# **COOPER LIGHTING - LUMARK®**



The Lumark Warrior offers a variety of lamp and mounting options in high pressure sodium and metal halide, and can be installed, lamped and serviced with the most basic tools. U.L. listed and labeled for wet locations. CSA certified. The Warrior is the ideal floodlight for many area outdoor lighting situations, including parking lots, construction and storage sites, rail yards, light industrial locations, marinas and service areas.

Catalog #	Туре
	_
Project	
Comments	Date
Prepared by	

# SPECIFICATION FEATURES

### Construction

RETAINING SCREWS: Corrosionresistant captive retaining screws. HOUSING: Weather-resistant, diecast aluminum housing with integral door hinges is finished in dark bronze polyester powder coat. HOUSING DOOR: Watertight diecast aluminum housing door is finished in dark bronze polyester powder coat. Cast ridge for water tight seal against gasketing. GASKET: Full circumference, hightemperature foam-in-place silicone gasketing seals out external contaminants.

## Electrical

SOCKET: Mogul-base porcelain socket, except 100W Metal Halide and below has medium-base. BALLAST: High power factor ballast with class H insulation. Minimum starting temperature is -40°C (-40° F) for HPS and -30°C (-20°F) for MH and MP. Medium base socket for MH 150W and lower.

# Optical

REFLECTOR: Specular aluminum reflector delivers sharp beam cutoff, LENS: Clear tempered-glass lens is heatand impact-resistant.

# Mounting

Variable mountings of either 3/16" galvanized steel trunnion (shown below) or integral die-cast aluminum slipfitter (shown in photo to right). Slipfitter fits 2 3/8" -3" O.D. tenon. Heavy-duty steel yoke provides flexibility in mounting and aiming from a variety of surfaces.

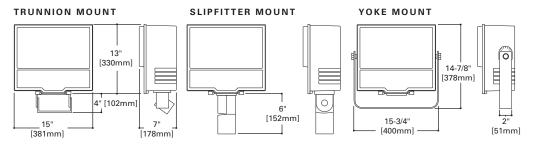


# WARRIOR

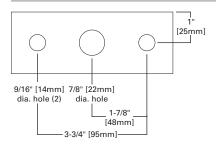
100 - 400W **Pulse Start Metal Halide** Metal Halide **High Pressure Sodium** 

SLIPFITTER-, TRUNNION-OR YOKE-MOUNTED FLOODLIGHT

# **DIMENSIONS**



# TRUNNION YOKE MOUNT DRILL PATTERN



LAMP TYPE	WATTAGE
Pulse Start Metal Halide (MP)	100, 150, 200, 250, 320, 350, 400W
Metal Halide (MH)	175, 250, 400, 250/400W
High Pressure Sodium (HP)	100, 150, 250, 400W



# TECHNICAL DATA

U.I. Wet Location Listed CSA Certified

25°C Maximum Ambient Temperature External Supply Wiring 90°C Minimum Internal Supply Wiring 150°C Minimum EISA Compliant ®

# **ENERGY DATA**

**High Reactance Ballast Input Watts** 100W HPS NPF (130 Watts)

100W MP NPF (128 Watts) 150W HPS HPF (190 Watts) 150W MP HPF (185 Watts)

CWI Ballast Input Watts 250W HPS HPF (300 Watts)

**CWA Ballast Input Watts** 

200W MP HPF (227 Watts) ® 250W MP HPF (283 Watts) ® 320W MP HPF (365 Watts) © 350W MP HPF (400 Watts) ©

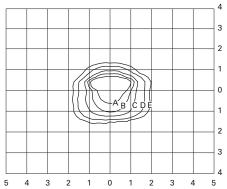
400W HPS HPF (465 Watts) 400W MP HPF (452 Watts) ®

Effective Projected Area: 1.3 @ 45°

SHIPPING DATA Approximate Net Weight: 35 lbs. (16 kgs.)



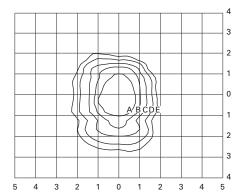
# **PHOTOMETRICS**



# MPWR-65S-250

250-Watt MP

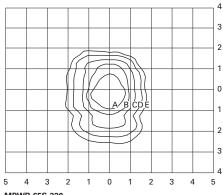
22,000-Lumen Clear Lamp



# MPWR-65S-400

400-Watt MP

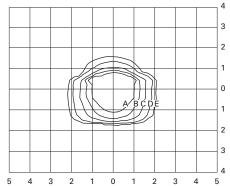
42,000 - Lumen Clear Lamp



# MPWR-65S-320

320-Watt MP

30,000-Lumen Clear Lamp



# HPWR-65S-400

400-Watt HP

50,000-Lumen Clear Lamp

Footcandle Table
Select mounting height and read across for footcandle values of each isofootcandle line. Distance in units of mounting height.

Mounting	Footcandle Values for					
Height	Isofootcandle Lines					
	Α	В	С	D	E	
20'	4.50	2.25	1.13	0.56	0.23	
25'	2.88	1.44	0.72	0.36	0.14	
30'	2.00	1.00	0.50	0.20	0.10	

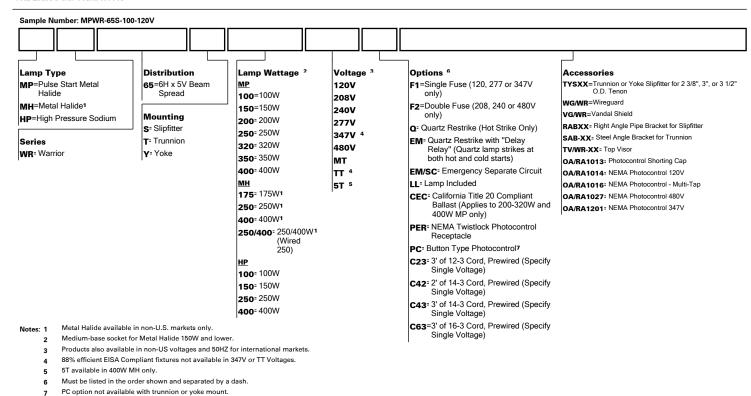
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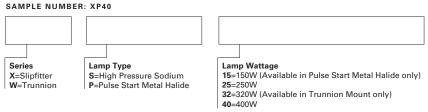


# ORDERING INFORMATION



VOLTAGE CHART	
MT=Multi-Tap	120/208/240/277V (wired 277V)
TT=Triple-Tap	120/277/347V (wired 347V)
5T=5-Tap	120/208/240/277/480V (wired 480V)

# STOCK SAMPLE NUMBER (LAMP INCLUDED)



# NOTES:

Options not available with stock products. Order Accessories as separate items for field installation. Refer to standard ordering information to add options and accessories. 320W available in MP only. Refer to In-Stock Guide for availability.



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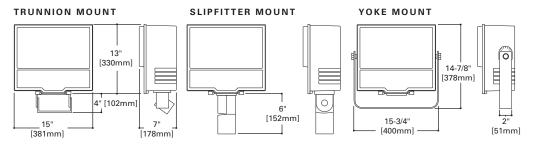


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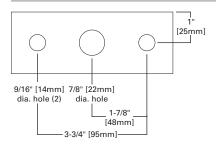
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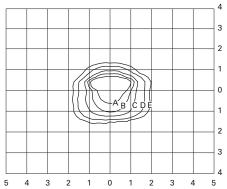
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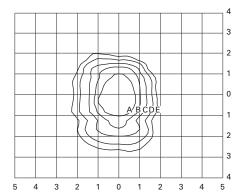
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# MPWR-65S-250

250-Watt MP

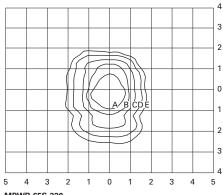
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400-Watt MP

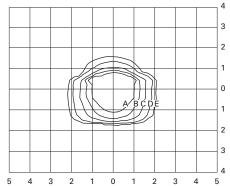
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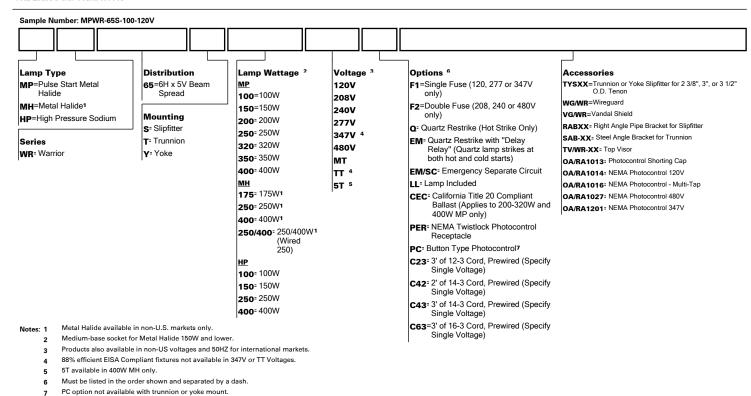
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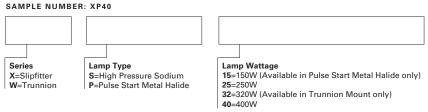


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