Type No	
Catalog No.	

Performer Metal High Bay, 250-1000 watt HID

APPLICATIONS

Job. Name

 Applications include industrial facilities, manufacturing plants, foundries and forges, distribution centers, indoor tennis courts, 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 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 IP54.

OPTICS

• Computer designed 18" (450W and below) and 22" (1000W) diameter stepped optics. Reflector is spun from high purity, chemically brightened and anodized aluminum. Open reflector shall have self-cleaning ventilated design for natural flow of air to reduce collection of contaminants on reflector wall and lamp. Die-embossed yoke provides positive mounting of open reflector. Enclosed and gasketed reflector shall have bottom lens and dust cap to prevent airborne contaminants from entering the optical chamber. Narrow (N) or Wide (W) distribution available to suit the lighting criteria for a given space. Tempered glass is standard or when lamp manufacturer's data recommends "use in suitably enclosed fixture." Patented 5 mil FEP Teflon lens is optional (transmits 5% more light than clear glass.) Units with Teflon lens alone require the use of Open Rated 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 High Bay luminaires require the use of mogul-based lamps.

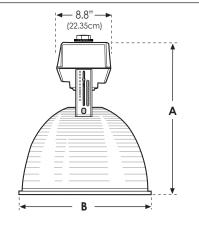
MOUNTING

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

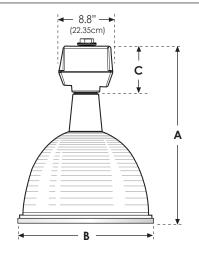
WARRANTY/LISTINGS

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

Open Optics



Enclosed Optics



18" optics (450W and Below)

	NARROW	WIDE
Α	21.0" - 22.3" (53.34cm - 56.52cm)	19.8" - 21.0" (50.17cm - 53.34cm)
В	18.0" (45.72cm)	18.0" (45.72cm)
С	8.5" (21.59cm)	8.5" (21.59cm)

22" optics (1000W)

	NARROW	WIDE
Α	28.0" - 28.5" (71.12cm - 72.39cm)	27.8" - 28.3" (70.49cm - 71.76cm)
В	22.0" (55.88cm)	22.0" (55.88cm)
С	11.0" (27.94cm)	11.0" (27.94cm)

See Page 2 for Ordering Information





Performer High Bay, 250-1000 watt HID

Performer High Bay





Series/Source-Wattage	Optics (Voltage	
Metal Halide (1)	□ NO ⁽³⁾	Narrow distribution	□ 120
□ PFM-1000 ⁽⁴⁾	□ wo®	Open construction Wide distribution	□ 208
Pulse Start Metal Halide (2)	D WO	Open construction	□ 240
☐ PFP-250 ☐ PFP-320	□ NE	Narrow distribution	□ 277
□ PFP-350	□ WE	Enclosed construction, clear glass lens Wide distribution	□ 480
☐ PFP-400	D WE	Enclosed construction, clear glass lens	□ QV
☐ PFP-450			Quad voltage ballast.
☐ PFP-1000 ⁽³⁾	☐ NTE	Narrow distribution Enclosed construction with Teflon lens	Allows field selection
High Pressure Sodium (4)		(requires the use of Open Rated Lamps)	of 120/208
☐ PFS-250	□ WTE	Wide distribution Enclosed construction with Teflon lens	/240/277 voltage.
☐ PFS-400		(requires the use of Open Rated Lamps)	
☐ PFS-1000			

- 1) 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. Do not use any other base
- 3) At time of publication, a 1000 watt Pulse Start Metal Halide open rated lamp is not available. Consequently, open optics are not available in 1000 watt Pulse Start units.
- 4) Open construction is standard for Performer Series HPS; consult factory for Enclosed construction.

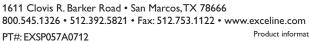
Distribution Guide and Ballast Data (1)

Source Type ⁽²⁾	Catalog Number	Lamp (3) Envelope	Optics Diameter	Spa N	cing ⁽⁴⁾ W	ies ⁽⁵⁾ File Name	Ballast Type (6)	ANSI Code	Line Current 120 / 208 / 240 / 277 / 480	Line Watts	NO	wo	ER ⁽⁷⁾ NE	WE
МН	PFM-1000	BT56	22"	1.0	1.6	pfm100(*)(x).ies	CWA	M47 / H36	9.2 / 5.6 / 4.7 / 4.1 / 2.4	1080	85	85	80	78
PS	PFP-250	BT / ED37	18"	1.5	2.0	pfp25(*)(x).ies	CWA	M138 / M153	2.8 / 1.5 / 1.3 / 1.1 / 0.6	298	73	74	67	64
	PFP-320	BT / ED37	18"	1.5	2.0	pfp32(*)(x).ies	CWA	M132 / M154	3.3 / 1.9 / 1.7 / 1.4 / 0.8	368	73	74	67	64
	PFP-350	BT / ED37	18"	1.5	2.0	pfp35(*)(x).ies	CWA	M131	3.7 / 2.1 / 1.8 / 1.6 / 0.9	400	74	72	68	65
	PFP-400	BT / ED37	18"	1.5	2.0	pfp40(*)(x).ies	CWA	M135 / M155	4.0 / 2.3 / 2.0 / 1.8 / 1.0	456	77	75	70	67
	PFP-450	BT / ED37	18"	1.5	2.0	pfp45(*)(x).ies	CWA	M144	4.4 / 2.6 / 2.2 / 1.9 / 1.1	509	81	78	73	70
	PFP-1000	BT37	22"	1.0	1.7	pfp100(*)(x).ies	CWA	M141	9.2 / 5.3 / 4.6 / 4.0 / 2.4	1080	NA	NA	82	81
HPS	PFS-250	E18	18"	1.1	1.7	pfs25(*)(x).ies	CWA	S50	2.7 / 1.5 / 1.3 / 1.2 / 0.7	310	79	80	70	70
	PFS-400	E18	18"	1.1	1.7	pfs40(*)(x).ies	CWA	S51	3.9 / 2.3 / 2.1 / 1.7 / 1.0	465	94	95	86	85
	PFS-1000	BT37	22"	1.2	2.2	pfs100(*)(x).ies	CWA	S52	9.5 / 5.5 / 4.8 / 4.2 / 2.4	1100	102	102	93	94

Distribution Guide and Ballast Data Notes:

- 1) The Performer High Bay Series can accommodate other wattages and lamps.
- Consult factory. 2) MH = Metal Halide, PS = Pulse Start Metal Halide, HPS = High Pressure Sodium.
- 3) Clear lamps are recommended to provide optimum photometric performance.
- 4) N = Narrow; W = Wide (Distribution for both open and enclosed & gasketed fixtures).
- N (Narrow distribution), or W (Wide distribution); Replace (x) with: O (Open construction), or E (Enclosed construction).
- 6) CWA = Constant Wattage Autotransformer.
- 7) Calculated in accordance with NEMA Standard LE-5B.







Performer 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.

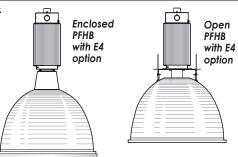
☐ **E1** Metrolight (standard ballast housing)

☐ **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

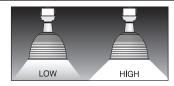
Leave blank to specify electronic ballast without dimming capability.

Dimming options for standard core and coil HID ballasts

☐ BL Bi-Level 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)

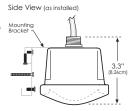
☐ **BLI(X)CT** Cold Tempterature Bi-Level Integral Control

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

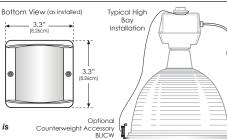
Quartz Auxiliary / Emergency Lighting Systems

☐ 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

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.

LQ and LQ1 combined ☐ LQ2

in the same fixture Requires 5-wire.

(LQ = LiteMatic Quartz)

Normal Start: 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.
Extinguishes 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 or Sanitation 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 High Bay, 250-1000 watt HID

□ LB Less ballast (3/4" NPT stem required) Optics are pendant mounted on a swing plate. Includes wiring quick disconnect. Suggested for use in retail stores or any environment where aesthetics are a concern.		18" optics (450W max) 22" optics (1000W max) NARROW WIDE NARROW WIDE A 12.5"-13.75" 11.25"-12.5" 19.5"-20.0" 19.25"-19.75" (49.53-50.8cm) (48.90-50.17cm) B 18.0" (45.72cm) 22.0" (55.88cm)				
	Remote Ballast Distances apply. Consult factory. ed with Wet Location listing option, consult factory.	22.0 (3550Cm)	;			
☐ LP	Low Profile mounting	Ballast housing pre-wired to remote socket through extrusion arm.				
	Note: Unit installed with LP option is not Wet Location or Sanitation Listed.					
□ PB Requires	Encapsulated Polyblock alternate ballast housing, consult factory.	SilentGuard ballast encapsulation of the core and coil assembly provides quiet operation, superior protection from moisture and corrosion and excellent heat dissipation properties.				
□ WL	Wet Location Listed	Available for enclosed units only. Requires conduit mounting.				
□ SL	Sanitation Listed Note: Required for NSF Listing	Open units are NSF Listed for Non-Food zones only. Enclosed units are NSF listed for Splash and Non-Food zones. (NSF listing indicates compliance to a level of cleanability.)				
□ 50HZ	50 Hz ballast operation Consult factory.	Specified for applications (outside the U.S. where 50 Hertz operation is standard.				
□ 65	65°C (149°F) High Ambient Ballast Note: Available with Open units only.	Specified for instances of typically higher ambient temperature operation.				

Alternate Mounting options

Alternate Mounting options	
Note: * Units intended for use with HCP, H4, LCP or H5 options or accessories are no	t 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:	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.
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	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 (Y) = 3-Wire NEMA voltage code: 5=120V, 6=208/240V, 7=277V, 8=480V	Pendant Mounted Power Hook with NEMA receptacle. Pre-wired with Hook, Cord and Plug. When specified with BL, LQ1 or LQ2, Pendant
☐ H4-HCP-L2320P* Pendant Power Hook, 5-Wire (600V) with HCP	Mounted Power Hook has an L2320R NEMA receptacle. (5-wire)
☐ LCP-(X)C-L(Y)20P* Loop, 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	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.
LCP-(X)C-L2320P* Loop, Cord and Plug, 5-Wire (X) = Cord length in feet: 3, 6 or 10	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), 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	Power Hook with thru-wire provision contains a NEMA receptacle. Prewired with Loop, Cord and Plug.
☐ H5-LCP-L2320P* Power Hook, 5-Wire (600V) with LCP	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	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.

(includes special gasketing, suitable for Wet Locations)

(includes special gasketing, suitable for Wet Locations)

(includes special gasketing, suitable for Wet Locations)

Thru-wire box, 3-wire with disconnect

Thru-wire box, 5-wire with disconnect

☐ **TWB-EDP-WL** Thru-wire box, 3-wire w/disconnect, Wet Location Listed

 $\hfill\Box$ TWB-ED5P-WL Thru-wire box, 5-wire w/disconnect, Wet Location Listed

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

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

Specify -WL version for use with Wet Location listed units. Note: Not available with Bi-Level option.

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.





PT#: EXSP057A0712

☐ TWB-EDP*

☐ TWB-ED5P*

Product information is subject to change without notice

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

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

Note: * 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 feet (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

☐ LCP-(X)C-L(Y)20P* Loop, 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

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

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

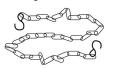
junction box.



☐ BRC(X)-PF

Note: Unit is not Sanitation Listed with this accessory.

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



□ ORC

30"Optic Retainer Cable



☐ WG-(XX)-PF

(XX = 18 or 22)

Bottom Wirequard

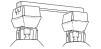
Note: Unit installed with wireguard is not Sanitation Listed.

Recommended for use in gymnasiums and similar facilities.

□ TWA Twin Hanger Adapter

Note: Unit installed with TWA accessory is not Sanitation Listed.

For mounting two fixtures directly to extrusion arm.



□ RDS-18 □ RDS-22 Round decorative shroud for 18" optic (450W max)

Round decorative shroud for 22" optic (1000W)

Contemporary decorative housing that encloses the fixture.



ExceLine



Performer High Bay, 250-1000 watt HID

Notes



