

Type No. _____

Catalog No. _____

Job. Name _____

PFMG CosmoPolis / MasterColor Elite HID Series Performer Metal over Glass High Bay, 60-315 watt

APPLICATIONS

- Applications include industrial facilities, manufacturing plants, retail, cafeterias and gymnasiums.

CONSTRUCTION

- Ballast housing has an Ultra-Clad polyester powder coating, electrostatically applied and oven cured. Standard unit constructed to IP52.

OPTICS

- The Performer CosmoPolis and MasterColor Elite HID Metal over Glass High Bay is available as an enclosed unit with a 16" diameter or 22" diameter prismatic reflector of borosilicate glass. The optical assembly consists of the glass-lined reflector, assembled with a die-cast neck and wire frame with a white UltraClad finish and standard optic retainer cable. Enclosed and gasketed optics feature a 1/8" tempered glass lens which is easily accessed by tool-less latch. Field adjustable socket allows narrow or wide distribution.

ELECTRICAL

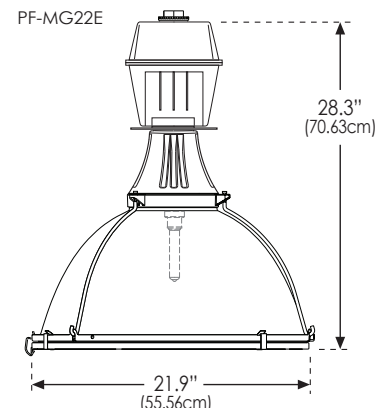
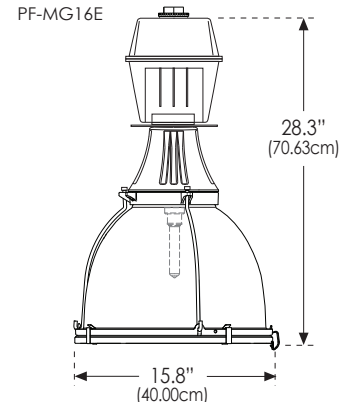
- The Performer CosmoPolis and MasterColor Elite HID series of products utilize a special ceramic metal halide lamp and electronic ballast gear, providing the highest quality of white light in an extremely efficient and extended life package. CosmoPolis series is available in 60W, 90W and 140W systems. MasterColor Elite series is available in 210W and 315W systems.
- The digitally microprocessor-controlled ignitor in the Master Color Elite ballast gear virtually eliminates lamp electrode wear and arc tube wall blackening. Ballasts have a 60,000 hour life, and include built-in end of life and overheating protections as well as open and short circuit lamp protections. CosmoPolis (60W / 90W / 140W) systems are suitable for operation in an ambient temperature range of -20°C (-4°F) to 30°C (86°F). MasterColor Elite (210W / 315W) systems are suitable for operation in an ambient temperature range of -30°C (-22°F) to 40°C (104°F). The BL option provides bi-level (Hi / Low) dimming to 50% power. The AD option provides analog (full range) dimming to 50% power. Available for MasterColor Elite 210W and 315W units only. The BL option provides bi-level (Hi / Low) dimming to 50% power. The AD option provides analog (full range) dimming to 50% power. Available for MasterColor Elite 210W and 315W units only.

MOUNTING

- Cast aluminum nut and hub is standard for quick, positive mounting to 3/4" NPT or NPSM conduit.

WARRANTY/LISTINGS

- Standard 5 Year Limited Warranty. ETL/cETL Listed luminaire, UL 1598, suitable for Damp Locations. The quality systems of this facility have been Registered by UL to the ISO 9000 Series Standards.



See Page 2 for Ordering Information

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PHILIPS

PFMG CosmoPolis / MasterColor Elite HID Series

Performer Metal over Glass High Bay, 60-315 watt

PF-MG16E



Notes

- 1) Philips CosmoPolis lighting system: 60W, 90W or 140W lamp with Advance CosmoPolis ballast.
- 2) Philips MasterColor Elite lighting system: 210W or 315W lamp with Advance e-Vision ballast.
- 3) Photometry available online. IES file names reflect catalog logic.
- 4) 60W-140W CosmoPolis lamps: Single ended tubular (T6 clear) white with a PGZ12 lamp base and holder. Color Rendering: CRI = 70. Color Temperature: CCT = 2800K.
210-315W CDM Elite MW lamps: (T9 clear) with a PGZ18 lamp base and socket. Color Rendering: CRI = 90. Color Temperature: CCT = 3000K.



Series/Source-Wattage	Optics	E ballast Voltage - Optional Dimming
Pulse Start Metal Halide CosmoPolis system ⁽¹⁾ <input type="checkbox"/> PFP-60 60W CosmoPolis <input type="checkbox"/> PFP-90 90W CosmoPolis <input type="checkbox"/> PFP-140 140W CosmoPolis MasterColor Elite system ⁽²⁾ <input type="checkbox"/> PFP-210 210W MasterColor Elite <input type="checkbox"/> PFP-315 315W MasterColor Elite	Reflector / Lens <input type="checkbox"/> MG16NE 16" Metal over Glass High Bay, Narrow distribution, Enclosed construction <input type="checkbox"/> MG16WE 16" Metal over Glass High Bay, Wide distribution, Enclosed construction <input type="checkbox"/> MG22NE 22" Metal over Glass High Bay, Narrow distribution, Enclosed construction <input type="checkbox"/> MG22WE 22" Metal over Glass High Bay, Wide distribution, Enclosed construction <input type="checkbox"/> MG16O 16" Metal over Glass High Bay, Open Construction <input type="checkbox"/> MG22O 22" Metal over Glass High Bay, Open Construction	Standard non-dimming electronic ballast voltage <input type="checkbox"/> 208E <input type="checkbox"/> 240E <input type="checkbox"/> 277E 60 / 90 / 140W Advance CosmoPolis system ballast (wattage specific) 210 / 315W Advance e-Vision system ballast (for 210 and 315 watt systems) <hr/> Optional Dimming Ballast: <i>Available for 210W and 315W units only. Requires 0-10V low voltage wiring.</i> <i>Leave blank to specify standard non-dimming ballast.</i> <input type="checkbox"/> BL Bi-Level (Hi / Low) dimming to 50% power <input type="checkbox"/> AD Analog (full range 0-50) dimming to 50% power

Distribution Guide and Ballast Data ⁽³⁾

Wattage	Available Optics	Lamp / Socket ⁽⁴⁾	Ballast	Initial Lamp Lumens	Lumens per Watt	Rated Life (hrs)	Line Current 208 / 240 / 277	Line Watts
PSMH 60	MG16N/WE MG22N/WE	CPO-TW 60W/728 PGZ12 socket	ICW60NLS	6,850	114	18,000	0.32 / 0.28 / 0.24	67
PSMH 90	MG16N/WE MG22N/WE	CPO-TW 90W/728 PGZ12 socket	ICW90MLS	10,450	116	20,000	0.47 / 0.41 / 0.35	99
PSMH 140	MG16N/WE MG22N/WE	CPO-TW 140W/728 PGZ12 socket	ICW140MLS	16,500	118	20,000	0.75 / 0.67 / 0.57	153
PSMH 210	MG16N/WE MG22N/WE	CDM Elite MW 210/T9/930/U/E PGZ18 socket	IZMH210315RLF	24,150	115	20,000	1.20 / 1.00 / 0.82	229
PSMH 315	MG16N/WE MG22N/WE	CDM Elite MW 315/T9/930/U/E PGZ18 socket	IZMH210315RLF	37,800	120	20,000	1.80 / 1.54 / 1.30	343

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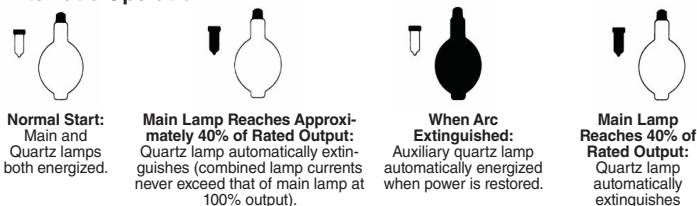
Performer Metal over Glass High Bay, 60-315 watt

Options (factory installed)

Auxiliary / Emergency Lighting

- ☐ **CSR** *Hot Quartz Restrike using Current Sensing Relay*
Extinguishes auxiliary lamp when main arc strikes.
- ☐ **LQ1** *Separately Wired (120V)*
Hot / Cold Quartz Restrike
Externally controlled emergency lighting from a separate power source. To ensure integrity of the emergency lighting system, LQ1 leads should be hardwired. Suitability of specifying emergency lighting (LQ1) with (5-wire) cord and plug is the determination of the user.)

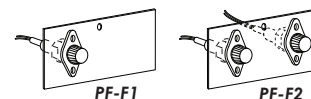
LiteMatic Operation



Ballast Fusing

- ☐ **F1** *Single Fuse, 277V*
- ☐ **F2** *Double Fuse, 208 / 240V*

Standard unit consists of 1 or 2 externally accessible KTK 30 amp fuses.



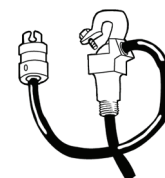
Alternate Mounting

- ☐ **HCP-(X)C-L(Y)20P** *Hook, Cord and Plug, 3-Wire*
(X) = Cord length in feet: 3, 6 or 10
(Y) = 3-Wire NEMA voltage code: 6=208/240V, 7=277V

- ☐ **HCP-(X)C-L2320P** *Hook, Cord and Plug, 5-Wire*
(X) = Cord length in feet: 3, 6 or 10

Unit is pre-wired with 3-conductor rubber jacketed cable and heavy duty (16/3) NEMA twist-lock plug, along with die-cast hook with locking screw. 20A standard.

When specified with LQ1, unit is pre-wired with 5-conductor rubber jacketed cable and heavy duty (16/5) NEMA twist-lock plug (L2320P), along with die-cast hook with locking screw. 20A standard.

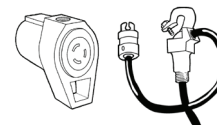


- ☐ **H4-HCP-L(Y)20P** *Pendant Power Hook, 3-Wire (300V) with HCP*
(Y) = 3-Wire NEMA voltage code: 6=208/240V, 7=277V

- ☐ **H4-HCP-L2320P** *Pendant Power Hook, 5-Wire (600V) with HCP*

Pendant Mounted Power Hook with NEMA receptacle. Unit is pre-wired with Hook, Cord and Plug.

When specified with LQ1, Pendant Mounted Power Hook has an L2320R NEMA receptacle.

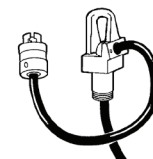


- ☐ **LCP-(X)C-L(Y)20P** *Loop, Cord and Plug, 3-Wire*
(X) = Cord length in feet: 3, 6 or 10
(Y) = 3-Wire NEMA voltage code: 6=208/240V, 7=277V

- ☐ **LCP-(X)C-L2320P** *Loop, Cord and Plug, 5-Wire*
(X) = Cord length in feet: 3, 6 or 10

Unit is pre-wired with 3-conductor rubber jacketed cable and heavy duty (16/3) NEMA twist-lock plug, with die-cast loop. 20A standard.

When specified with LQ1, unit is pre-wired with 5-conductor rubber jacketed cable and heavy duty (16/5) NEMA twist-lock plug (L2320P), with die-cast loop. 20A standard.

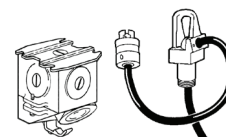


- ☐ **H5-LCP-L(Y)20P** *Power Hook, 3-Wire (300V) with LCP*
(Y) = 3-Wire NEMA voltage code: 6=208/240V, 7=277V

- ☐ **H5-LCP-L2320P** *Power Hook, 5-Wire (600V) with LCP*

Power Hook with thru-wire provision contains a NEMA receptacle. Unit is prewired with Loop, Cord and Plug.

When specified with LQ1, 5-Wire version is required.



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Accessories (Field Installed - Shipped Separately)

Ballast Fusing

☐ **PF-F1-Fuse-Kit** Single Fuse Kit, 277V

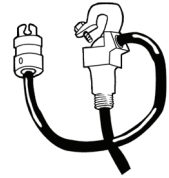
☐ **PF-F2-Fuse-Kit** Double Fuse Kit, 208 / 240V

Alternate Mounting

- ☐ **HCP-(X)C-L(Y)20P** Hook, Cord and Plug, 3-Wire
(X) = Cord length in feet: 3, 6 or 10
(Y) = 3-Wire NEMA voltage code: 6=208/240V, 7=277V
- ☐ **HCP-(X)C-L2320P** Hook, Cord and Plug, 5-Wire
(X) = Cord length in feet: 3, 6 or 10

3-conductor rubber jacketed cable and heavy duty (16/3) NEMA twist-lock plug as specified, with die-cast hook with locking screw. 20A standard.

When specified for unit equipped with LQ1, 5-conductor rubber jacketed cable is required, which is wired to a heavy duty (16/5) NEMA twist-lock plug (L2320P), with die-cast hook with locking screw. 20A standard.



- ☐ **H4** Pendant Power Hook, 3-Wire
- ☐ **H4-5W** Pendant Power Hook, 5-Wire

Pendant Mounted Power Hook with NEMA receptacle as specified. Used with corresponding Hook, Cord and Plug.

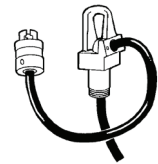
When specified for unit equipped with LQ1, 5-wire version is required.



- ☐ **LCP-(X)C-L(Y)20P** Loop, Cord and Plug, 3-Wire
(X) = Cord length in feet: 3, 6 or 10
(Y) = 3-Wire NEMA voltage code: 6=208/240V, 7=277V
- ☐ **LCP-(X)C-L2320P** Loop, Cord and Plug, 5-Wire
(X) = Cord length in feet: 3, 6 or 10

3-conductor rubber jacketed cable and heavy duty (16/3) NEMA twist-lock plug as specified, with die-cast loop. 20A standard.

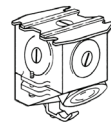
When specified for unit equipped with LQ1, 5-conductor rubber jacketed cable is required, which is wired to a heavy duty (16/5) NEMA twist-lock plug (L2320P), with die-cast loop. 20A standard.



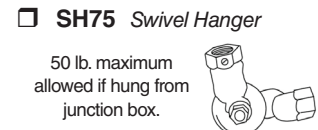
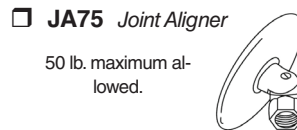
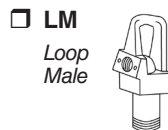
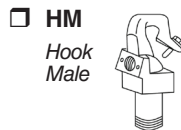
- ☐ **H5** Power Hook with thru-wire provision, 3-Wire
- ☐ **H5-5W** Power Hook with thru-wire provision, 5-Wire

Power Hook with thru-wire provision contains a NEMA receptacle. Used with corresponding Loop, Cord and Plug.

When specified for unit equipped with LQ1, 5-Wire version is required.



Mounting Extras



Notes

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