




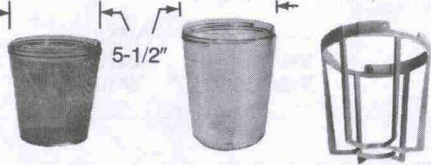
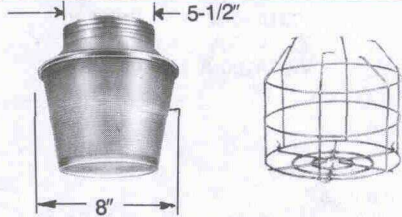

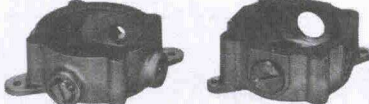




Fixture Units and Accessories for Mercmaster Jr.™ HPS Lighting Fixtures for Medium Base Lamps

Description		ANSI Lamp Watts	Lamp Type	Catalog Number
Fixture Units				
	Ballast body with globe (VPGL-1 with 35, 50, 70 and 100W and VPGL-1HR with 150W). Use with Mounting Hoods on page 21D or any V-51 series Mounting Hood. Polyester or porcelain Reflector and Aluminum Guard are available. High power factor (min. P.F. 90%). Ballast provides 120V line operation.	35 50 70 100 150	S76 S68 S62 S54 S55	MUL35-120 MUL50-120 MUL70-120 MUL100-120 MUL150-120
		Ballast Body		
Ballast Bodies				
	Use with Mounting Hoods on page 21D or any V-51 series Mounting Hood and with Refractor or Globe listed. Order other accessories below as desired. High power factor (min. P.F. 90%). Ballast provides 120V line operation.	35 50 70 100 150	S76 S68 S62 S54 S55	MBL35-120 MBL50-120 MBL70-120 MBL100-120 MBL150-120
		Ballast Body		
Reflectors—35W-150W[Ⓛ]				
	Standard Dome (porcelain, 16" dia.; polyester, 16-1/4" dia.)		Porcelain	Polyester
	30° Angle (porcelain, 12" dia.; polyester, 14-3/8")		LPR-25ST	LPRP-25ST
Globes and Guard—35W-150W				
	Clear Heat Resistant Prismatic Glass Polycarbonate (100W lamp max.) [Ⓜ] Copper-Free Aluminum Guard			Cat. No.
				VPGL-1HR VPGL-2PL VPGU-1
Refractors and Guard—35W-150W				
	Closed Prismatic Glass 8" Refractors NEMA V NEMA II Steel Guard for 8" Refractors			Cat. No.
				LPJR-5CG LPJR-2CG LPBG-8
JBX Cast Conduit Outlet Boxes[Ⓛ]				
	Aluminum. 1-5/16" inside depth. Four tapped openings, two close-up plugs and mounting lugs. Use with MJBW Wall Mount Fixture (page 21C) and JB Round Base Mounting Hoods (page 21D).		Size (Inches)	Cat. No.
			1/2 3/4	JBX50L-A JBX75L-A
GSU Cast Conduit Outlet Box (Form 20)[Ⓛ]				
	Malleable iron. 1-3/4" inside depth. Four 3/4" hubs with four 3/4" to 1/2" reducers, and three 1/2" close-up plugs. Use with MGSW Wall Mount Fixture (page 21C) and GS Round Base Mounting Hoods (page 21D).		1/2 or 3/4 1	GSU-20 GSU-100
Replacement Socket— 35W-150W				
				JRS-100
Replacement Globe Gasket— Silicone Rubber— 35W-150W				
				VPGL-GK

Ⓛ V-51 reflectors cannot be used with Mercmaster Jr. fixtures. Ⓜ Do not use Polycarbonate Globes in ambients exceeding 25°C. These globes for burning in vertical base-up position only. Ⓝ Using JBX Box with these fixtures and mounting hoods provides 15/16" clearance from wall with refractor and 1-5/8" clearance from wall with globe. Ⓞ Using GSU Box with these fixtures and mounting hoods provides 1-5/16" clearance from wall with refractor and 2" clearance from wall with globe.

Mercmaster Jr.™ Enclosed and Gasketed HPS Lighting Fixtures

High Pressure Sodium. Suitable for Use in Wet Locations. UNILETS® for Use with Threaded Metal Conduit. 120V Integral Ballast. Medium Base Socket for Medium Base Lamps.

Applications

- Inexpensive HID integrally ballasted fixture for use in hazardous locations—inexpensive to buy and inexpensive to operate (uses one-fifth as much electrical energy as incandescent and three-quarters as much as fluorescent).
- Enclosed and gasketed HID lighting fixtures for use in tunnels, walkways, bridges, storage facilities, processing plants, parking lots, foundries, manufacturing plants, power plants and other locations where moisture, dirt, dust or corrosive atmospheres are encountered.

Features

- "Wireless" design. Threading of fixture unit onto mounting hood makes electrical connection. Only wiring required is attaching two wires to connection block in mounting hood.
 - Safe, easy servicing without disconnecting any wiring. "Wireless" fixture unit easily threads off mounting hood for convenient servicing.
 - Quick, easy conversion from Appleton V-51 incandescent installation to Mercmaster Jr. HID. Just remove V-51 fixture unit and thread Mercmaster Jr. fixture unit onto existing V-51 mounting hood.
 - Choice of mounting hoods. Standard fixtures in pendant, ceiling, outlet box, wall, and stanchion mountings. Additional mounting hoods on page 21D.
 - Standard pendant mounting hood for rigid or flexible mounting. Balanced round design automatically hangs plumb when used with flexible hanger.
 - Unitized construction reduces installation and maintenance costs.
 - Ballast has standard non-PCB biodegradable capacitors.
 - Medium base socket is furnished with 200°C leads, prewired to the ballast. Porcelain socket assures trouble-free operation in high ambient installations.
 - Prismatic glass globe or glass refractor is standard and threads directly into fixture housing. Eliminates glare and provides uniform light distribution.
 - Fiberglass-reinforced polyester reflector for exceptionally severe corrosive atmospheres. Vented for cooler, dirt-free operation, increased lumen output.
- Standard Materials**
- *Mounting hoods:* copper-free alumi-



Conversion from Appleton V-51 incandescent installation to HID Mercmaster Jr. is easy and fast.

Step No. 1: After power is shut off, remove present incandescent V-51 fixture unit from existing V-51 mounting hood.

Step No. 2: Thread Mercmaster Jr. HID fixture unit onto existing V-51 mounting hood—and conversion is completed.

num (4/10 of 1% max. copper content) or malleable iron.

- *Ballast bodies:* copper-free aluminum (4/10 of 1% max. copper content).
- *Guards:* copper-free aluminum (4/10 of 1% max. copper content) or steel.
- *Reflectors:* fiberglass-reinforced polyester or porcelain.
- *Globe:* 35W-100W, threaded prismatic glass and threaded polycarbonate; 150W, threaded heat-resistant prismatic glass.
- *Reflector:* heat-resistant prismatic glass.

Standard Finishes

- *Ballast bodies, aluminum guard and VMA, VXHA-A, OBVW1-A, OBV1-A, JBW1-A, JB1-A, GSW2, and MS*

mounting hoods: epoxy powder coat finish, electrostatically applied for complete, uniform surface protection.

- *VA, VXHA, OBVW1, OBV1, GS-2, JBW1, and JB1 malleable iron mounting hoods:* triple coat—(1) zinc electroplate; (2) dichromate; and (3) epoxy powder coat.
- *Steel guard:* zinc electroplate.

Options

- Fuses for fixtures. Factory installed. Add suffix -F.

Compliances

- UL Standard 1572 (supersedes UL57), 844 and 595 (marine).
- NEMA 4X.