

Mercmaster™ III Low Profile Luminaires

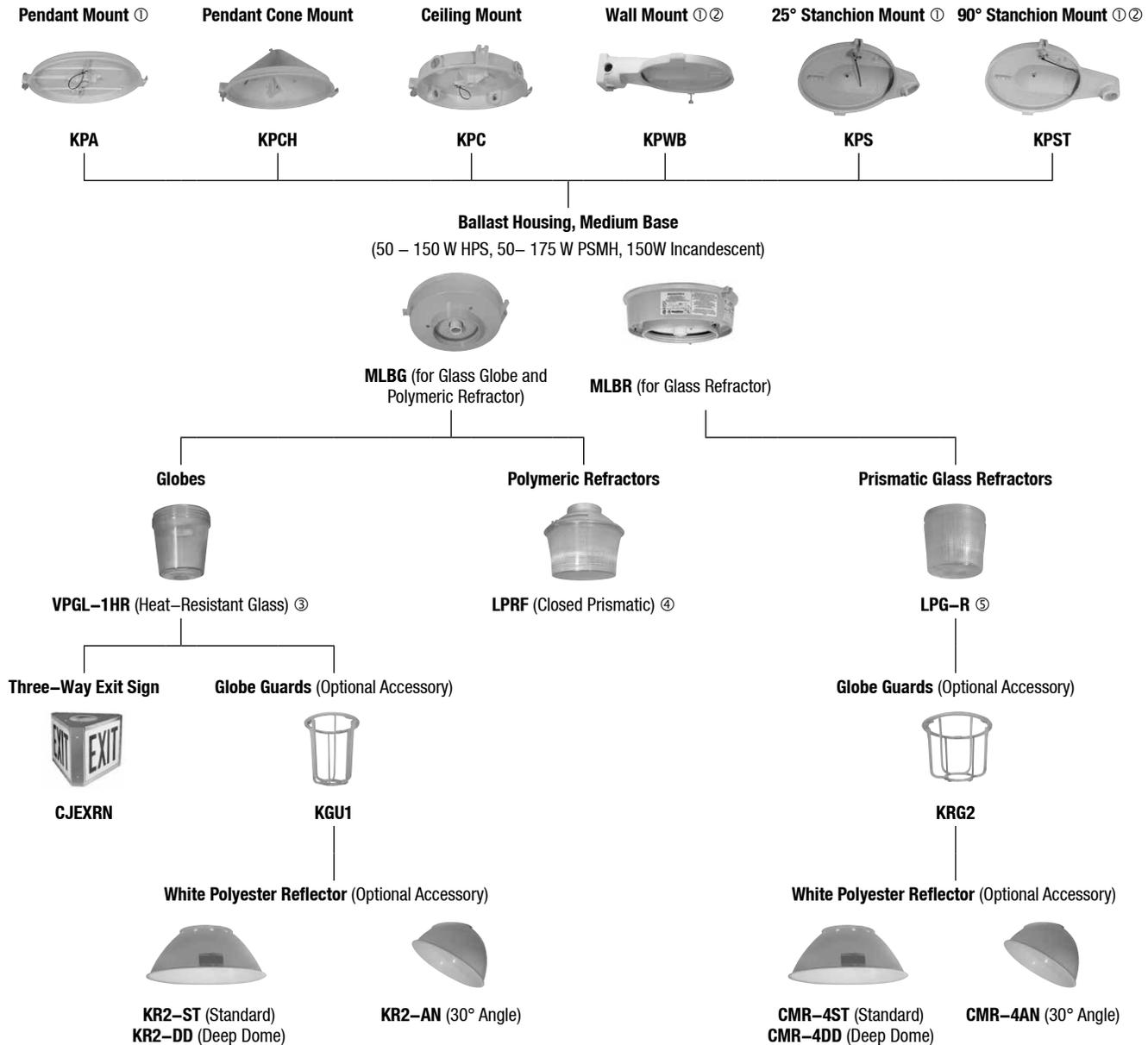
High Pressure Sodium and Pulse Start Metal Halide

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

Mercmaster III Low Profile Family Tree



① Mounting hood with a 120 V or 208-277 V factory installed photocell is available.

② Standard and deep dome reflectors may interfere with bottom conduit entry if used with KPST and KPWB mounting hoods..

③ Available in clear, amber, blue, green and red.

④ Available in NEMA Type II, III, IV and V. Polymeric Refractor suitable for Class II, Groups F and G, NEMA 4X and Marine Type Electric Fixtures Outside Type (Salt Water) only (100 W PSMH Max.).

⑤ Available in NEMA Type I, III and V.

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

Catalog Numbering Guide

<p>ML</p> <p>Series: ML - Mercmaster III Low Profile</p>	<p>A</p> <p>Mounting: A - Pendant (rigid mounting) C - Ceiling D - Pendant Cone Hood F - Pendant (flexible mounting) R - 90° Stanchion S - 25° Stanchion W - Wall</p>	<p>L</p> <p>Lamp Type: I - Incandescent L - High Pressure Sodium P - Pulse Start Metal Halide</p>	<p>15</p> <p>Wattage: 10 - 100 W HPS, PSMH 15 - 150 W HPS, PSMH and 60-150 W max. Incandescent 17 - 175 W PSMH 50 - 50 W HPS, PSMH 70 - 70 W HPS, PSMH</p>	<p>2</p> <p>Hub Size: 2 - 3/4" NPT 3 - 1" NPT 4 - 1-1/4" NPT stanchion 5 - 1-1/2" NPT stanchion</p>	<p>G1</p> <p>Optical Assembly: ② G1 - Globe J1 - NEMA I Glass Refractor J3 - NEMA III Glass Refractor J5 - NEMA V Glass Refractor P2 - NEMA II Polymeric Refractor P3 - NEMA III Polymeric Refractor P4 - NEMA IV Polymeric Refractor P5 - NEMA V Polymeric Refractor</p>	<p>G</p> <p>Guard Options: G - Cast Guard N - No Guard</p>	<p>MT</p> <p>Voltage: ① LB - Incandescent, 120, 60 Hz MT - 120/208/240/277, 60 Hz 5MT - 120/208/240/277/480, 60 Hz 48 - 480, 60 Hz Refractor 125 - 120, 50 Hz 225 - 225, 50 Hz 226 - 220, 60 Hz 236 - 230, 60 Hz 245 - 240, 50 Hz 246 - 240, 60 Hz</p>	<p>R</p> <p>Options: E - Emergency Quartz ③ F - Fuse Kit (Specify Voltage) R - Hot Restrike ③ S - Smart Starter ④ H1 - Photocontrol 120 V H2 - Photocontrol 208 V H3 - Photocontrol 240 V H4 - Photocontrol 277 V D - E-27 Export Socket</p> <p>Optional Fusing ⑥ FN - 120 V FP - 208 V FS - 240 V FT - 277 V FF - 480 V</p>	<p>Z2</p> <p>Suffix: Z2 - Zone 2 suffix (required for AEx nA nR rating) ZB - Zone 2 suffix (required for AEx nR)</p>
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① Other voltages, frequencies available – contact your local sales representative. Voltages shown are limited to specific combinations; refer to following pages.
 ② Polymeric Refractor suitable for Class II, Groups F and G, NEMA 4X and Marine Type Electric Fixtures Outside Type (Salt Water) only (100 W PSMH Max.). Refractors ordered separately.
 ③ Available for 50-150 W HPS fixtures only.
 ④ Available for HPS or PSMH fixtures.
 ⑤ Fixtures equipped with quartz auxiliary lamp do not comply with NEC/CEC requirements and are not suitable for use in classified locations
 ⑥ Optional fusing is available for use with MT, 5MT and 48 voltage suffixes ONLY.

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Ballast Bodies



Ballast Body for Glass Refractor

High Pressure Sodium
 High Power Factor (Min. P.F. 90%)



Ballast Body for Glass Globe or Polymeric Refractor

Pulse Start Metal Halide
 Super Constant Wattage Autotransformer (Min. P.F. 90%)

Lamp Type	Lamp Watts	Catalog Number ④		Voltage Suffixes											
		For Globe	For Refractor	LB	MT	5MT	48	125	225	226	235	236	245	246	
Inc.	150 Max.	MLBG15I	MLBR15I	X	—	—	—	—	—	—	—	—	—	—	—
HPS	50	MLBG50L ①②	MLBR50L ①②	—	X	—	—	—	X	X	—	—	X	—	
HPS	70	MLBG70L ①②	MLBR70L ①②	—	X	—	X	X	X	X	—	X	X	X	
HPS	100	MLBG10L ①②	MLBR10L ①②	—	X	—	X	X	X	X	—	X	X	X	
HPS	150	MLBG15L ①②	MLBR15L ①②	—	X	—	X	X	X	X	—	X	X	X	
PSMH	50	MLBG50H ②③	MLBR50H ②③	—	X	—	X	—	—	—	—	—	—	—	
PSMH	70	MLBG70H ②③	MLBR70H ②③	—	X	—	X	X	X	—	—	—	X	—	
PSMH	100	MLBG10H ②③	MLBR10H ②③	—	X	—	X	X	X	—	—	—	X	—	
PSMH	150	MLBG15P ②③	MLBR15P ②③	—	X	—	X	—	—	—	—	—	X	—	
PSMH	175	MLBG17P ②③	MLBR17P ②③	—	X	X	X	—	—	—	—	—	X	—	

Voltages:

- LB** - Incandescent, 120 V 60 Hz
- 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
- 236** - 230 V 60 Hz
- 245** - 240 V 50 Hz
- 246** - 240 V 60 Hz

① After voltage suffix add: **-S** for Smart Starter, **-R** for ballast body with Hot Restrike Ignitor.
 ② Add **-E** after voltage suffix for ballast body with provision for Quartz Emergency Light. Not suitable for hazardous locations.
 ③ After voltage suffix add: **-S** for Smart Starter.
 ④ Add **-Z2** suffix for factory sealed non-sparking/restricted breathing protection (AEx nA nR). Add **-ZB** suffix for restricted breathing protection (AEx nR).