

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.

Class I, Division 2, Groups A, B, C, D
Class I, Zone 2, AEx nA nR IIC (Z2)
Class I, Zone 2, Ex nR IIC (Z) [†]
Class I, Zone 2, AEx nR IIC (ZB)

Class II, Division 1 and 2, Groups E, F, G
Class III
Simultaneous Exposure (Class I, Division 2/
Class II, Division 1)

Fixtures Outside Type (Salt Water)
Type 4X
IP66

| Lamp Type | Lamp Watts | Hub Size (Inches) | Catalog Numbers ③④⑤ with Type V 8" Refractor | | |
|---|------------|-------------------|--|---------------|-------------|
| | | | with Globe | or G3 Globe ② | |
| Pendant — One Hub, Rigid Mounting ① | | | | | |
|  | HPS | 50 | 3/4 | KPAL5075 | KPAL5075J5 |
| | | | 1 | KPAL5010 | KPAL5010J5 |
| | HPS | 70 | 3/4 | KPAL7075 | KPAL7075J5 |
| | | | 1 | KPAL7010 | KPAL7010J5 |
| HPS | 100 | 3/4 | KPAL1075 | KPAL1075J5 | |
| | | 1 | KPAL1010 | KPAL1010J5 | |
| HPS | 150 | 3/4 | KPAL1575 | KPAL1575J5 | |
| | | 1 | KPAL1510 | KPAL1510J5 | |
| Pendant Cone — One Hub, Rigid Mounting | | | | | |
|  | HPS | 50 | 3/4 | KPCHL5075 | KPCHL5075J5 |
| | | | 1 | KPCHL5010 | KPCHL5010J5 |
| | HPS | 70 | 3/4 | KPCHL7075 | KPCHL7075J5 |
| | | | 1 | KPCHL7010 | KPCHL7010J5 |
| HPS | 100 | 3/4 | KPCHL1075 | KPCHL1075J5 | |
| | | 1 | KPCHL1010 | KPCHL1010J5 | |
| HPS | 150 | 3/4 | KPCHL1575 | KPCHL1575J5 | |
| | | 1 | KPCHL1510 | KPCHL1510J5 | |
| Ceiling — Five Hubs, Four Close-Up Plugs | | | | | |
|  | HPS | 50 | 3/4 | KPCL5075 | KPCL5075J5 |
| | | | 1 | KPCL5010 | KPCL5010J5 |
| | HPS | 70 | 3/4 | KPCL7075 | KPCL7075J5 |
| | | | 1 | KPCL7010 | KPCL7010J5 |
| HPS | 100 | 3/4 | KPCL1075 | KPCL1075J5 | |
| | | 1 | KPCL1010 | KPCL1010J5 | |
| HPS | 150 | 3/4 | KPCL1575 | KPCL1575J5 | |
| | | 1 | KPCL1510 | 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 **Z2** suffix:

| Lamp Type | Lamp Watts | Voltage Suffixes | | | | | | | | | | | | |
|-----------------|------------|------------------|-----|----|-----|-----|-----|-----|-----|-----------------|-----------------|-----------------|-----------------|-----------------|
| | | MT | 5MT | 48 | 125 | 225 | 226 | 235 | 245 | C2 [†] | C3 [†] | C6 [†] | C7 [†] | TT [†] |
| HPS | 50 | X | — | — | — | X | X | — | X | — | — | — | — | X |
| HPS | 70 | X | — | X | X | X | X | — | X | — | — | — | — | X |
| HPS | 100 | X | — | X | X | X | X | — | X | — | — | X | X | X |
| HPS | 150 | X | — | X | X | X | X | — | X | — | — | X | X | X |
| PSMH | 70 | X | — | X | X | X | — | — | X | — | — | — | — | X |
| PSMH | 100 | X | — | X | X | X | — | — | X | — | — | — | — | X |
| PSMH | 150 | X | — | X | X | X | — | — | X | — | — | — | — | X |
| PSMH | 175 | X | X | X | — | — | — | — | — | — | — | — | — | X |
| PSMH | 200 | X | — | X | — | — | — | — | — | — | — | — | — | X |
| PSMH | 250 | X | — | — | — | — | — | — | — | — | — | — | — | X |
| MH [†] | 175 | X | — | — | X | X | — | — | X | X | X | X | X | X |
| MH [†] | 250 | X | — | — | X | X | — | — | X | X | X | X | X | X |

Voltages:

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

5MT - 120/208/240/277/480 V 60 Hz

48 - 480 V 60 Hz

125 - 120 V 50 Hz

225 - 225 V 50 Hz

226 - 220 V 60 Hz

235 - 230 V 50 Hz

245 - 240 V 50 Hz

C2 - 208 V 60 Hz, CWI [†]

C3 - 240 V 60 Hz, CWI [†]

C6 - 480 V 60 Hz, CWI [†]

C7 - 600 V 60 Hz, CWI [†]

TT - 120/277/347 V 60 Hz, CWA [†]

④ Add **-Z2** suffix for factory sealed non-sparking/restricted breathing protection (AEx nA nR). Add **-ZB** suffix for restricted breathing protection (AEx nR).

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

[†] CSA Certification only.