

Our next-generation high mast fixture serving the ports and aviation markets

A purposefully designed high mast downlight with performance exceeding 130K lumens and > 140 lm/w system efficacy

Fixture will typically mount to a horizontal arm and offer flexible optical patterns, field adjustable optical control, glare shielding, and high-voltage surge protection

### Key Applications

Large area high mast  
Roadway high mast  
Shipyards high mast  
Container yard high mast  
Aviation ramps and aprons  
Prison large areas  
Military bases  
Industrial facilities

### Compliances

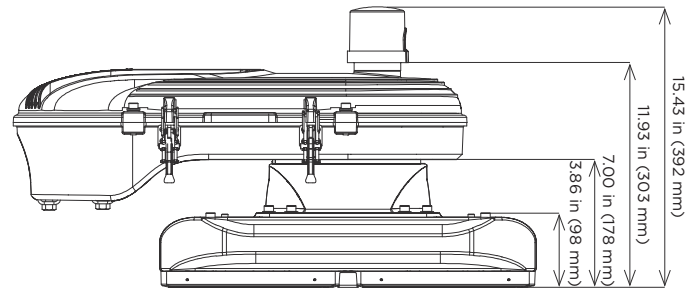
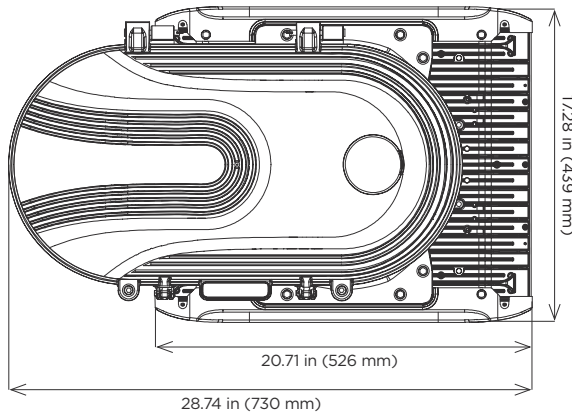
UL/cUL Certified to:  
• UL 1598 Suitable for Wet Locations  
CE  
IP66  
ROHS

### Specifications

|                               |  |
|-------------------------------|--|
| Construction                  | High-strength, marine grade die-cast aluminum  |
| Finish                        | Weather-resistant powder coat  |
| Hardware                      | Marine grade stainless steel   |
| Light source                  | 960W, up to 130,000 lumens<br>CCT: Super cool white (5700K), cool white (5000K), neutral white (4000K) |
| Lens                          | UV-resistant, polycarbonate lens<br>Field rotatable optics (0 - 350° rotation)                         |
| Power source                  | 120 - 277V or 277 - 480V, 50/60 Hz   |
| Power factor                  | > 0.9 at 277V  |
| THD                           | < 15%  |
| Ambient operating temperature | -30°C to +50°C   |
| Mounting                      | +/- 5° tilt, fits mast arm 1.65 - 2.375 inch (42 - 60 mm OD)   |
| Operating lifetime            | L80 > 100,000 hours per TM-21  |
| EPA (wind load)               | 1.69 sq. ft (.15 m2)   |
| Fixture weight                | 960W model - 69 lb (31.5 kg)   |
| Dimensions                    | 28.7 in (730 mm) x 17.3 in (439 mm) x 11 in (283 mm)   |
| Vibration                     | ANSI C136.31 3G  |
| Salt Spray                    | 1000 hrs per ASTM B117   |
| Warranty                      | 5 years  |

For IES files, see website or contact factory

## Dimensions



## Ordering Information

**Example:** SOA-960W-D-LX-277-480-40K

| Series | Wattage | Dimming        | Optic           | Voltage              | CCT              |
|--------|---------|----------------|-----------------|----------------------|------------------|
| SOA    | 960W    | D <sup>2</sup> | LV              | 120-277              | 40K <sup>1</sup> |
|        |         |                | LX <sup>1</sup> | 277-480 <sup>1</sup> | 50K              |
|        |         |                |                 |                      | 57K              |

### Wattage

960 Up to 960W and 130,000 lumens

### Dimming

D<sup>2</sup> Dimmable

### Optic

LV Type IV

LX<sup>1</sup> Type V

### Voltage

120-277 120-277V, 50/60Hz

277-480<sup>1</sup> 277-480V, 50/60Hz

### CCT

40K<sup>1</sup> 4000K

50K 5000K

57K 5700K

## Notes

- 1 Indicates standard option for fast delivery
- 2 Comes standard with 7-pin twistlock receptacle and shorting cap

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

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