

# Mercmaster™ III HID 50–250 Watt Luminaires

## High Pressure Sodium and Pulse Start Metal Halide

Listed for simultaneous exposure to combustible dusts and flammable gases or vapors.

**NEC/CEC:**

Class I, Division 2, Groups A, B, C, D  
 Class I, Zone 2, AEx nA nR IIC (Z2)  
 Class I, Zone 2, AEx nR IIC (ZB)  
 Class II, Division 1 and 2, Groups E, F, G  
 Class III

**NEC/CEC:**

Simultaneous Exposure (Class I, Division 2/  
 Class II, Division 1)  
 Fixtures Outside Type (Salt Water)  
 Type 4X  
 IP66

Order using catalog numbering guide below or select catalog number from tables on following pages.

**Catalog Numbering Guide**

<p><b>KP</b></p> <p>Series:                  KP -                  Mercmaster III                  250</p>	<p><b>A</b></p> <p>Mounting:                  A - Pendant (rigid mounting)                  C - Ceiling                  CH - Pendant Cone Hood                  F - Pendant (flexible mounting)                  ST - 90° Stanchion                  S - 25° Stanchion                  WB - Wall</p>	<p><b>L</b></p> <p>Lamp Type:                  L - High Pressure Sodium                  H or P - Pulse Start Metal Halide ①</p>	<p><b>70</b></p> <p>Wattage:                  10 - 100 W HPS, PSMH                  15 - 150 W HPS, PSMH                  17 - 175 W PSMH                  20 - 200 W PSMH                  25 - 250 W PSMH ④                  50 - 50 W HPS (MT - Voltage Only)                  70 - 70 W HPS, PSMH</p>	<p><b>10</b></p> <p>Hub Size:                  75 - 3/4" NPT                  10 - 1" NPT                  125 - 1-1/4" NPT stanchion                  150 - 1-1/2" NPT stanchion</p>	<p><b>J5</b></p> <p>Optical Assembly:                  Blank - Glass Globe                  J1 - NEMA I Glass Refractor                  J3 - NEMA III Glass Refractor                  J5 - NEMA V Glass Refractor                  G3 - Large Glass Globe</p>	<p><b>G</b></p> <p>Guard Options:                  G - Guard                  Blank - No Guard</p>	<p><b>MT</b></p> <p>Voltage: ②                  MT - 120/208/240/277, 60 Hz                  5MT - 120/208/240/277/480, 60 Hz                  48 - 480, 60 Hz                  125 - 120, 50 Hz                  225 - 220, 50 Hz                  226 - 220, 60 Hz                  235 - 230, 50 Hz                  245 - 240, 50 Hz</p>	<p><b>R</b></p> <p>Options:                  E - Emergency Quartz                  F - Fuse Kit (Specify Voltage)                  R - Hot Restrike (50-150 W HPS only)                  S - Smart Starter                  K - Kynar Coating                  H1 - Photocontrol 120 V                  H2 - Photocontrol 208 V                  H3 - Photocontrol 240 V                  H4 - Photocontrol 277 V                  C - Safety Cable Adapted                  E40 - Export Socket                  T - Terminal Blocks</p> <p>Optional Fusing ③                  FN - 120 V                  FP - 208 V                  FS - 240 V                  FT - 277 V                  FF - 480 V</p>	<p><b>Z2</b></p> <p>Suffix:                  Z2 - Zone 2 suffix (required for AEx nA nR rating)                  ZB - Zone 2 suffix (required for AEx nR rating)</p>
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Reflectors are ordered separately – see Accessories page.

① H - Lamp type is for 70W and 100W fixtures only.

P - Lamp type is for 175W, 200W and 250W fixtures only.

② Voltages shown are limited to specific combinations.

③ Optional fusing is available for use with MT, 5MT and 48 voltage suffixes ONLY.

④ PSMH 250 W, MT fixtures are not UL Listed.



HID/AREA: NEC/CEC ENCLOSED AND GASKETED



# Mercmaster™ III HID 50–250 Watt Luminaires

50 W, 70 W, 100 W, 150 W HPS

High Reactance, High Power Factor (min. P.F. 90%). Heat-Resistant Prismatic Glass Globe or Closed Prismatic Glass Refractor. Mogul Base Lamps.

CEC:  
Class I, Division 2, Groups A, B, C, D  
Class I, Zone 2 Ex nR IIC (Z)  
Class II, Division 1 and 2, Groups E, F, G  
Class III

CEC:  
Type 4X  
IP66

Lamp Type	Lamp Watts	Hub Size (Inches)	Catalog Numbers ③④⑤		
			with Globe	with Type V 8" Refractor or G3 Globe ②	
<b>Pendant — One Hub, Rigid Mounting ①</b>					
	HPS	50	3/4 1	KPAL5075 KPAL5010	KPAL5075J5 KPAL5010J5
	HPS	70	3/4 1	KPAL7075 KPAL7010	KPAL7075J5 KPAL7010J5
	HPS	100	3/4 1	KPAL1075 KPAL1010	KPAL1075J5 KPAL1010J5
	HPS	150	3/4 1	KPAL1575 KPAL1510	KPAL1575J5 KPAL1510J5
<b>Pendant Cone — One Hub, Rigid Mounting</b>					
	HPS	50	3/4 1	KPDL5075 KPDL5010	KPDL5075J5 KPDL5010J5
	HPS	70	3/4 1	KPDL7075 KPDL7010	KPDL7075J5 KPDL7010J5
	HPS	100	3/4 1	KPDL1075 KPDL1010	KPDL1075J5 KPDL1010J5
	HPS	150	3/4 1	KPDL1575 KPDL1510	KPDL1575J5 KPDL1510J5
<b>Ceiling — Five Hubs, Four Close-Up Plugs</b>					
	HPS	50	3/4 1	KPCL5075 KPCL5010	KPCL5075J5 KPCL5010J5
	HPS	70	3/4 1	KPCL7075 KPCL7010	KPCL7075J5 KPCL7010J5
	HPS	100	3/4 1	KPCL1075 KPCL1010	KPCL1075J5 KPCL1010J5
	HPS	150	3/4 1	KPCL1575 KPCL1510	KPCL1575J5 KPCL1510J5

① For Flexible Pendant Mount, change **A** to **F** in catalog number (except 50 W HPS).

② To order fixtures with large globe change **J5** to **G3**; for fixture with NEMA Type I or NEMA Type III refractor, change final digit **5** in catalog number to **1** or **3**.

③ Add the following voltage and frequency designation before **Z** suffix:

Lamp Type	Lamp Watts	Voltage Suffixes						
		C2	C3	C6	C7	MT	TT	XP
HPS	50	—	—	—	—	X	X	X
HPS	70	—	—	—	—	X	X	X
HPS	100	—	—	X	X	X	X	X
HPS	150	X	X	X	X	X	X	X
PSMH	70	—	—	—	—	X	X	X
PSMH	100	—	—	—	—	X	X	X
PSMH	150	—	—	—	—	X	X	X
PSMH	175	—	—	—	—	X	X	X
PSMH	200	—	—	—	—	X	X	X
PSMH	250	—	—	—	—	X	X	X
MH ⑥	175	X	X	X	X	—	X	—
MH ⑥	250	X	X	X	X	—	X	—

Voltages:

**C2** - 208 V 60 Hz, CWI

**C6** - 480 V 60 Hz, CWI

**MT** - 120/208/240/277 V 60 Hz

**C3** - 240 V 60 Hz, CWI

**C7** - 600 V 60 Hz, CWI

**TT** - 120/277/347 V 60 Hz, CWA

**LB** - Incandescent, 120 V 60 Hz

**XP** - 220-240 V, 50Hz, CWA

④ Add **Z** for factory sealed restricted breathing protection (Ex nR)

⑤ For fixtures with guards, add letter **G** before adding voltage designation.

⑥ Mercury vapor and metal halide luminaires are not available for purchase within the United States. Please check with your countries governing legislation regarding allowable lamp types before ordering.