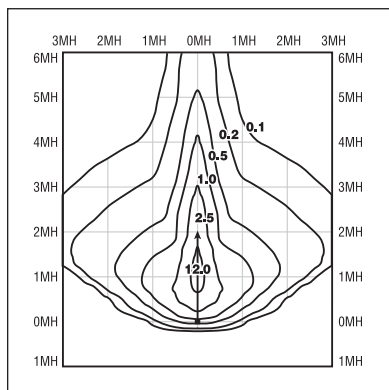
**IC1000MHA**



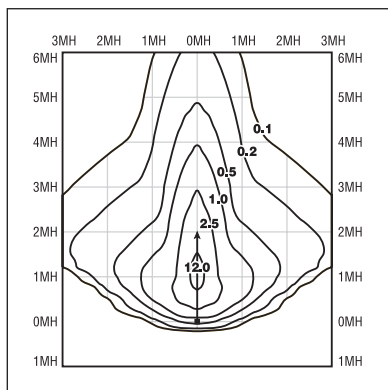
**IC1000MHB**



**IC1000HPSA**



**IC1000HPSB**



Product design and specifications are subject to change without notice. The most current version of this specification sheet can be found on our website: [www.phoenixlighting.com](http://www.phoenixlighting.com).



**PHOENIX®**  
DURABILITY X DESIGN™

## MRSE Series

### Heavy Duty Floodlight



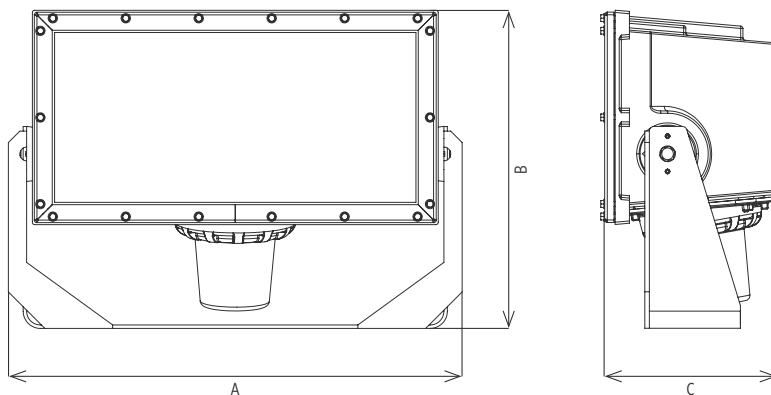
Heavy duty floodlight rated for hazardous and wet locations

Extreme shock and vibration resistance

Offers versatility with multiple wattage, lamping and optic options

For use on heavy duty equipment and in the world's harshest environments

### Dimensions



|               | 400W              | 1000W             |
|---------------|-------------------|-------------------|
| <b>A</b>      | 24.18 in (614 mm) | 26.60 in (676 mm) |
| <b>B</b>      | 17.50 in (445 mm) | 21.90 in (556 mm) |
| <b>C</b>      | 9.40 in (239 mm)  | 11.80 in (300 mm) |
| <b>Weight</b> | 48.0 lb (21.8 kg) | 64.0 lb (29.1 kg) |



# MRSE Series

## Heavy Duty Floodlight

### Specifications

|                                      |   |
|--------------------------------------|---|
| <b>Construction</b>                  | Marine grade, cast aluminum housing   |
| <b>Finish</b>                        | Phoenix Green thermoset powder coat   |
| <b>Hardware</b>                      | Marine grade external hardware  |
| <b>Lens</b>                          | Heat- and impact-resistant ½ inch thick heavy duty tempered glass   |
| <b>Light source</b>                  | High pressure sodium - E-18, 400W<br>High pressure sodium - E-25, 1000W<br>Pulse start metal halide - BT-37, 400W<br>Metal halide - BT-56, 1000W<br>Lamp not included |
| <b>Power source</b>                  | Shock- and vibration-resistant remote ballast available (BLST)<br><b>Required for complete installation (order separately)</b>  |
| <b>Optic</b>                         | Available in narrow and wide  |
| <b>Gasket</b>                        | High temperature silicone and EPDM gaskets  |
| <b>Socket</b>                        | Silicone and EPDM rubber lamp isolation socket<br>The multiplane socket float and lamp stabilizer absorb shock and vibration to extend lamp life                      |
| <b>Wiring</b>                        | Splice box is supplied with ½ inch NPT tapped hole  |
| <b>Ambient operating temperature</b> | -40°C to +40°C  |
| <b>Mounting</b>                      | Thermoset powder coated ¼ inch steel mounting bracket   |
| <b>Safety Cable</b>                  | Secures fixture to structure<br>Safety cable included   |
| <b>Warranty</b>                      | 1 year  |

### Compliances

UL Listed to:

- UL 1598 Ordinary Wet Locations
- UL 1598A Marine Outside Type (Saltwater)
- UL 844 Hazardous Location  
Class I, Division 2 Groups A, B, C, D  
Suitable for Wet Location

CSA Certified:

- Enclosure Type 4X (400W and 1000W only)

ABS

Meets Coast Guard Requirements



*Meets the requirements of the  
Buy American Act (BAA) and/or the  
American Recovery and Reinvestment Act (ARRA)*



## Ordering Information

Example: MRSE-400HPS-A

| Fixture | Wattage/Type | Optic |
|---------|--------------|-------|
| MRSE    | 400HPS       | A     |
|         | 400PSMH      | B     |
|         | 1000         |       |

### Wattage/Type

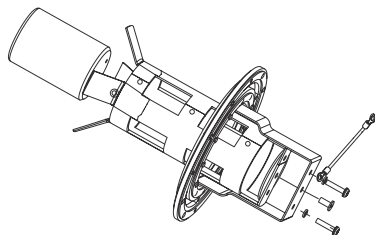
|         |  |
|---------|--|
| 400HPS  | 400W high pressure sodium                    |
| 400PSMH | 400W pulse start metal halide                |
| 1000    | 1000W (high pressure sodium or metal halide) |

### Optic

|   |        |
|---|--------|
| A | Narrow |
| B | Wide   |

**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



### Lamp Glove

BLS

Additional lamp support for severe shock and vibration applications  
(1000W only)



# MRSE Series

Heavy Duty Floodlight

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

*Cover photo: MRSE fixtures installed on an electric rope shovel*

Product design and specifications are subject to change without notice. The most current version of this specification sheet can be found on our website: [www.phoenixlighting.com](http://www.phoenixlighting.com).



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**N56104520**  
10.20.15





**PHOENIX®**  
DURABILITY X DESIGN™

## Metallic LED VP Series

### LED Vaporproof Fixture

US Patent No. D642,327, US8,348,476 B2 and D650,518

Aluminum and brass vaporproof fixtures UL rated for hazardous and wet locations

Durable design with an array of mounting and globe options

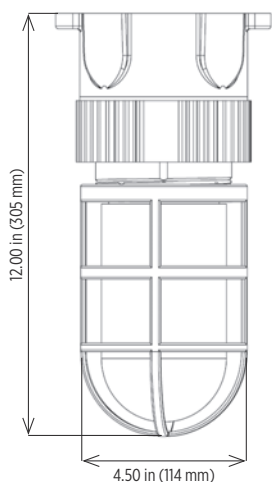
For use on marine vessels, mining equipment, tankers and other demanding applications

LED technology increases efficiency, eliminates maintenance and supports green initiatives

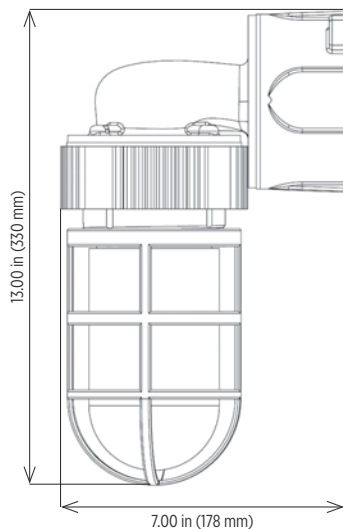


### Dimensions

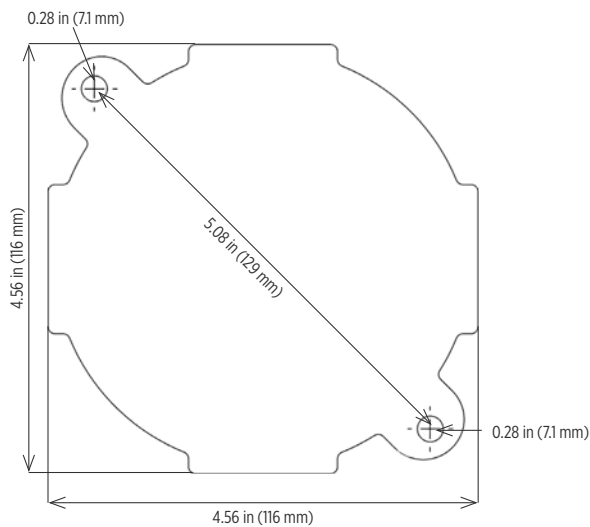
Ceiling Mount



Wall Mount



Mounting Dimensions





# Metallic LED VP Series

## LED Vaporproof Fixture

### Specifications

|                                      |   |
|--------------------------------------|---|
| <b>Construction</b>                  | Cast brass for the VB Series<br>Ultra-low copper content, marine grade aluminum for VA Series<br>Long-life silicone gaskets   |
| <b>Globe</b>                         | Frosted heat treated glass - standard on VA<br>Amber heat treated glass - standard on VB  |
| <b>Guard</b>                         | All fixtures come with a guard. Guards may be discarded if not needed.<br>Cast brass for the VB Series<br>Ultra-low copper content marine grade aluminum for the VA Series          |
| <b>Hardware</b>                      | Marine grade (316) stainless steel external hardware  |
| <b>Grounding</b>                     | Junction boxes include hardware to ground the fixture   |
| <b>Light source</b>                  | Bridgelux LED array<br>17W, 1336 lumens<br>Sealed in optically clear silicone<br>Cool white - 5600K<br>Warm white - 3000K (VA only)<br>50,000 hour rated life                       |
| <b>Power source</b>                  | 100-277V AC, 50-60Hz<br>Class 2 rated driver standard on all units<br>Over-voltage, over-current, short-circuit protection with auto recovery<br>Fully potted<br>Dimming capability |
| <b>Ambient operating temperature</b> | -30°C to +40°C  |
| <b>Ambient storage temperature</b>   | -40°C to +40°C  |
| <b>Mounting</b>                      | Wall (bulkhead) mount<br>Ceiling mount  |
| <b>Outlets</b>                       | One ½ inch NPT outlet for power connection  |
| <b>Weight</b>                        | VAC: 5.0 lb (2.3 kg)<br>VAW: 6.0 lb (2.7 kg)<br>VBC: 10.0 lb (4.5 kg)<br>VBW: 13.0 lb (5.9 kg)<br>Add approximately 1.0 lb to each for shipping weight                              |
| <b>Warranty</b>                      | 5 years   |

### Compliances

UL/cUL Certified to:

- UL 1598 Suitable for Wet Locations
- UL 1598A Marine Outside Type (Saltwater)
- UL 844 Hazardous Location  
Class I, Division 2 Groups A, B, C, D  
Class I, Zone 2  
T3A, 180°C maximum surface temperature  
Class II, Division 2 Groups F, G  
T4A, 120°C maximum surface temperature
- CSA C22.2 No. 137-1981
- CSA C22.2 No. 250.0-08

IP66 rated

ABS

Contact factory for IES files



Meets the requirements of the  
Buy American Act (BAA) and/or the  
American Recovery and Reinvestment Act (ARRA)



## Ordering Information

Example: VA-W-17LED-CW-FGC

| Fixture | Mount | Wattage/Type | Color Temperature | Globe <sup>2</sup> |
|---------|-------|--------------|-------------------|--------------------|
| VA      | W     | 17LED        | CW                | FGC <sup>3</sup>   |
| VB      | C     |              | WW <sup>1</sup>   | GHA <sup>4</sup>   |

| Fixture     | Mount           | Wattage/Type | Color Temperature                            |
|-------------|-----------------|--------------|--|
| VA Aluminum | W Wall mount    | 17LED 17W    | CW Cool white - 5600K                        |
| VB Brass    | C Ceiling mount |              | WW <sup>1</sup> Warm white - 3000K (VA only) |

### Globe<sup>2</sup>

FGC<sup>3</sup> Frosted heat treated glass - standard on VA

GHA<sup>4</sup> Amber heat treated glass - standard on VB

### Notes

- 1 Warm white (WW) available on VA only
- 2 Color variations may occur depending on the color temperature of the LED
- 3 Frosted heat treated glass (FGC) available on VA only. For other globe options, see accessories below.
- 4 Amber heat treated glass (GHA) available on VB only. For other globe options, see accessories below.

**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 (order separately)

### Globes

|     |  |
|-----|--|
| FGC | Frosted heat treated glass                               |
| GHA | Amber heat treated glass                                 |
| GHB | Blue heat treated glass                                  |
| GHC | Clear heat treated glass                                 |
| GHG | Green heat treated glass                                 |
| GHO | Opal heat treated glass                                  |
| GHR | Red heat treated glass                                   |
| GPC | Clear prismatic glass                                    |
| PPA | Amber polycarbonate prismatic - to be used without guard |
| PPC | Clear polycarbonate prismatic - to be used without guard |
| PPR | Red polycarbonate prismatic - to be used without guard   |



# Metallic LED VP Series

LED Vaporproof Fixture

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

*Cover photo: Brass fixture shown on a shovel at a mine site in the US*

Product design and specifications are subject to change without notice. The most current version of this specification sheet can be found on our website: [www.phoenixlighting.com](http://www.phoenixlighting.com).



Phoenix Products Company Inc. 8711 West Port Avenue Milwaukee, WI 53224 USA  
Phone: +1 414.973.3300 Toll Free: 800.438.1214 Fax: +1 414.973.3210 [www.phoenixlighting.com](http://www.phoenixlighting.com)

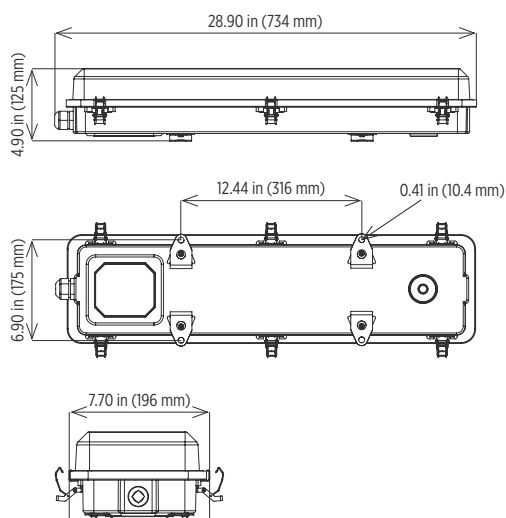
**N5610650K**  
11.03.15



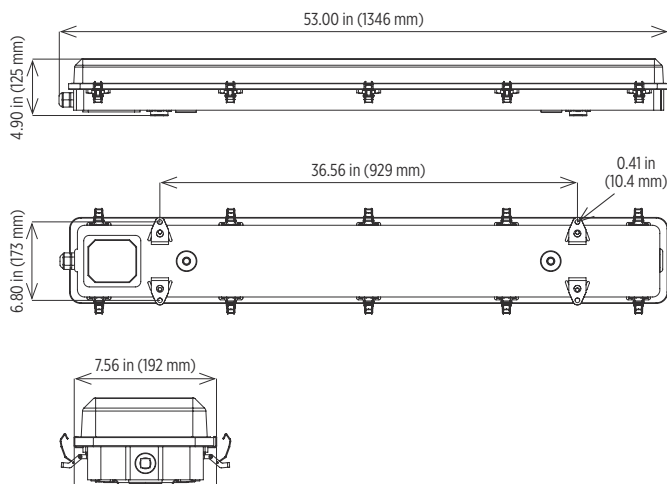
Linear fluorescent fixture rated for wet locations and ABS certified  
Marine grade components for superior corrosion resistance  
Vibration-resistant, spring-loaded lamp holders for demanding applications  
Available in two and four foot lengths

### Dimensions

#### 2 foot



#### 4 foot



### Specifications

|                     |  |
|---------------------|--|
| <b>Construction</b> | Corrosion-resistant, impact-resistant, UV-stabilized nylon housing<br>Thermoset high reflectance, white polyester powder coated reflector                                |
| <b>Hardware</b>     | Stainless steel external hardware  |
| <b>Lamp holders</b> | Vibration-resistant, spring-loaded lamp holders  |
| <b>Lens</b>         | High-impact polycarbonate matte finish diffuser  |
| <b>Light source</b> | 17W or 32W fluorescent lamps<br>Lamps not included   |
| <b>Power source</b> | 120-277V, 50/60Hz (UNIV)<br>Low temperature ballast - standard   |
| <b>Wiring</b>       | ¾ inch NPT threaded conduit openings on both ends<br>Threaded plug and cable gland provided<br>Through wiring - standard (max two lamp 40W)<br>Terminal block - standard |
| <b>EMB</b>          | 120/277V, 60Hz   |
| <b>Mounting</b>     | Stainless steel mounting feet  |
| <b>Weight</b>       | 2 foot (packaged) - 8.7 lb (3.9 kg)<br>4 foot (packaged) - 13.4 lb (6.1 kg)  |
| <b>Warranty</b>     | 1 year   |

Contact factory for IES files

### Compliances

UL/cUL Listed to:

- UL 1598 Suitable for Wet Locations
- UL 1598A Marine Inside Type Dripproof
- UL 1598A Marine Outside Type (Saltwater)
- UL 924 Emergency Lighting Equipment

ABS

IP65 rated



# LFSB Series

Marine Rated Snaplight

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

## Ordering Information

Example: LFSB-2-17-UNIV

| Fixture | Lamps               | Wattage/Type | Voltage | Options |
|---------|---------------------|--------------|---------|---------|
| LFSB    | 2<br>3 <sup>1</sup> | 17<br>32     | UNIV    | EMB     |

| Lamps                  | Wattage/Type                       | Voltage                | Options                      |
|------------------------|------------------------------------|------------------------|------------------------------|
| 2 2 lamps              | 17 F17 T-8 (medium bi-pin, 2 foot) | UNIV 120-277V; 50/60Hz | EMB Emergency battery backup |
| 3 <sup>1</sup> 3 lamps | 32 F32 T-8 (medium bi-pin, 4 foot) |                        |                              |

### Notes

- 1 Only available on 17W model

**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.

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Linear fluorescent fixture rated for hazardous and wet locations

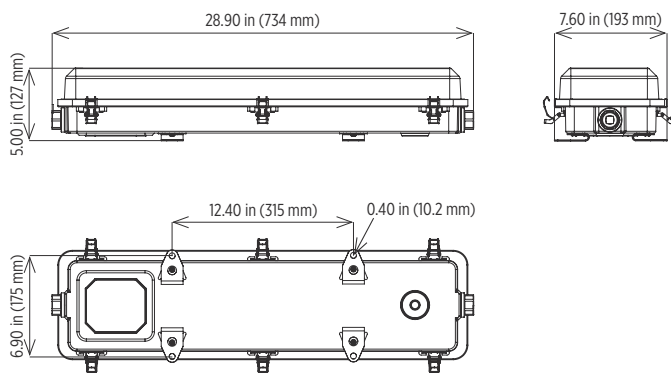
Marine grade components for superior corrosion resistance

Vibration-resistant, spring-loaded lamp holders for demanding applications

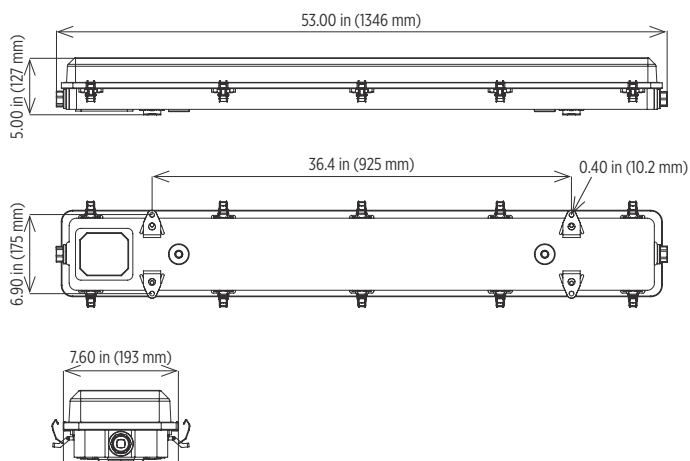
Available in two and four foot lengths with two or three lamps

### Dimensions

#### 2 foot



#### 4 foot



### Specifications

|                     |   |
|---------------------|---|
| <b>Construction</b> | Corrosion-free, high-impact, glass-reinforced, UV-stabilized nylon housing<br>Thermoset high reflectance, white polyester powder-coated reflector                 |
| <b>Hardware</b>     | Non-magnetic captive stainless steel  |
| <b>Lamp holders</b> | Vibration-resistant, spring-loaded lamp holders   |
| <b>Lens</b>         | High-impact polycarbonate matte finish diffuser   |
| <b>Light source</b> | 17W, 32W and 54W fluorescent models available<br>Lamps not included   |
| <b>Power source</b> | 120-277V, 50/60Hz<br>Class P, Type H ballast<br>Low temperature   |
| <b>Wiring</b>       | Terminal block - included<br>Additional circuit through wiring (max two lamp 32W) - standard<br>¾ inch NPT conduit opening on each end - 1 threaded plug provided |
| <b>EMB</b>          | 90 minute run with 1 lamp at a reduced light output   |
| <b>Mounting</b>     | Heavy duty, shock-resistant stainless steel mounting feet   |
| <b>Weight</b>       | 2 foot - 8.7 lb (3.9 kg)<br>4 foot - 13.4 lb (6.1 kg)   |
| <b>Warranty</b>     | 1 year  |

Contact factory for IES files

### Compliances

UL/cUL Listed to:

- UL 1598 Wet Location
- UL 1598A Marine Inside Type Dripproof
- UL 844 Hazardous Location
  - Class I, Division 2 Groups A, B, C & D
  - Class I, Zone 2 Groups IIA, IIB, IIB+H<sub>2</sub> & IIC
- UL 924 Emergency Lighting Equipment

ABS





# LFSD Series

Hazardous Location Fluorescent

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

## Ordering Information

Example: LFSD-2-17-UNIV

| Fixture | Lamps          | Wattage         | Voltage | Options          |
|---------|----------------|-----------------|---------|------------------|
| LFSD    | 2              | 17 <sup>1</sup> | UNIV    | EMB <sup>2</sup> |
|         | 3 <sup>3</sup> | 32              |         |                  |
|         |                | 54 <sup>1</sup> |         |                  |

| Lamps          |             | Wattage         |                                 | Voltage |                   | Options                                   |
|----------------|-------------|-----------------|---------------------------------|---------|-------------------|---|
| 2              | Two lamps   | 17 <sup>1</sup> | F17 T-8 (med bi-pin, 2 foot)    | UNIV    | 120-277V; 50/60Hz | EMB <sup>2</sup> Emergency battery backup |
| 3 <sup>3</sup> | Three lamps | 32              | F32 T-8 (med bi-pin, 4 foot)    |         |                   |   |
|                |             | 54 <sup>1</sup> | F54 T-5HO (mini bi-pin, 4 foot) |         |                   |   |

### Notes

- 1 Only available with two lamps
- 2 EMB option not available on 54W model
- 3 Only available on 32W model

**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.

## Temperature Codes

| Maximum Temperature |              |                           |
|---------------------|--------------|---------------------------|
| Model               | Ambient (C°) | Code (Operating Temp. C°) |
| 17W LFSD            | 40           | T5 (100)                  |
| 32W LFSD            | 40           | T5 (100)                  |
| 54W LFSD            | 25           | T3C (160)                 |

## Accessories (field installation)

| Color Lamp Sleeves* | Length (feet) | Lamp Type |
|---------------------|---------------|-----------|
| red                 | 2             | F17 T-8   |
| red                 | 4             | N/A       |
| green               | 2             | F17 T-8   |
| green               | 4             | N/A       |
| blue                | 2             | F17 T-8   |
| blue                | 4             | N/A       |
| amber               | 2             | F17 T-8   |
| amber               | 4             | F32 T-8   |

\* Contact factory—minimum order quantities and/or extended lead times may apply.

Product design and specifications are subject to change without notice. The most current version of this specification sheet can be found on our website: [www.phoenixlighting.com](http://www.phoenixlighting.com).

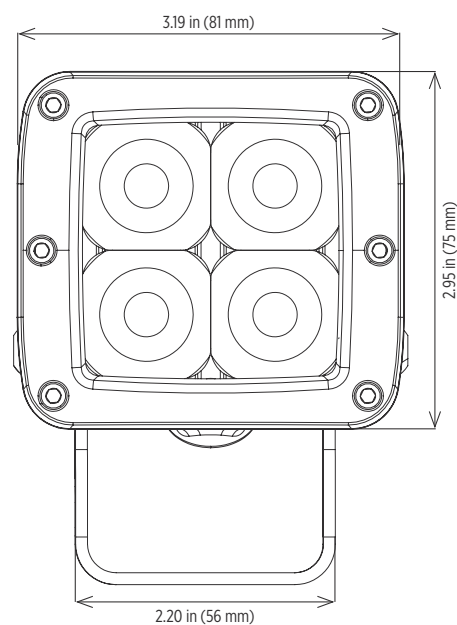
## Low-voltage LED Floodlight



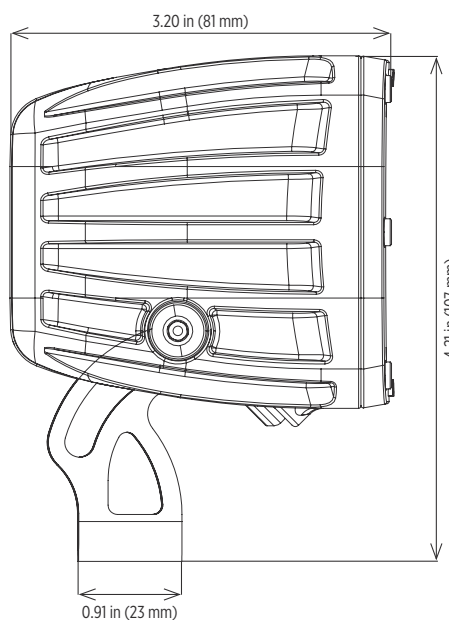
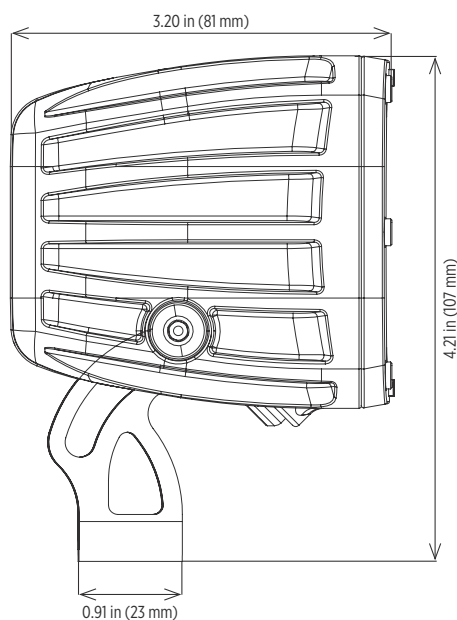
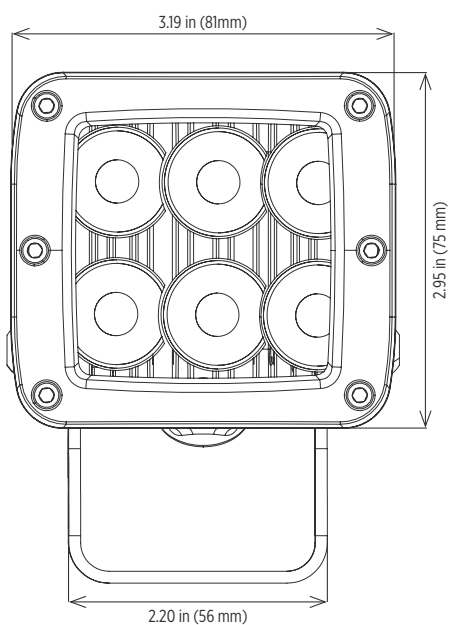
Low-voltage LED floodlight delivering up to 2600 lumens  
Extreme shock and vibration resistance for the harshest environments  
Durable, compact design with various optic, lens and output options  
LED technology increases efficiency, eliminates maintenance and supports green initiatives

### Dimensions

#### 15W



#### 28W



## Low-voltage LED Floodlight

## Specifications

|                                      |   |
|--------------------------------------|---|
| <b>Construction</b>                  | Cast aluminum housing   |
| <b>Finish</b>                        | Black powder coat finish  |
| <b>Hardware</b>                      | Marine grade (316) stainless steel  |
| <b>Lens</b>                          | Impact-resistant polycarbonate lens<br>15W - diffuse flood (60°) lens (DIF)<br>28W - flood (30°) or spot (8°/20°; oblong reflector) with clear lens |
| <b>Light source</b>                  | Cree light emitting diodes (LEDs)<br>15W, 1300 lumens (15LED)<br>28W, up to 2600 lumens (28LED)<br>50,000 hour rated life                           |
| <b>Power source</b>                  | 10-50V DC<br>Fully potted<br>Over/under voltage protection, reverse voltage protection and temperature sensing circuitry                            |
| <b>Wiring</b>                        | Standard output plug provided<br>2 foot wiring harness provided   |
| <b>Ambient operating temperature</b> | -40°C to +60°C<br>Light output regulated in high ambient temperature environments to protect the life of the LEDs                                   |
| <b>Mounting</b>                      | Mounting harp allows for 90° rotation<br>Single bolt mount  |
| <b>Weight</b>                        | 15W - 1.3 lb (0.6 kg)<br>28W - 1.3 lb (0.6 kg)  |
| <b>Warranty</b>                      | 1 year  |

Contact factory for IES files

## Ordering Information

Example: MDF-15LED-DIF

| Fixture | Wattage/Type | Optic            |
|---------|--------------|------------------|
| MDF     | 15LED        | FL <sup>1</sup>  |
|         | 28LED        | SP <sup>1</sup>  |
|         |              | DIF <sup>2</sup> |

| Wattage/Type |     | Optic            |                           |
|--------------|-----|------------------|---------------------------|
| 15LED        | 15W | FL <sup>1</sup>  | Flood (30°) clear lens    |
| 28LED        | 28W | SP <sup>1</sup>  | Spot (8°/ 20°) clear lens |
|              |     | DIF <sup>2</sup> | Diffuse flood (60°) lens  |

## Notes

- Only available on 28W model
- Only available on 15W model

**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.

## Compliances

IP68 rated

Product design and specifications are subject to change without notice. The most current version of this specification sheet can be found on our website: [www.phoenixlighting.com](http://www.phoenixlighting.com).



**PHOENIX®**  
DURABILITY X DESIGN™

## LEDLT

### LED Tube Light



Designed to replace select linear fluorescent fixtures

For use on walkways, heavy equipment, railcars, and other marine and industrial applications

Slim, lightweight design offered with various mounting options

LED technology increases efficiency, eliminates maintenance and supports green initiatives

### Dimensions

LEDLT-28



### Specifications

|                                      |   |
|--------------------------------------|---|
| <b>Construction</b>                  | Impact-resistant polycarbonate housing and end caps<br>Extruded aluminum internal mounting plate  |
| <b>Hardware</b>                      | Marine grade (304) stainless steel  |
| <b>Light source</b>                  | Cree ML-E light emitting diodes (LEDs)<br>17W, 1250 lumens<br>Conformal coated circuit board<br>CRI > 80<br>CCT 5300K<br>50,000 hour rated life |
| <b>Power source</b>                  | 120-277V, 50/60Hz - standard<br>Fully potted<br>10-30V DC option available  |
| <b>Power factor</b>                  | > 0.95  |
| <b>Wiring</b>                        | 1.50 m cord - standard<br>Two 1.50 m cords (120-277V); one on each end of fixture (2C)  |
| <b>Ambient operating temperature</b> | -20°C to +35°C  |
| <b>Mounting</b>                      | Single fixture surface mount (MB-LEDLT)<br>Hook mount (HKMT-LEDLT)<br>Rail mount (RLMT-LEDLT)<br>Two fixture surface mount (SFMT-LEDLT)         |
| <b>Weight</b>                        | Fixture - 3.0 lb (1.3 kg)<br>Packaged - 4.1 lb (1.8 kg)   |
| <b>Optical film</b>                  | Diffuse optical film  |
| <b>Warranty</b>                      | 5 years   |

### Compliances

ETL/cETL Certified to:

- UL 1598 Suitable for Wet Locations
- UL 1598A Marine Outside Type (Saltwater)
- CSA C22.2 No. 250.0

ABS

IP66 rated

LM79 and LM80 reports available

Contact factory for IES files



## Ordering Information

Example: LEDLT-28

| Fixture | Length | Options               |
|---------|--------|-----------------------|
| LEDLT   | 28     | 2C<br>DC <sup>1</sup> |

### Length

28 28 inch fixture - 17W, 1250 lumens

### Options

2C Two 1.50 m cords (120-277V); one on each end of fixture (pigtail)  
DC<sup>1</sup> 10-30V DC

### Notes

1 Not ETL listed

**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.

## Mounting (required for complete installation - order separately)



**Single Fixture Surface Mount**  
MB-LEDLT  
(set of 2)



**Hook Mount**  
HKMT-LEDLT



**Rail Mount**  
RLMT-LEDLT  
(set of 2)



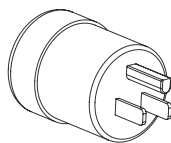
**Two Fixture Surface Mount**  
SFMT-LEDLT  
(set of 2)

Contact factory for additional mounting options  
All mounting accessories consist of marine grade stainless steel

## Accessories (order separately)



**Gear Wrench**  
GW-LEDLT



**NEMA 5-15 plug** (120V only)  
PLG-515

**EMB Kit**  
EMB-LEDLT





# LEDLT

LED Tube Light

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

*Cover photo: LEDLT fixtures mounted in a grain facility loading area*

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