Performer Glass High Bay, 250-1000 watt HID

APPLICATIONS

Job. Name

 Applications include light 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 open unit is
constructed to IP22. Standard open optic unit is constructed to IP22. Standard enclosed
optic unit is constructed to IP52. Wet Location unit is constructed to IP54. With Less Ballast
option, unit is constructed to IP52.

OPTICS

• The optical assembly consists of a prismatic reflector of borosilicate glass. An uplight component gives fill light on ceiling surfaces to improve the quality of the lighting environment. 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 which is easily accessed by removal of one captive screw. Between the ballast and the glass reflector, a dust cap encloses the upper optics and features a white UltraClad finish. With Wet Location option, the optical assembly consists of the glass reflector, assembled with a die-cast neck and wire frame with a white UltraClad finish. Require the use of mogul-based lamps.

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 Acrylic High Bay luminaires require the use of mogul-based lamps.

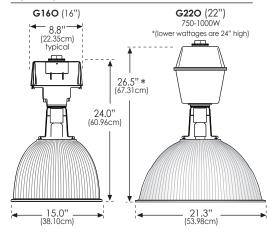
MOUNTING

 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.

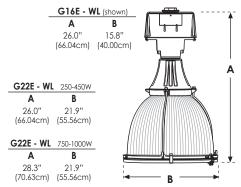
Open Optics



Enclosed Optics

	G16E (16")	G22E (22")	
Α	24.5" (62.23cm)	26.75" (67.95cm)	
В	15.5" (39.37cm)		A
m	: G22E dimen aximum heigh or higher wath '50-1000W).	nt required	
10	ver wattage (nits, dimension ime as typical	A is the	B →

Enclosed Optics - Wet Location Option



See Page 2 for Ordering Information





Performer Glass High Bay, 250-1000 watt HID





Series/Source-Wattage	Optics (5)	Voltage		
Metal Halide (1)	□ G16O	□ 120		
☐ PFM-1000 ⁽³⁾	16" Glass High Bay Open Construction	□ 208		
Pulse Start Metal Halide (2)	□ G22O	□ 240		
☐ PFP-320	22" Glass High Bay Open Construction	□ 277		
☐ PFP-350		□ 480		
□ PFP-400 □ PFP-450	☐ G16E			
☐ PFP-450	16" Glass High Bay Enclosed Construction	QV Quad voltage ballast, Allows		
☐ PFP-750 (3)		field selection of 120/208/240/277		
☐ PFP-1000 ⁽³⁾	☐ G22E	voltage.		
High Pressure Sodium (4)	22" Glass High Bay Enclosed Construction			
☐ PFS-250				
☐ PFS-400				
☐ PFS-750 ⁽³⁾				
☐ PFS-1000 ⁽³⁾				

- 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.
- 3) 750W and 1000W units are only available with 22" optics.
 22" Open optics require Open Rated lamps as follows:
 MH units use BT56 coated lamps; HPS units use E25 clear lamps.
 At time of publication, open rated 750W and 1000W PSMH lamps are not available. 750W and 1000W Pulse Start units are not available with Open optics.
- 750W units: 22" Enclosed PSMH units use BT37 coated lamps, HPS units use BT37 clear lamps.
- 1000W units: 22" Enclosed MH/PSMH units require BT37 clear lamps, HPS units use BT37 twin arc tube clear lamps. 750W and 1000W units are available in Narrow Distribution and 22" optics only.
- 1000W Wet Location units: MH units use BT56 Coated lamps, HPS units use E25 clear lamps.
- 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	Catalog	Optics	Lamp Characteristics		ies ⁽³⁾	ANSI	Line Current	Line	LER (4,5)			
Type ⁽²⁾	Number	Dia.	Open	Enclosed	File Name	Code	120 / 208 / 240 / 277 / 480	Watts	ON	OW	EN	EW
МН	ILXM-1000	22"	BT56 Coated	BT37 Clear (6)	pgm10L*.ies	M47 / H36	9.2 / 5.6 / 4.7 / 4.1 / 2.4	1080	81.0	NA	79.3	NA
PS	PFP-250	16" 22"	BT37 Coated BT37 Coated	BT37 Coated BT37 Coated	pgpc25S*.ies pgpc25L*.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	pgpc35S*.ies pgpc35L*.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	pgpc40S*.ies pgpc40L*.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	pgpc45S*.ies pgpc45L*.ies	M144	4.4 / 2.6 / 2.2 / 1.9 / 1.1	509	66.2 78.0	63.7 82.9	60.8 73.3	56.7 74.1
	PFP-750	22"	NA	BT37 Coated	pgpc75LN.ies	M149	7.0 / 4.0 / 3.5 / 3.0 / 2.0	818	NA	NA	74.7	NA
	PFP-1000	22"	NA	BT37 Clear	pgp10LN.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	pgs25S*.ies	S50	2.7 / 1.5 / 1.3 / 1.2 / 0.7	310	80	63.6	62.3	60.7
	PFS-400	16" 22"	E18 Clear E18 Clear	E18 Clear E18 Clear	pgs40S*.ies pgs40L*.ies	S51	3.9 / 2.3 / 2.1 / 1.7 / 1.0	465	97 98	70.6 100.2	69.2 89.9	67.4 92.2
	PFS-750	22"	BT37 Clear	BT37 Clear	pgs75L*.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 ⁽⁶⁾ Twin Arc Tube	pgs10l*.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 Glass High Bay Series can accommodate 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.
- 8) 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.
- Wet Location (Enclosed with WL option) 1000W MH units use BT56 Coated lamps. Wet Location 1000W HPS units use E25 Clear Lamps.



PT#: EXSP055A0712



⁴⁾ Open construction is standard for Performer Series HPS units;

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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.

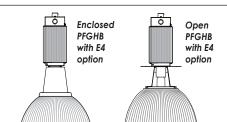
☐ **E1** Metrolight (standard ballast housing)

☐ **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

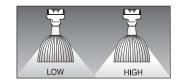
Leave blank to specify electronic ballast without dimming capability.

Dimming options for standard core and coil HID ballasts

☐ BL Bi-Level 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.

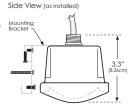
> (X) = S (Symmetric coverage) or A (Aisle coverage)

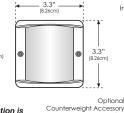
☐ **BLI(X)CT** Cold Tempterature Bi-Level Integral Control

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

☐ 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.





Bottom View (as installed)



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

Quartz Auxiliary / Emergency Lighting Systems

Note: Combined Quartz wattage may not exceed HID lamp wattage. Standard 150 watt (120V) double contact bayonet base socket

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

☐ CSR Hot Quartz Restrike

☐ LQ Hot/Cold Quartz Restrike

□ LQ1 Separately wired (120V)

Quartz Restrike Requires 5-wire.

☐ LQ2 LQ and LQ1 combined

in the same fixture

Requires 5-wire.

Litematic Operation (LQ = LiteMatic Quartz)

Main HID and auxiliary Quartz lamps both energized.







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

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).

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

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

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)

☐ PF-F2 Double fuse (208V/240V/480V)

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

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

For Wet Location Listed units, consult factory for





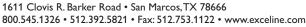
□ RM Remote mount ballast (with 3' SO cord)

> 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











Performer Glass High Bay, 250-1000 watt HID

□ WL Wet Location Must be pendant mounted Dimensions on page 1.

Comes standard with Optic Retainer Chain.



☐ LB Less ballast (3/4" NPT stem required)

Optics are pendant mounted on a swing plate. Includes wiring quick disconnect.

See dimensions on page 1 for fixture nominal width.

Note: Maximum Remote Ballast Distances apply. Consult factory.

Remote mount units require 200C rated supply wire. High temp wire nuts supplied for contractor splice connections. Available in wide distribution only.

If combined with Wet Location listing option, consult factory.

Suggested for use in retail stores or any environment where aesthetics are a concern.



☐ LRC Factory Installed 30" Lens Retainer Cable

Optic Retainer Cable (standard with Wet Location) and ORC. (LRC is finer guage than ORC.)

SilentGuard ballast encapsulation of the core and coil assembly provides quiet operation, superior

Illustration is typical of both LRC



□ PB **Encapsulated Polyblock**

Requires alternate ballast housing, consult factory.

protection from moisture and corrosion and excellent heat dissipation properties. Specified for instances of typically higher ambient temperature operation.

65 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*

Hook, Cord and Plug, 3-Wire

(X) = Cord length in feet **(Y)** = 3-Wire NEMA voltage code:

5=120V, 6=208/240V, 7=277V, 8=480V

☐ 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 BL, LQ1 or LQ2, 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 5=120V, 6=208/240V, 7=277V, 8=480V (Y) = 3-Wire NEMA voltage code:

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

Pendant Mounted Power Hook with NEMA receptacle. Prewired with Hook, Cord and Plug.

When specified with BL, LQ1 or LQ2, Pendant Mounted Power Hook has an L2320R NEMA receptacle. (5-wire)



□ LCP-(X)C-L(Y)20P* (X) = Cord length in feet Loop, Cord and Plug, 3-Wire

(Y) = 3-Wire NEMA voltage code: 5=120V, 6=208/240V, 7=277V, 8=480V

☐ 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

When specified with BL, LQ1 or LQ2, unit is pre-wired with 5-conductor rubber jacketed cable and heavy duty (16/5) NEMA twistlock 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: 5=120V, 6=208/240V, 7=277V, 8=480V

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

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

When specified with BL, LQ1 or LQ2, Power Hook has an L2320R NEMA receptacle (5-wire).





☐ UPH-LCMP* Universal Power Hook

☐ UPH-LCMP-WL Universal Power Hook, Wet Location Listed (includes special gasketing, suitable for Wet Locations)

Note: If ordering QV ballast, voltage must be specified. (3-wire only)

3-wire universal power hook module with thru-wire provisions UL listed as a primary load break device. Specify -WL version for use with Wet Location listed units.

Note: Not available with Bi-Level option.



☐ TWB-EDP* Thru-wire box, 3-wire with disconnect

TWB-EDP-WL Thru-wire box, 3-wire w/disconnect, Wet Location Listed (includes special gasketing, suitable for Wet Locations)

☐ TWB-ED5P* Thru-wire box, 5-wire with disconnect

☐ TWB-ED5P-WL Thru-wire box, 5-wire w/disconnect, Wet Location Listed (includes special gasketing, suitable for Wet Locations)

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

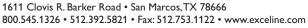
Thru-wire box provides disconnect capability. UL listed as a primary load break device.

5-wire version required if specified in conjunction with BL, LQ1 or LQ2 option.

Specify -WL version for use with Wet Location listed units.















Performer Glass High Bay, 250-1000 watt HID

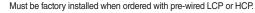
Accessories (Field Installed - Shipped Separately)

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.







* 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.

☐ 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

Loop, Cord and Plug, 3-Wire ☐ LCP-(X)C-L(Y)20P* (X) = Cord length in ft (Y) = 3-Wire NEMA voltage code: 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

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

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)

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

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

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

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



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

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.



□ TWB* Thru-wire box



mounting extras

☐ 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 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

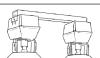
For maximum endurance in active environments the glass reflector (entire optic) may be protected by a wiregurd.



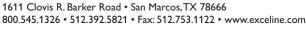
☐ TWA

Twin Hanger Adapter

For mounting two fixtures directly to extrusion arm.





















Performer Glass High Bay, 250-1000 watt HID

Notes



