

PHOENIX PRODUCTS CO., INC.

MRSE Series Heavy-Duty Floodlight



A hazardous-rated, heavy-duty floodlight suitable for the harshest marine environments. Designed to absorb shock and vibrations, and manufactured with all marine-grade components.

Configured to accept all High Pressure Sodium, Metal Halide or Mercury Vapor lamps from 250W - 1000W. Unique lamp isolation system consisting of lamp stabilizer and multiplane "free-floating" lamp diaphragm assembly assures complete lamp isolation for extended lamp life. Copper-free cast aluminum housing with thermoset polyester powder-coat finish. Reinforced mounting bracket. Gasketed socket assembly is removable for easy access to lamp. Silicone gasket and aluminum lens frame seal the optical assembly. Stainless Steel exterior hardware. Optical systems include very narrow, narrow, wide, or very wide bat wing beam patterns.

Marine and Hazardous Location rated, shock and vibration-resistant ballast available. Ballasts are ordered separately.

| | | |
|----------------|---------|--------|
| Fixture Weight | 250/400 | 1000 |
| | 48 lbs | 64 lbs |

Meets UL standard 1598-A (Marine Fixture Outside Type – Saltwater).

Meets UL Standard 844 for Hazardous Location, Class 1 Div. 2. "T-Rating" – T1.

| Ballast to be ordered separately | | | |
|----------------------------------|---------|---|---------------|
| Remote Ballast Description | Wattage | Dimensions | Weight (60hz) |
| High Pressure Sodium | 250 | ALL 12" Long x 7.5" Wide x 5.6" Deep | 22.5 lbs |
| | 400 | | 25.0 lbs |
| | 1000 | | 39.5 lbs |
| Metal Halide | 250 | | 21.5 lbs |
| | 400 | | 23.0 lbs |
| | 1000 | | 32.5 lbs |
| Mercury Vapor | 400 | 22.0 lbs | |
| | 1000 | 36.5 lbs | |

| Description | Wattage | Lamp Type | Photometric Data (NEMA Rating/Max Candlepower) | | | |
|----------------------|---------|-----------|--|------------|---------------|-------------|
| | | | A (narrow) | B (wide) | C (v. narrow) | D (v. wide) |
| High Pressure Sodium | 250 | ED-18 | 3x5/47,905 | 6x5/25,041 | 1x4/82,578 | 6x5/14,106 |
| | 400 | ED-18 | 3x5/83,222 | 6x5/42,229 | 1x5/138,824 | 6x5/22,504 |
| | 1000 | E-25 | 6x5/128,669 | 6x6/90,094 | 1x5/481,469 | 6x5/156,989 |
| Metal Halide | 250 | ED-28 | 3x5/29,287 | 6x5/23,757 | 2x5/49,939 | 7x5/9,393 |
| | 400 | ED-37 | 3x5/45,832 | 6x5/37,138 | 2x5/78,151 | 6x5/11,476 |
| | 1000 | BT-56 | 6x5/115,182 | 6x6/77,788 | 1x5/264,862 | 6x5/19,642 |
| Mercury Vapor | 400 | E-37 | 2x5/38,645 | 4x5/20,074 | 1x5/60,704 | 7x5/6,063 |
| | 1000 | BT-56 | 6x6/48,470 | 6x6/34,367 | 1x5/141,584 | 6x6/22,489 |



MSD250MH shown

Heavy Duty Floodlights

Low Wattage Floodlight

Wiring: NPSI tapped hole for 1/2" conduit.

Dimensions: 6-9/10" (17.5 cm) W, 9-3/4" (24.8 cm) H, 11-3/5" (29.4 cm) D.

Weight: 10.5 - 12.2 lbs. (4.8 - 5.5 kg).

Compliances: UL listed; CSA Certified.

1598-A Marine Outside Type, U.S. Coast Guard Accepted, 1572 Outside Wet Location Type

Heavy Duty Floodlight

Wiring: 1/2" NPSI tapped hole provided for connections with Class 1 Division 2 methods defined in the NEC.

Dimensions: 6-9/10" (17.5 cm) W, 14-1/2" (36.8 cm) H, 14-2/3" (37.0 cm) D

Weight: 25 - 33 lbs. (11.2 - 15 kg).

Compliances: UL listed; CSA Certified.

844 Hazardous Location (Class 1 Division 2; Groups ABCD), 1598-A Marine Outside Type, U.S. Coast Guard Accepted, 1572 Outside Wet location Type



Low Wattage Floodlights: accept medium screw base metal halide or high pressure sodium lamps.

Heavy Duty Floodlights: accept ED-18 HPS and ED-18 mogul screw base metal halide lamps.

Heavy Duty Floodlights Feature:

- Integral ballast
- Thermoset, powder-coated finish
- Copper-free aluminum housing
- UL 1598-A listed
- 60 Hz, 120V (unless otherwise noted)

MODEL NUMBER

| Low Wattage Floodlights | |
|-------------------------|----------------|
| MSD70MH | MSD50HPS |
| | MSD70HPS |
| | MSD100HPS |
| | MSD150HPS |
| Heavy Duty Floodlights | |
| MSD250MH-480V | MSD200HPS-480V |
| MSD250MH-QV | MSD200HPS-QV |
| MSD400MH-347V | MSD250HPS-480V |
| MSD400MH-480V | MSD250HPS-QV |
| MSD400MH-QV | MSD400-347V |
| | MSD400HPS-480V |
| | MSD400HPS-QV |

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