Type No	
Catalog No	

Performer Acrylic High Bay, 175-1000 watt HID

APPLICATIONS

Job. Name

• Applications include industrial facilities, manufacturing plants, retail, distribution centers, indoor sports facilities, and cafeterias.

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 enclosed unit is constructed to IP52. Wet Location unit is constructed to IP54. With Less Ballast option, unit is constructed to IP54.

- The prismatic refractor is injection molded from UV stabilized acrylic and provides high angle vertical footcandle values while maintaining low brightness lighting.
- Open optics feature a 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 reflector. The A19O unit's yoke features a white UltraClad finish. Open units are available with 19", 22" or 25" diameter refractors.
- Enclosed optical assembly consists of the upper prismatic refractor and a permanently sealed Conical or Dropped refractive lens. 22" Enclosed Units are available with either a Conical or a Dropped Lens. 25" units are available with Dropped Lens only. Enclosed units feature a hinged and gasketed optical assembly held in place by a heavy-duty stainless steel high-compression latch. Enclosed optics feature a cap finished in white UltraClad polyester powder coat, electrostatically applied and oven cured.

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

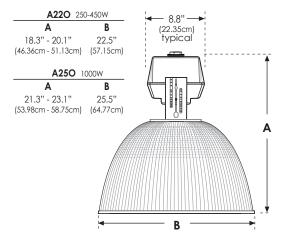
• Cast aluminum nut and hub is standard for quick, positive mounting to 3/4" NPT or NPSM conduit

WARRANTY/LISTINGS

• Standard 5 Year Limited Warranty. UL/cUL Listed luminaire, UL 1598, suitable for Damp Locations, Wet Location option available. NSF Sanitation Listing available. The quality systems of this facility have been registered by UL to the ISO 9000 Series Standards.

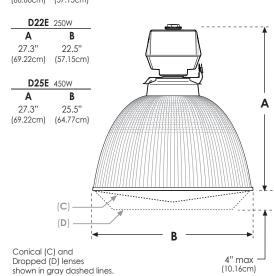
Open Optics





Enclosed Optics

C22E	250W
Α	В
26.3"	22.5"
(66.68cm)	(57.15cm)



See Page 2 for Ordering Information





Voltage

120

208

240

277

480

□ QV

Quad

voltage

ballast.

Allows field

selection

/240/277

voltage.

of 120/208

Performer Acrylic High Bay, 175-1000 watt HID

19" Acrylic prismatic reflector - Open (5)

22" Acrylic prismatic reflector - Open

25" Acrylic prismatic reflector - Open (6)

☐ C22E 22" Acrylic prismatic reflector -

☐ **D22E** 22" Acrylic prismatic reflector -

☐ D25E 25" Acrylic prismatic reflector -

400W

25°C 40°C 55°C

na na na na na

na

enclosed with Conical lens

enclosed with Dropped lens

enclosed with Dropped lens

Ambient Temperature Limits

250W

25°C 40°C 55°C

na na

na

na

Optics

□ A190

□ A220

□ A250

A190

A220

A250

C22E

D22E

D25E







- D22E
- exclusionary lamp base (EX39) only. Do not use any other base

Series/Source-Wattage

□ PFM-1000 ⁽⁴⁾

☐ PFP-175

□ PFP-200

☐ PFP-250

□ PFP-350

□ PFP-400

□ PFP-450

☐ PFS-250

☐ PFS-400

□ PFS-1000 ⁽⁴⁾

High Pressure Sodium (3)

Pulse Start Metal Halide (2)

Metal Halide (1)

- Open construction is standard for Performer Series HPS; consult factory for Enclosed construction.
- 4) Suitable for use with 25" Open Reflector only. See note 6.

na na

450W

25°C 40°C 55°C

na

na

1000W

25°C

na

na

na

na

na

- Field adjustable: Narrow or Wide Distribution.
- Suitable for 1000W MH or HPS. At time of publication no open rated 1000W PSMH lamp is available.

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

Distribution Guide and Ballast Data (1)

	Spacing Criteria (4)										LER (4, 6)						
Source Type (2,3)	Catalog Number	Optics Dia.	Lamp Envelope	<u>19" op</u> N	en only W	<u>22"/25"</u> O	<u>22"</u> C	<u>22"/25"</u> D	.ies File Name ⁽⁵⁾	ANSI Code	Line Current 120 / 208 / 240 / 277 / 480	Line Watts	19" opei NO	n only WO	<u>22"/25"</u> O	22" C	<u>22"/25"</u> D
МН	PFM-1000	25"	BT56	N/A	N/A	1.6	N/A	N/A	pam1025o.ies	M47 / H36	9.2 / 5.6 / 4.7 / 4.1 / 2.4	1080	N/A	N/A	91	N/A	N/A
PS	PFP-175	19" 22"	BT/ED28 BT/ED28	N/A	N/A	N/A	N/A	N/A	ap1719o(*).ies pap1722(*).ies	M137 / M152	2.0 / 1.1 / 0.9 / 0.8 / 0.5	220	N/A	N/A	N/A	N/A	N/A
	PFP-200	19" 22"	BT/ED28 BT/ED28	N/A	N/A	N/A	N/A	N/A	ap2519o(*).ies pap2522(*).ies	M136	2.2 / 1.3 / 1.1 / 1.0 / 0.5	240	N/A	N/A	N/A	N/A	N/A
	PFP-250	19" 22"	BT/ED28 BT/ED28	1.2 N/A	1.9 N/A	N/A 2.1	N/A 2.1	N/A 2	ap2519o(*).ies pap2522(*).ies	M138 / M153	2.8 / 1.5 / 1.3 / 1.2 / 0.6	298	76 N/A	77 N/A	N/A 81	N/A 75	N/A 80
	PFP-350	19" 22"	BT/ED37 BT/ED37	1.4 N/A	2 N/A	N/A 2.1	N/A 2.1	N/A 2	ap3519o(*).ies pap3522(*).ies	M131	3.7 / 2.1 / 1.8 / 1.6 / 0.9	400	81 N/A	82 N/A	N/A 83	N/A 77	N/A 82
	PFP-400	19" 22" 25"	BT/ED37 BT/ED37 BT/ED37	1.4 N/A N/A	2 N/A N/A	N/A 2.1 1.1	N/A 2.1 N/A	N/A 2 1.6	ap4019o(*).ies pap4022(*).ies pap4025(*).ies	M135 / M155	4.0 / 2.2 / 1.9 / 1.8 / 1.0	456		84 N/A N/A	N/A 86 82	N/A 79 N/A	N/A 85 85
	PFP-450	19" 22" 25"	BT/ED37 BT/ED37 BT/ED37	1.4 N/A N/A	2 N/A N/A	N/A 2.1 1.1	N/A 2.1 N/A	N/A 2 1.6	ap4519o(*).ies pap4522(*).ies pap4525(*).ies	M144	4.4 / 2.6 / 2.2 / 1.9 / 1.1	514		85 N/A N/A	N/A 86 85	N/A N/A N/A	N/A 85 85
HPS	PFS-250	19" 22"	ED18 E18	1.1 N/A	1.9 N/A	N/A 2.2	N/A 2.1	N/A 1.7	as2519o(*).ies pas2522(*).ies	S50	2.7 / 1.6 / 1.3 / 1.2 / 0.7	310	83 N/A	85 N/A	N/A 89	N/A 80	N/A 80
	PFS-400	19" 22" 25"	ED18 E18 E18	2 N/A N/A	2.6 N/A N/A	N/A 2.5	N/A 2.1 N/A	N/A 1.7 2	as4019o(*).ies pas4022(*).ies pas4025(*).ies	S51	4.1 / 2.5 / 2.1 / 1.9 / 1.1	467	87 N/A N/A	88 N/A N/A	N/A 84	N/A 89 N/A	N/A 89 95
	PFS-1000	25"	E25	N/A	N/A	1.6	N/A	N/A	pas1025o.ies	S52	9.5 / 5.5 / 4.8 / 4.2 / 2.5	1100	N/A	N/A	122	N/A	N/A

Distribution Guide and Ballast Data Notes:

- 1) The Performer Acrylic High Bay Series can accommodate other wattages and lamps. Consult factory.

 MH = Metal Halide w/ CWA ballast. PS = Pulse Start Metal
- Halide with CWA ballast, HPS = High Pressure Sodium with CWA
- Open rated lamps are required. Phosphor coated lamps are recommended for MH and PS units to provide
- optimum uniformity. Clear lamps are recommended for all HPS. Data reflects these recommendations.
- = 19" Open (Narrow Distribution); Optics: N
 - w
 - 19" Open (Wide Distribution);
 Open (22" or 25");
 Enclosed with Conical Lens (22" only);
 Enclosed with Drop Lens (22" or 25").
- 5) For 19" Open units only: replace (*) with either N for Narrow Distribution, or W for Wide Distribution; For 22" or 25" Open units only: replace (*) with C For 22" en 25" Enclosed Conical units only: replace (*) with C replace (*) with D replace (*) with O; replace (*) with C; replace (*) with D.
- (6) Calculated in accordance with NEMA Standard LE-5B. Consult factory for additional information.







Performer Acrylic High Bay, 175-1000 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.

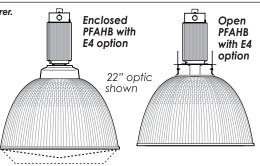
☐ **E1** Metrolight (standard ballast housing)

☐ **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

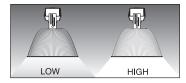
Leave blank to specify electronic ballast without dimming capability.

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.

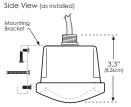
> (X) = S (Symmetric coverage) or A (Aisle coverage)

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

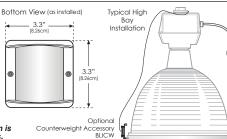
(suitable for use in ambients to -29°C (-20°F)

□ 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.



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)

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 Acrylic High Bay, 175-1000 watt HID

	Optics are Includes v Suggested aesthetics Note: Not a Maximum F	for use in retail stores or any environment where are a concern.	C22E (22"enclosed w/Conica D22E (22"enclosed w/Drop L D25E (25"enclosed w/Drop L	Lens) 18.25" (46.36cm)	400W - 450W C dimension 19.00" (48.26cm) 20.00" (50.80cm) 20.50" (52.07cm)	0.5" (1.27cm) Consult chart for C dimension C			
	LP	Low Profile mounting Note: Unit installed with LP option is not Wet Location or Sanitation Listed.	Ballast housing pre-wired to remote socket through extrusion arm.						
	PB Requires a	Encapsulated Polyblock Iternate ballast housing, consult factory.		ncapsulation of the core a ture and corrosion and exc		es quiet operation, superior properties.			
	WL	Wet Location Listed	Available for enclose	d units only. Requires con	duit 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 applicat	tions (outside the U.S. who	ere 50 Hertz operation is	s standard.			
Alte	rnate Mo	unting options							
Not	e: * Units in	tended for use with HCP, H4, LCP or H5 options of	r accessories are not su	uitable for Wet Locations.	Specify -WL versions of	of UPH-LCMP or TWB-EDP.			
	(X) = Cord (Y) = 3-W HCP-(X)	C-L(Y)20P* Hook, Cord and Plug, 3-Wired length in feet irre NEMA voltage code: 5=120V, 6=208/240V,7=277V, 8=480V C-L2320P* Hook, Cord and Plug, 5-Wired length in feet: 3, 6 or 10		Unit is pre-wired with 3-cor heavy duty (16/3) NEMA to hook with locking screw. 20 When specified with BL, I 5-conductor rubber jackete twist-lock plug (L2320P), a screw. 20A standard.	wist-lock plug, along with c DA standard. L Q1 or LQ2 , unit is pre-wi d cable and heavy duty (1	red with 6/5) NEMA			
	(Y) = 3-W	P-L(Y)20P* Pendant Power Hook, 3-Wire (30 ire NEMA voltage code: 5 =120V, 6 =208/240V, 7 =277V, 8 =480V P-L2320P* Pendant Power Hook, 5-Wire (600)	,	Pendant Mounted Power I- Pre-wired with Hook, Cord When specified with BL, I Mounted Power Hook has receptacle. (5-wire)	and Plug. L Q1 or LQ2 , Pendant	e. (6) (1)			
		C-L(Y)20P* Loop, Cord and Plug, 3-Wire d length in feet (Y) = 3-Wire NEMA voltage of 5=120V, 6=208/240V, 7:	ode:	Unit is pre-wired with 3-co heavy duty (16/3) NEMA standard.					
		C-L2320P* Loop, Cord and Plug, 5-Wire d length in feet: 3, 6 or 10	*	When specified with BL, I 5-conductor rubber jacketed lock plug (L2320P), with die-	cable and heavy duty (16/5)				
	(Y) = $3-W$	-L(Y)20P* Power Hook, 3-Wire (300V) with L ire NEMA voltage code: 5=120V, 6=208/240V, 7=277V, 8=480V	CP	Power Hook with thru-wire NEMA receptacle. Prewire Plug.	ed with Loop, Cord and				
	H5-LCP	-L2320P* Power Hook, 5-Wire (600V) with Li	CP	When specified with BL, I has an L2320R NEMA rec					
		MP* Universal Power Hook MP-WL Universal Power Hook, Wet Locatio (includes special gasketing, suitable for Vering QV ballast, voltage must be specified. (3-wire only)	Net Locations)	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.					
		P-WL Thru-wire box, 3-wire w/disconnect, Wet L (includes special gasketing, suitable for Wet	Location Listed t Locations)	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.					
_	□ TWB-ED5P* Thru-wire box, 5-wire with disconnect Specify -WL version for use with Wet Location listed units. □ TWB-ED5P-WL Thru-wire box, 5-wire w/disconnect, Wet Location Listed								

ExceLine



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

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

(includes special gasketing, suitable for Wet Locations)

Performer Acrylic High Bay, 175-1000 watt HID

Accessories (Field Installed - Shipped Separately)

ballast fusing accessories

☐ PF-F1-Kit Single Fuse Kit, 120 / 277V

☐ PF-F2-Kit Double Fuse Kit. 208 / 240 / 480V 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 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

☐ H4* Pendant Power Hook, 3-Wire

☐ **H4-5W*** Pendant Power Hook, 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.

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

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

Used with corresponding Hook, Cord and Plug.

plug, with die-cast loop. 20A standard. (3-wire)

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



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

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

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

Thru-wire box

(X) = Cord length in feet

Power Hook with thru-wire provision, 3-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.





mounting extras

☐ H5*

☐ TWB*

☐ HM* Hook Male

☐ LM*

Loop

Male



☐ JA75 Joint Aligner

☐ SH75 Swivel Hanger 50 lb. maximum

allowed if hung from

junction box.

50 lb maximum allowed.



☐ 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

Standard on enclosed units.

30"Optical Retainer Cable



□ FWG Full Wireguard Not available for 25" enclosed unit (with dropped lens).

Recommended for use in gymnasiums and similar facilities.

Note: Unit installed with wireguard is not Sanitation Listed.

□ TWA Twin Hanger Adapter

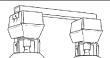
1611 Clovis R. Barker Road • San Marcos, TX 78666

800.545.1326 • 512.392.5821 • Fax: 512.753.1122 • www.exceline.com

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

For mounting two fixtures directly to extrusion arm.









Performer Acrylic High Bay, 175-1000 watt HID

Notes



