Type No	
Catalog No	

Performer Metal over Glass (Glass Lined) High Bay, 250-1000 watt HID

APPLICATIONS

Job. Name

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

CONSTRUCTION

Low profile, heat dissipating die-cast aluminum ballast enclosure has a white UltraClad
polyester powder coat, electrostatically applied and oven cured. Totally enclosed core & coil
assembly and capacitor for safe and reliable component life. Standard safety cable between
optical/ballast assembly allows secure relamping. Standard open optic unit is constructed to
IP22. Standard enclosed optic unit is constructed to IP52. Wet Location unit is constructed to
IP54.

OPTICS

• The optical assembly consists of a prismatic reflector of borosilicate glass. Open optics feature a self-cleaning ventilated design for natural flow of air to reduce collection of contaminants on reflector wall and lamp. Internal support bracket provides positive mounting of reflector and features a white UltraClad finish. Enclosed and gasketed optics feature a 1/8" tempered glass lens and consists of the glass-lined reflector, assembled with a die-cast neck and wire frame finished in a white UltraClad finish. Optic retainer cable is standard on enclosed units. Safety cable option permits hands-free relamping..

ELECTRICAL

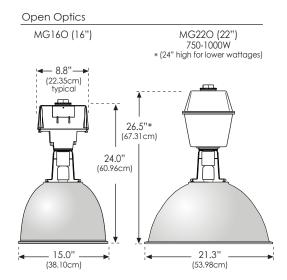
High power factor constant-wattage autotransformer (CWA) ballast with reliable starting to 29°C (-20°F) for Metal Halide, -34°C (-30°F) for Pulse Start Metal Halide, -40°C (-40°F) for High Pressure Sodium. 180°C (356°F) Class H insulation system. Crest factor does not exceed 1.8. PolyBlock ballast option (core and coil assembly encapsulated in polyester resin compound) available for applications requiring quieter operation and maximum heat dissipation. Electronic Ballast options are available. Performer Metal over Glass (glass lined) High Bay luminaires require the use of mogul-based lamps.

MOUNTING

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

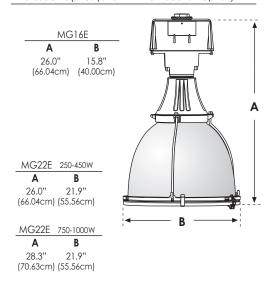
WARRANTY/LISTINGS

 Standard 5 Year Limited Warranty. UL/cUL Listed luminaire, UL 1598, suitable for Damp Locations, Wet Location option available. Standard open and enclosed units suitable for use in ambient not exceeding 55°C (131°F). With 65 option, open unit is suitable for use in ambient not exceeding 65°C (149°F). 65 option not available with enclosed optics. The quality systems of this facility have been Registered by UL to the ISO 9000 Series Standards.



*Note: MG22O maximum unit height shown, required for 750-1000W units. In lower wattage MG22O units. overall height is same as MG16O.

Enclosed Optics (and with Wet Location Option)



See Page 2 for Ordering Information





Performer Metal over Glass (Glass Lined) High Bay, 250-1000 watt HID

Performer Metal over Glass High Bay





- Per the 2005 National Electric Code (NEC 2005); Open MH luminaires require the use of "O" rated lamps. Do not install a lamp identified for use in Enclosed Luminaires.
- 2) Open PS luminaires require the use of "O" rated lamps with the exclusionary lamp base (EX39) only.
- 750W and 1000W units are available in Narrow Distribution and 22" optics only.
 - 22" Open optics require Open Rated lamps as follows: MH units require BT56 coated lamps; HPS units require E25 clear lamps.

Series/Source-Wattage	Optics (5)	Voltage
Metal Halide (1)	□ MG160	□ 120
☐ PFM-1000 ⁽³⁾	16" Metal over Glass High Bay Open Construction	□ 208
Pulse Start Metal Halide (2)		□ 240
☐ PFP-250	☐ MG22O	D 240
☐ PFP-320	22" Metal over Glass High Bay Open Construction	□ 277
☐ PFP-350	·	□ 480
□ PFP-400	☐ MG16E	
□ PFP-450	16" Metal over Glass High Bay Enclosed Construction	QV Quad voltage ballast Allows
☐ PFP-750 (3)		field selection of 120/208 /240/277
☐ PFP-1000 ⁽³⁾	□ MG22E	voltage.
High Pressure Sodium (4)	22" Metal over Glass High Bay Enclosed Construction	
☐ PFS-250	Enclosed Construction	
□ FF3-230		
☐ PFS-400		
☐ PFS-750 ⁽³⁾		
☐ PFS-1000 ⁽³⁾		

At time of publication, open rated 750W and 1000W PSMH lamps are not available. Consequently, 750W and 1000W Pulse Start units are not available with Open optics.

750W 22" Enclosed units: PSMH units require BT37 coated lamps, HPS units require BT37 clear lamps. 1000W 22" Enclosed units:

1000W 22" Enclosed units: MH/PSMH units require BT37 clear lamps, HPS units require BT37 twin arc tube clear lamps. 1000W Wet Location (22" Enclosed) units: MH units require BT56 Coated lamps, HPS units require E25 clear lamps.

- Open construction is standard for Performer Series HPS units; consult factory for Enclosed construction.
- Performer Glass High Bay optics are factory set for Narrow Distribution. At installation, the socket setting may be adjusted for a Wide Distribution.

750-1000W exception: 750W and 1000W units are available in Narrow Distribution and with 22" optics only.

Distribution Guide and Ballast Data (1)

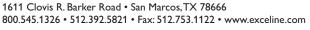
Source Type ⁽²⁾	Catalog Number	Optics Dia.	Lamp Cha Open	racteristics Enclosed	ies ⁽³⁾ File Name	ANSI Code	Line Current 120 / 208 / 240 / 277 / 480	Line Watts	ON	OW	R (4,5)	EW
МН	ILXM-1000	22"	BT56 Coated	BT37 Clear	mgm10L*.ies	M47 / H36	9.2 / 5.6 / 4.7 / 4.1 / 2.4	1080	86.3	NA	79.3	NA
PS	PFP-250	16"	ED28 Coated	ED28 Coated	mgpc25S*.ies	M138 / M153	2.8 / 1.5 / 1.3 / 1.2 / 0.6	298				
	PFP-350	16" 22"	BT37 Coated BT37 Coated	BT37 Coated BT37 Coated	mgpc35S*.ies mgpc35L*.ies	M131	3.7 / 2.1 / 1.8 / 1.6 / 0.9	400	62.4 77.0	60.1 78.2	57.3 69.1	53.5 69.9
	PFP-400	16" 22"	BT37 Coated BT37 Coated	BT37 Coated BT37 Coated	mgpc40S*.ies mgpc40L*.ies	M135 / M155	4.0 / 2.3 / 2.0 / 1.8 / 1.0	456	65.3 77.0	62.9 81.8	60.0 72.3	56.0 73.1
	PFP-450	16" 22"	BT37 Coated BT37 Coated	BT37 Coated BT37 Coated	mgpc45S*.ies mgpc45L*.ies	M144	4.4 / 2.6 / 2.2 / 1.9 / 1.1	509			60.8 73.3	56.7 74.1
	PFP-750	22"	NA	BT37 Coated	mgpc75LN.ies	M149	7.0 / 4.0 / 3.5 / 3.0 / 2.0	818	NA	NA	74.7	NA
	PFP-1000	22"	NA	BT37 Clear	mgp10LN.ies	M141	9.2 / 5.3 / 4.6 / 4.0 / 2.4	1080	NA	NA	90.7	NA
HPS	PFS-250	16"	E18 Clear	E18 Clear	mgs25S*.ies	S50	2.7 / 1.5 / 1.3 / 1.2 / 0.7	310	69.7	63.6	62.3	60.7
	PFS-400	16" 22"	E18 Clear E18 Clear	E18 Clear E18 Clear	mgs40S*.ies mgs40L*.ies	S51	3.9 / 2.3 / 2.1 / 1.7 / 1.0	465	77.4 97.3	70.6 100.2	69.2 89.9	67.4 92.2
	PFS-750	22"	BT37 Clear	BT37 Clear	mgs75L*.ies	S111	6.8 / 4.0 / 3.5 / 3.1 / 1.8	840	119.3	NA	112.2	NA
	PFS-1000	22"	E25 Clear	BT37 Clear	mgs10l*.ies	S52	9.5 / 5.5 / 4.8 / 4.2 / 2.4	1100	117.3	NA	98.8	NA

Distribution Guide and Ballast Data Notes:

- The Performer Metal over Glass High Bay series accommodates other wattages and lamps. Consult factory.
- MH = Metal Halide w/ CWA ballast,
 PS = Pulse Start Metal Halide w/ CWA ballast,
 HPS = High Pressure Sodium w/ CWA ballast.
- Available combinations are listed in LER section of chart. Replace (*) with
- N = Open/Narrow:
- W = Open/Wide;
- A = Enclosed/Narrow;
- B = Enclosed/Wide

- 4) Calculated in accordance with NEMA Standard LE-5B.
- 5) ON = Open/Narrow; OW = Open/Wide. EN = Enclosed/Narrow; EW = Enclosed/Wide.







Performer Metal over Glass (Glass Lined) High Bay, 250-1000 watt HID

Options (factory installed)

☐ **E** Electronic ballast option

Use this option when a specific manufacturer's ballast is not required. Wide-Lite will select a ballast that is appropriate for the application. Consult factory if a specific mfg's ballast is selected to assure compatibility. Available for PSMH units only in the following wattages: 320, 350, 400, 450. 450W available in 277V only.

Standard available voltages: 208, 277, 240V. Not available in 480V.

Note: Limited availability in other wattages, voltages and sources. Consult factory.

Option selection by electronic ballast manufacturer.

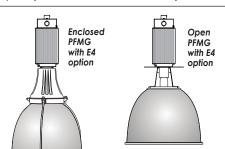
☐ **E1** Metrolight (standard ballast housing)

☐ **E2** Universal (standard ballast housing)

☐ E3 Venture (standard ballast housing)

☐ **E4** Advance Dynavision (see example shown at right)

> Note: Wet Location Listed (WL option) not available with E4 ballast.



Electronic ballast dimming options (specify in addition to E or E1, E2, E3 or E4).

☐ **BL50** Bi-Level (Hi-Low) dimming to 50% power

☐ **AD50** Analog (full range 0-50) dimming to 50% power

Leave blank to specify electronic ballast without dimming capability.

Dimming options for standard core and coil HID ballasts

☐ BL Bi-Level

socket

☐ CSR

☐ LQ

☐ LQ1

☐ LQ2

Requires 5-wire.

Not available with Electronic ballast options.

Bi-Level option provides high/low dimming levels of lamp output with 50% power consumption. Zero crossover network avoids strobing and lamp dropout.



Bi-Level Integral Control □ BLI(X) Offers individual fixture control.

Does not provide zero crossover switching.

(X) = S (Symmetric coverage) or A (Aisle coverage)

☐ **BLI(X)CT** Cold Tempterature Bi-Level Integral Control

(suitable for use in ambients to -29°C (-20°F)

Quartz Auxiliary / Emergency Lighting Systems

Note: Combined Quartz wattage may not exceed HID lamp wattage.

Standard 150 watt (120V) double contact bayonet base

Hot Quartz Restrike

Requires 5-wire.

Requires 5-wire.

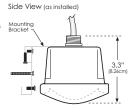
Hot/Cold Quartz Restrike

Separately wired (120V) Quartz Restrike

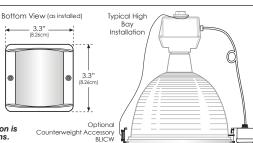
LQ and LQ1 combined in the same fixture

☐ BLICW Counter weight accessory Passive Infra-Red motion sensor step dims (up to 50%) individual fixtures based on occupancy under the

Integral 'Start-At-High' feature: Microprocessorbased design starts lamp at high for 15 minutes, to assure rated lamp life.



Note: Wet Location Listed option is not available with BLI options.



Litematic Operation

Main HID and auxiliary Quartz lamps both energized.





(LQ = LiteMatic Quartz)



Main Lamp Reaches Approximately 40% of Rated Output: Auxiliary Quartz lamp automatically extinguishes.

LQ1 and LQ2 require an Interlock (by others) to ensure HID and quartz source are not operated together.

Main Lamp Reaches Approximately 40% of Rated Output: Auxiliary Quartz lamp automatically extinguishes Combined lamp currents never exceed that of main lamp at 100% output. When Arc Extinguished:
After power interruption, auxiliary Quartz lamp is
automatically energized when power is restored and remains
on during run down, restrike and ramp up.

CSR: Quartz restrike using a current sensing relay At cold start / restrike, through Run Down. Extinguishes once main HID lamp strikes / restrikes

LQ: Provides LiteMatic T5HO Quartz auxiliary operation for fixtures with 120V or multi-tap ballasts. At cold start / restrike, through run down, restrike and ramp up. Extinquishes after HID lamp reaches approximately 40% light output

Separately wired, externally controlled Quartz Emergency Lighting from an auxiliary power source (generator, inverter, UPS).

Activation: Emergency (Black Out) conditions only. Extinguishes when main power is restored.

Combines the standard LQ and LQ1 systems to provide the ultimate in safety and security. LQ2:

At cold start / restrike, through run down, restrike and ramp up. Extinquishes after HID lamp reaches approximately 40% light output.

Emergency (Black Out) conditions only. Extinguishes when main power is restored.

□ PF-F1 Single fuse (120V/277V)

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

For Wet Location Listed units, consult factory for





☐ PF-F2 Double fuse (208V/240V/480V)

Note: If ordering QV ballast, voltage must be specified.

Remote mount ballast (with 3' SO cord)

Note: Fixture is not Wet Location Listed with RM option.

Ballast housing pre-wired to remote socket through a reflector hanger (hook male) with 3 ft. 16/3 SO cord.



ExceLine

□ RM





Performer Metal over Glass (Glass Lined) High Bay, 250-1000 watt HID

□ WL Must be pendant mounted Wet Location Dimensions on page 1. Available with Enclosed units only. ☐ LB Suggested for Less ballast (3/4" NPT stem required) use in retail Optics are pendant mounted on a swing plate. Includes wiring quick disconnect. stores or any See dimensions on page 1 for fixture nominal width. environment Note: Maximum Remote Ballast Distances apply. Consult factory. where aesthetics Remote mount units require 200C rated supply wire.
High temp wire nuts supplied for contractor splice connections. Available in wide distribution only. are a concern. If combined with Wet Location listing option, consult factory. LB option LB option Enclosed PFMG Open PFMG ☐ LRC Factory Installed 30" Lens Retainer Cable Illustration is typical of both LRC and ORC. (LRC is finer guage than ORC.) Optic Retainer Cable (standard with Wet Location) ☐ PB **Encapsulated Polyblock** SilentGuard ballast encapsulation of the core and coil assembly provides quiet operation, superior protection from moisture and corrosion and excellent heat dissipation properties. Requires alternate ballast housing, consult factory. **65** Specified for instances of typically higher ambient temperature operation. 65°C (149°F) High Ambient Ballast Note: Available with Open units only. ■ **50HZ** 50 Hz ballast operation *Consult factory.* Specified for applications (outside the U.S. where 50 Hertz operation is standard. Alternate Mounting options Note: * Units intended for use with HCP, H4, LCP or H5 options or accessories are not suitable for Wet Locations. Specify -WL versions of UPH-LCMP or TWB-EDP. ☐ HCP-(X)C-L(Y)20P* Unit is pre-wired with 3-conductor rubber jacketed cable and Hook, Cord and Plug, 3-Wire heavy duty (16/3) NEMA twist-lock plug, along with die-cast (Y) = 3-Wire NEMA voltage code: (X) = Cord length in feet hook with locking screw. 20A standard. 5=120V, 6=208/240V, 7=277V, 8=480V When specified with BL, LQ1 or LQ2, unit is pre-wired with 5-conductor rubber jacketed cable and heavy duty (16/5) NEMA ☐ HCP-(X)C-L2320P* Hook, Cord and Plug, 5-Wire twist-lock plug (L2320P), along with die-cast hook with locking (X) = Cord length in feet: 3, 6 or 10 screw. 20A standard. ☐ H4-HCP-L(Y)20P* Pendant Power Hook, 3-Wire (300V) with HCP Pendant Mounted Power Hook with NEMA receptacle. Prewired with Hook, Cord and Plug. **(Y)** = 3-Wire NEMA voltage code: 5=120V, 6=208/240V, 7=277V, 8=480V When specified with BL, LQ1 or LQ2, Pendant Mounted ☐ H4-HCP-L2320P* Pendant Power Hook, 5-Wire (600V) with HCP Power Hook has an L2320R NEMA receptacle. (5-wire) □ LCP-(X)C-L(Y)20P* Loop, Cord and Plug, 3-Wire Unit is pre-wired with 3-conductor rubber jacketed cable and heavy duty (16/3) NEMA twist-lock plug, with die-cast loop. 20A (Y) = 3-Wire NEMA voltage code: (X) = Cord length in feet standard. 5=120V, 6=208/240V, 7=277V, 8=480V When specified with BL, LQ1 or LQ2, unit is pre-wired with ☐ LCP-(X)C-L2320P* Loop, Cord and Plug, 5-Wire 5-conductor rubber jacketed cable and heavy duty (16/5) NEMA twist-(X) = Cord length in feet: 3, 6 or 10 lock plug (L2320P), with die-cast loop. 20A standard. ☐ H5-LCP-L(Y)20P* Power Hook, 3-Wire (300V) with LCP Power Hook with thru-wire provision contains a NEMA receptacle. Prewired with Loop, Cord and Plug. 5=120V, 6=208/240V, 7=277V, 8=480V **(Y)** = 3-Wire NEMA voltage code: When specified with BL, LQ1 or LQ2, Power Hook has ☐ H5-LCP-L2320P* Power Hook, 5-Wire (600V) with LCP an L2320R NEMA receptacle (5-wire). ☐ UPH-LCMP* Universal Power Hook 3-wire universal power hook module with thru-wire provisions UL listed as a primary load break device. ☐ UPH-LCMP-WL Universal Power Hook, Wet Location Listed Specify -WL version for use with Wet Location listed units. (includes special gasketing, suitable for Wet Locations) Note: Not available with Bi-Level option. Note: If ordering QV ballast, voltage must be specified. (3-wire only) Thru-wire box provides disconnect capability. UL ☐ TWB-EDP* Thru-wire box, 3-wire with disconnect listed as a primary load break device. TWB-EDP-WL Thru-wire box, 3-wire w/disconnect, Wet Location Listed 5-wire version required if specified in conjunction

ExceLine

☐ TWB-ED5P*



Note: If ordering QV ballast, voltage must be specified.

(includes special gasketing, suitable for Wet Locations)

(includes special gasketing, suitable for Wet Locations)

Thru-wire box, 5-wire with disconnect

TWB-ED5P-WL Thru-wire box, 5-wire w/disconnect, Wet Location Listed

with BL, LQ1 or LQ2 option.

listed units.

Specify -WL version for use with Wet Location

Performer Metal over Glass (Glass Lined) High Bay, 250-1000 watt HID

Accessories (Field Installed - Shipped Separately)

ballast fusing accessories

☐ PF-F2-Kit

☐ PF-F1-Kit Single Fuse Kit, 120 / 277V Consists of 1 or 2 fuse holders and 1 or 2 KTK 30 amp fuses. Field

installed on wiring access plate.

Must be factory installed when ordered with pre-wired LCP or HCP.





* Wet Location Listing is not available for units installed with the standard Performer series fuse kit accessory. Note:

alternate mounting accessories

* Wet Location Listing is not available for units installed with HCP, LCP, H4, H5, TWB, HM or LM accessories. Note:

☐ HCP-(X)C-L(Y)20P* Hook, Cord and Plug, 3-Wire (X) = Cord length in ft (Y) = 3-Wire NEMA voltage code: **5**=120V, **6**=208/240V, **7**=277V, **8**=480V

Double Fuse Kit, 208 / 240 / 480V

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

☐ H4* Pendant Power Hook, 3-Wire

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

H4 Pendant Mounted Power Hook (3-wire) with L9-20R NEMA receptacle. When specified for a unit with BL, LQ1 or LQ2, the 5-wire version with an

When specified for a unit with BL, LQ1 or LQ2, the 5-conductor rubber

jacketed cable and heavy duty (16/5) NEMA twist-lock plug (L2320P),

with die-cast hook with locking screw is required. 20A standard. (5-wire)

3-conductor rubber jacketed cable and heavy duty (16/3) NEMA

lock plug as specified, with die-cast hook with locking screw.

L2320R NEMA receptacle (H4-5W) is required. Used with corresponding Hook, Cord and Plug.

with die-cast loop is required. 20A standard. (5-wire)

Loop, Cord and Plug, 3-Wire ☐ LCP-(X)C-L(Y)20P* 3-conductor rubber jacketed cable and heavy duty (16/3) NEMA twist-lock plug, with die-cast loop. 20A standard. (3-wire) (X) = Cord length in ft (Y) = 3-Wire NEMA voltage code: When specified for a unit with BL, LQ1 or LQ2, the 5-conductor rubber 5=120V, 6=208/240V, 7=277V, 8=480V

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

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

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

Thru-wire box

H5 Power Hook (3-wire) with thru-wire provision contains a L9-20R NEMA receptacle.

jacketed cable and heavy duty (16/5) NEMA twist-lock plug (L2320P), along

When specified for a unit with BL, LQ1 or LQ2, the 5-wire version with an L2320R NEMA receptacle (H5-5W) is required.

Used with corresponding Loop, Cord and Plug.



mounting extras

□ TWB*

☐ HM* Hook Male

☐ LM*

Loop

Male



☐ JA75 Joint Aligner

50 lb. maximum allowed.

☐ SH75 Swivel Hanger

50 lb. maximum allowed if hung from junction box.



☐ BRC(X)-PF

Ballast Retainer Chain (X) = Chain length in feet: 3, 5, 7, or 10



LRC 30"Lens Retainer Cable

ORC Optic Retainer Cable

ORC accessory available for Open If ORC is desired on a standard enclos

(non-wet location) unit, it must be specified as a factory installed option.

☐ WG-160-PFG

Bottom Wireguard for 16" open fixture

☐ WG-16E-PFG

Bottom Wireguard for 16" enclosed fixture

☐ WG-220-PFG ☐ WG-22E-PFG

Bottom Wireguard for 22" open fixture Bottom Wireguard for 22" enclosed fixture

Recommended for use in gymnasiums and similar facilities.

Provides protection of the lamp in open units and of the lower lens in enclosed units



☐ WG-PF-CAGE-25

Full Wirequard

For maximum endurance in active environments the glass reflector (entire optic) may be protected by a wiregurd.



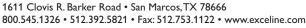
☐ TWA

Twin Hanger Adapter

For mounting two fixtures directly to extrusion arm.













Performer Metal over Glass (Glass Lined) High Bay, 250-1000 watt HID

Notes



