


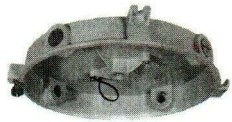
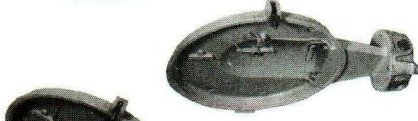
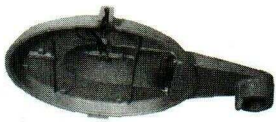
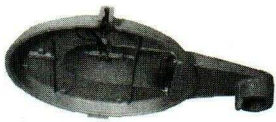


Mounting Hoods and Ballasts for Mercmaster III Lighting Fixtures

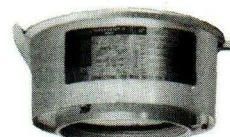
Hoods and Ballast Housings are Die Cast of Copper-Free Aluminum (Less than 4/10ths of 1%).

Description	Hub Size (Inches)	Catalog Number
Mounting Hoods		
 <p>Pendant One Hub, Rigid Mounting</p>	3/4 1	KPA-75 KPA-100
	 <p>Pendant One Hub, Flexible Mounting</p>	3/4 1
 <p>Pendant Cone Rigid Mounting</p>		3/4 1
	 <p>Ceiling Five Hubs, Four Close-Up Plugs</p>	3/4 1
 <p>Wall Five Hubs, Four Close-Up Plugs</p>		3/4 1
	 <p>25° Stanchion One Hub</p>	1-1/4 1-1/2
 <p>90° Stanchion One Hub</p>		1-1/4 1-1/2

Ballast Bodies Add voltage suffix to ballast body number.



Ballast Body for Glass Globe



Ballast Body for Glass Refractor

Type	Lamp Watts	Ballast Body Catalog Numbers		Add Voltage Suffixes*				
		For Globe	For Refractor	120V	208V	240V	277V	480V
High Pressure Sodium High Power Factor (Min. P.F. 90%)	50	KPB50L	KPBR50L	-DT†	—	—	-DT†	—
	70	KPB70L	KPBR70L	-MT◇†	-MT◇†	-MT◇†	-MT◇†	-48◇†
	100	KPB100L	KPBR100L	-MT◇†	-MT◇†	-MT◇†	-MT◇†	-48◇†
	150	KPB150L	KPBR150L	-MT◇†	-MT◇†	-MT◇†	-MT◇†	-48◇†
Mercury Vapor Constant Wattage (Min. P.F. 90%)	100	KPB100M	KPBR100M	-MT◇	-MT◇	-MT◇	-MT◇	-48◇
	175	KPB175M	KPBR175M	-MT◇	-MT◇	-MT◇	-MT◇	-48◇
	250	KPB250M	KPBR250M	-MT◇	-MT◇	-MT◇	-MT◇	-48◇
Metal Halide Constant Wattage (Min. P.F. 90%)	100‡	KPB100H	KPBR100H	-MT◇	-MT◇	-MT◇	-MT◇	◆
	175	KPB175H	KPBR175H	-MT◇	-MT◇	-MT◇	-MT◇	-48◇
	250	KPB250H	KPBR250H	-MT◇	-MT◇	-MT◇	-MT◇	-48◇

* Note: "MT" (multi-tap) ballasts can be operated at an input voltage of either 120, 208, 240, or 277. "DT" (dual-tap) at 120 or 277V. ◇ Add E after voltage suffix for ballast body with provision for Quartz Emergency Light. † Add -HRE after voltage suffix for ballast body with Hot Restrike. ‡ 100W fixtures use ED-28 mogul base lamps only. ◆ Consult factory for 480V.

Mercmaster III Low Profile Enclosed and Gasketed Fixtures for Hazardous and Wet Locations

High Pressure Sodium, Metal Halide and Mercury Vapor luminaires. Listed for simultaneous exposure to combustible dusts and flammable gases or vapors.

- Hinge has high lip for added safety during installation and servicing. Hinge and bolt construction assures 360° compression at all points on ballast housing gasket for positive sealing. Swing away design of captive bolt and nut simplifies servicing.

- All Mercmaster III mounting hoods have provision for easy field installation of fuses in fixtures (see fuse kit listings in this catalog section).

Standard Materials

- Mounting hoods, bodies and guard die cast copper-free aluminum.
- All hardware and catch assemblies stainless steel.
- Reflectors are fiberglass-reinforced white polyester.
- Globes and Refractors – heat resistant prismatic glass.

Standard Finishes

- Mounting hoods, bodies and guards have baked grey epoxy-clad finish, electrostatically applied for complete uniform protection.

Options

- **Hot Restrike** to restrike HPS lamp immediately when power is restored after a momentary power interruption. Add suffix **-R**.

- **Quartz Auxiliary** comes to full brightness immediately and remains lit until the HID lamp attains 60-70% of full illumination. Quartz Auxiliary supplied with relay switch and socket to accept 120V quartz double contact bayonet base lamp (not included). (Not suitable for hazardous locations.) (Quartz lamp wattage should not exceed HID lamp wattage.) Add suffix **-E**.

- **"Smart Starter"** for HPS fixtures only. Incorporates a 1-1/2-minute timer and performs as a conventional starter to normally start lamp. Removes itself from circuit if lamp burns out or is removed from socket. Eliminates starter failures caused by prolonged operation with cycling or failing lamps and simplifies finding their location, reducing maintenance and repair costs. Available for all HPS fixtures. Add suffix **-S**.

- **Guards** with grey epoxy painted to match fixtures, supplied with stainless steel screws. Add suffix **-G** before voltage suffix.

- **Reflectors** standard dome and 30° angle polyester. Order Separately.

- **Photocells** for classified and non-classified use. See accessories page.

Compliances

- UL Listed
- UL 1572, UL 844, UL 595
- CSA Certified
- Class I, Div. 2, Groups A,B,C,D
- Class II, Div. 1 and 2; Groups E,F,G
- Class III
- NEMA 4X
- CSA 4X
- Simultaneous Exposure Class I, Div. 2; Class II, Div. 1

Ordering Information:

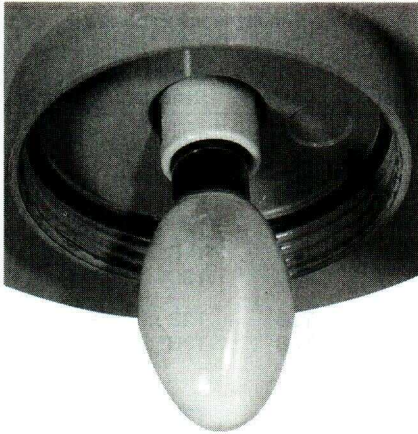
Order using catalog numbering guide below or select catalog number from tables on following pages.

CATALOG NUMBERING GUIDE FOR MERCMASTER III LOW PROFILE HID LUMINAIRES

<p>ML</p> <p>SERIES: ML - Mercmaster Low Profile</p>	<p>A</p> <p>LAMP TYPE: H - Metal Halide I - Incandescent L - High Pressure Sodium M - Mercury Vapor</p>	<p>L</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>15</p> <p>WATTAGE: 10 - 100 watt all lamp types 15 - 150 watt HPS and 60-150 watt max. Incandescent 17 - 175 watt MH (Glass Refractor Only) 35 - 35 watt HPS 50 - 50 watt MH, MV & HPS 70 - 70 watt MH & HPS 75 - 75 watt MV</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:† 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: MT - 120/208/240/277 48 - 480 A1 - 120 A4 - 277 A8 - 120/240 A9 - 120/277 H1 - 120 R-HPF LB - 600 VAC Max.</p>	<p>R</p> <p>OPTIONS: E - Emergency Quartz F - Fuse Kit (Specify Voltage) R - Hot Restrike S - Smart Starter</p>
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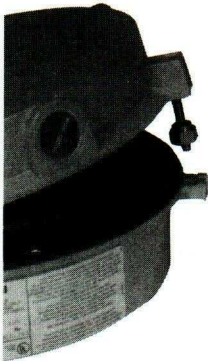
† Polymeric Refractor suitable for Class II, Groups F & G, NEMA 4X and UL595 only (100W MH Max.). Reflectors ordered separately.

Mercmaster III Low Profile Enclosed and Gasketed Fixtures for Hazardous and Wet Locations



High Temperature Sockets
Medium base high temperature porcelain sockets.

Aluminum Inner Reflector
Solid aluminum inner reflector (for refractor ballast housings only) with white powdercoat polyester finish improves photometric efficiency.



Stainless Steel Latch Assembly
Captive, stainless steel latch assembly bolt and nut closes securely, resists attack of corrosive atmospheres. Swing away design simplifies servicing.

Epoxy Finish

Ballast housing, hoods and guards are copper-free aluminum with baked epoxy corrosion-resistant finish.

Stainless Steel Inserts

Ballast bodies have stainless steel threaded inserts to receive stainless steel screws for reflectors and guard. Prevents "freezing", allowing guards and reflectors to be easily removed and replaced at any time, without damage to the housing.



Cooler Operating Cone Hood

Larger sloped surface sheds dusts, dirt and combustible fibers providing better heat dissipation.

Electrical Protection

Ground wire provided to bond mounting hood to ballast housing.

Photocell

Installs through knock-out in mounting hoods except cone and ceiling mount. Provides continuous on-off dusk-to-dawn control. Not for use in hazardous (classified) areas.

Vented Reflectors

Reflectors are thick, tough fiberglass-reinforced white polyester, vented for cooler operation. Quickly attaches with furnished stainless steel screws.



Hood/Ballast Gasket

Silicone rubber gasket seals out moisture, dirt and dust. Stays flexible, withstands high temperatures. Closure design assures uniform gasket compression.



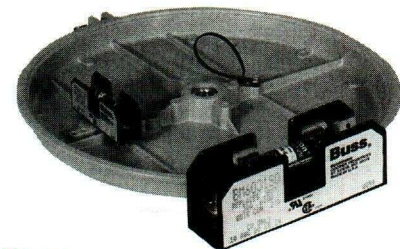
"Safety" High Hinge

Extra high hinge provides additional protection against accidental ballast housing disengagement during installation or maintenance.



Prismatic Glass Globes and Refractors

Heat-Resistant globes and refractors thread directly into ballast housing and seals against a high-temperature silicone rubber gasket.



Fuses
Two screws secure fuse kit to mounting boss in any Mercmaster mounting hood. Fuse included.