

Type No. _____

Catalog No. _____

Job. Name _____

PFLB Series

Performer Low Bay, 250-400 watt HID

APPLICATIONS

- Applications include assembly areas, industrial facilities, and warehouses.

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

OPTICS

- The Performer Low Bay features a hinged and gasketed optical assembly in either a 22" or 28" diameter. Heavy gauge aluminum reflector with high-reflectivity white UltraClad polyester powder coat finish provides the upper portion of the optical assembly which features a permanently sealed acrylic refractor. The hinged and high temperature gasketed optical assembly is held in place by a heavy-duty stainless steel high compression latch.

ELECTRICAL

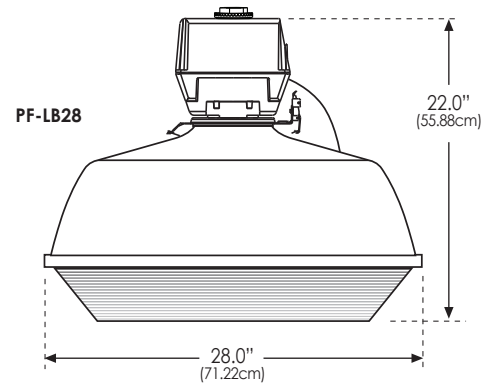
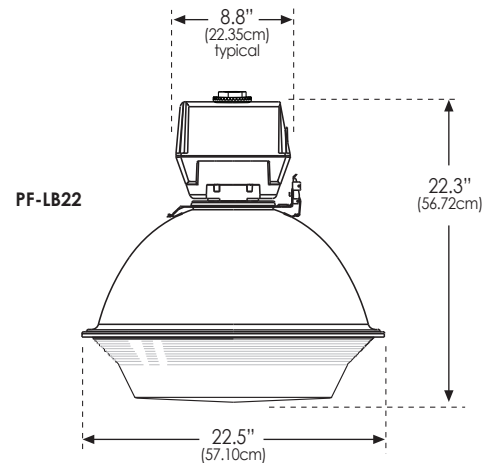
- High power factor constant-wattage autotransformer (CWA) ballast with reliable starting to 29°C (-20°F) for Metal Halide, -34°C (-30°F) for Pulse Start Metal Halide, -40°C (-40°F) for High Pressure Sodium. 180°C (356°F) Class H insulation system. Crest factor does not exceed 1.8. PolyBlock ballast 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 Low Bay luminaires require the use of mogul-based lamps.

MOUNTING

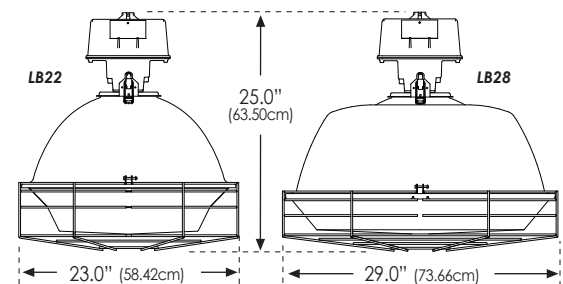
- Cast aluminum nut and hub is standard for quick, positive mounting to 3/4" NPT or NPSM conduit.

WARRANTY/LISTINGS

- Standard 5 Year Limited Warranty. UL/cUL Listed luminaire, UL 1598, suitable for Damp Locations, Wet Location option available. The 22" unit is suitable for use in ambient not exceeding 40°C (104°F). The 28" unit is suitable for use in ambient not exceeding 55°C (131°F). NSF Sanitation Listing available. The quality systems of this facility have been registered by UL to the ISO 9000 Series Standards.



with Wireguard accessories



See Page 2 for Ordering Information

Exceline

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PHILIPS

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Performer Low Bay



Series/Source - Wattage	Optics	Voltage
Pulse Start Metal Halide <input type="checkbox"/> PFP-250 <input type="checkbox"/> PFP-350 <input type="checkbox"/> PFP-400	<input type="checkbox"/> LB22 22" diameter Low Bay reflector with refractive lens	<input type="checkbox"/> 120 <input type="checkbox"/> 208 <input type="checkbox"/> 240 <input type="checkbox"/> 277 <input type="checkbox"/> 480 <input type="checkbox"/> QV <i>Quad voltage ballast. Allows field selection of 120/208 /240/277 voltage.</i>
High Pressure Sodium <input type="checkbox"/> PFS-250 <input type="checkbox"/> PFS-400	<input type="checkbox"/> LB28 28" diameter Low Bay reflector with refractive lens	



Distribution Guide and Ballast Data ⁽¹⁾

Source Type ⁽²⁾	Catalog Number	Lamp Envelope ⁽³⁾	Efficiency 22" 28"	SP / MH 22" 28"	.ies File Name ⁽⁴⁾	ANSI Code	Line Current 120 / 208 / 240 / 277 / 480	Line Watts	LER ⁽⁵⁾ 22" 28"
PS	PFP-250	BT/ED28	85% 91%	1.8 1.8	lb(*)pc25.ies	M138 / M153	2.5 / 1.5 / 1.3 / 1.1 / 0.6	298	72 69
	PFP-350	BT / ED37	85% 88%	1.7 1.8	lb(*)pc35.ies	M131	3.7 / 2.1 / 1.8 / 1.6 / 0.9	400	70 73
	PFP-400	BT / ED37	81% 88%	1.7 1.8	lb(*)pc40.ies	M135 / M155	4.0 / 2.2 / 1.9 / 1.8 / 1.0	456	75 77
HPS	PFS-250	E18	89% 84%	1.9 1.7	cbsc25(*).ies	S50	2.7 / 1.6 / 1.3 / 1.2 / 0.7	310	86 81
	PFS-400	E18	88% 83%	1.9 1.7	cbsc40(*).ies	S51	4.1 / 2.5 / 2.1 / 1.9 / 1.1	467	95 89

Distribution Guide and Ballast Data Notes:

- The Performer Low Bay Series can accommodate other wattages and lamps. Consult factory.
- PS = Pulse Start Metal Halide w/ CWA ballast, HPS = High Pressure Sodium w/ CWA ballast.

- Coated lamps recommended for 28" PSMH. Clear lamps recommended for 22" PSMH, and all HPS.
- For 22" Refractor: Replace (*) with 2; For 28" Refractor: Replace (*) with 8.
example: ies file name would be lb2pc40.ies for 400W PSMH Performer 22" Low Bay.
- Calculated in accordance with NEMA Standard LE-5B.

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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.

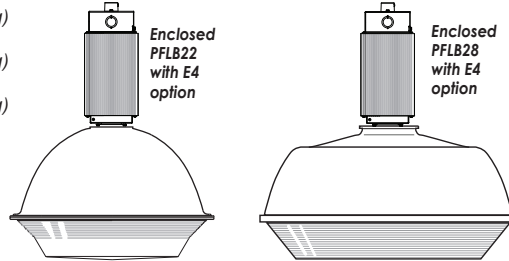
Standard available voltages: 208, 277, 240V. Not available in 480V.

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).

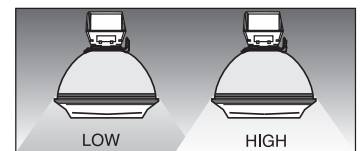
- ☐ BL50 Bi-Level (Hi-Low) dimming to 50% power
 - ☐ AD50 Analog (full range 0-50) dimming to 50% power
- Leave blank to specify electronic ballast without dimming capability.

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.



☐ BLI(X) Bi-Level Integral Control

Offers individual fixture control. Does not provide zero crossover switching.

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

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

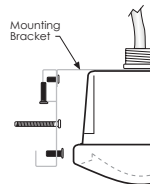
(suitable for use in ambients to -29°C (-20°F))

☐ BLICW Counter weight accessory

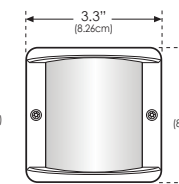
Passive Infra-Red motion sensor step dims (up to 50%) individual fixtures based on occupancy under the sensor.

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

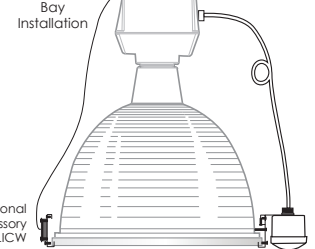
Side View (as installed)



Bottom View (as installed)



Typical High Bay Installation



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

LQ1: 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.

LQ2: Combines the standard LQ and LQ1 systems to provide the ultimate in safety and security. Activation: 1) At cold start / restrike, through run down, restrike and ramp up. Extinguishes after HID lamp reaches approximately 40% light output. 2) Emergency (Black Out) conditions only. Extinguishes when main power is restored.

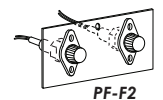
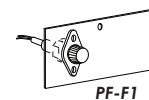
☐ PF-F1 Single fuse (120V/277V)

☐ 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 fusing.



☐ 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.



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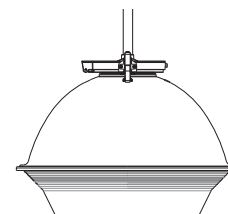
PHILIPS

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- ☐ **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.

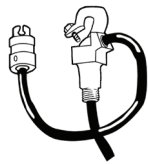
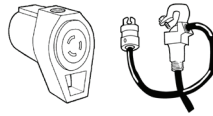
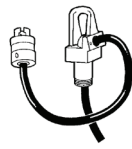
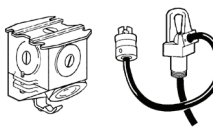

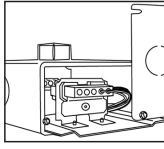
*Maximum Remote Ballast Distances apply. Consult factory.
If combined with Wet Location listing option, consult factory.*



- | | | |
|--------------------------------------|---|--|
| <input type="checkbox"/> PB | Encapsulated Polyblock
<i>Requires alternate ballast housing, consult factory.</i> | SilentGuard ballast encapsulation of the core and coil assembly provides quiet operation, superior protection from moisture and corrosion and excellent heat dissipation properties. |
| <input type="checkbox"/> WL | Wet Location Listed | Available for enclosed units only. Requires conduit mounting. |
| <input type="checkbox"/> SL | Sanitation Listed
<i>Note: Required for NSF Listing</i> | Units are NSF listed for Splash and Non-Food zones.
<i>(NSF listing indicates compliance to a level of cleanability.)</i> |
| <input type="checkbox"/> 50HZ | 50 Hz ballast operation <i>Consult factory.</i> | 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.

- | | | | |
|---|---|---|---|
| <input type="checkbox"/> 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 | 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. |  |
| <input type="checkbox"/> HCP-(X)C-L2320P* | Hook, Cord and Plug, 5-Wire
(X) = Cord length in feet: 3, 6 or 10 | | |
| <input type="checkbox"/> 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 Mounted Power Hook has an L2320R NEMA receptacle. (5-wire) |  |
| <input type="checkbox"/> H4-HCP-L2320P* | Pendant Power Hook, 5-Wire (600V) with HCP | | |
| <input type="checkbox"/> 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.
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. |  |
| <input type="checkbox"/> LCP-(X)C-L2320P* | Loop, Cord and Plug, 5-Wire
(X) = Cord length in feet: 3, 6 or 10 | | |
| <input type="checkbox"/> 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.
When specified with BL, LQ1 or LQ2 , Power Hook has an L2320R NEMA receptacle (5-wire). |  |
| <input type="checkbox"/> H5-LCP-L2320P* | Power Hook, 5-Wire (600V) with LCP | | |
| <input type="checkbox"/> UPH-LCMP* | Universal Power Hook | 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. |  |
| <input type="checkbox"/> UPH-LCMP-WL | Universal Power Hook, Wet Location Listed
<i>(includes special gasketing, suitable for Wet Locations)</i>
<i>Note: If ordering QV ballast, voltage must be specified. (3-wire only)</i> | | |
| <input type="checkbox"/> TWB-EDP* | Thru-wire box, 3-wire with disconnect | Thru-wire box provides disconnect capability. UL listed as a primary load break device. |  |
| <input type="checkbox"/> TWB-EDP-WL | Thru-wire box, 3-wire w/disconnect, Wet Location Listed
<i>(includes special gasketing, suitable for Wet Locations)</i> | 5-wire version required if specified in conjunction with BL, LQ1 or LQ2 option.
Specify -WL version for use with Wet Location listed units. | |
| <input type="checkbox"/> TWB-ED5P* | Thru-wire box, 5-wire with disconnect | | |
| <input type="checkbox"/> TWB-ED5P-WL | Thru-wire box, 5-wire w/disconnect, Wet Location Listed
<i>(includes special gasketing, suitable for Wet Locations)</i> | | |

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

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PHILIPS

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Accessories (Field Installed - Shipped Separately)

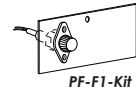
ballast fusing accessories

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

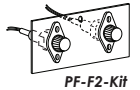
Consists of 1 or 2 fuse holders and 1 or 2 KTK 30 amp fuses. Field installed on wiring access plate.

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

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



PF-F1-Kit



PF-F2-Kit

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

alternate mounting accessories

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

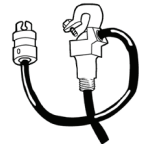
☐ **HCP-(X)C-L(Y)20P*** Hook, Cord and Plug, 3-Wire
(X) = Cord length in feet
(Y) = 3-Wire NEMA voltage code:

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

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. (3-wire)

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

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)



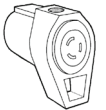
☐ **H4*** Pendant Power Hook, 3-Wire

H4 Pendant Mounted Power Hook (3-wire) with L9-20R NEMA receptacle.

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

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.



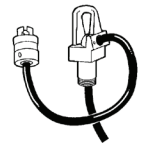
☐ **LCP-(X)C-L(Y)20P*** Loop, Cord and Plug, 3-Wire
(X) = Cord length in ft
(Y) = 3-Wire NEMA voltage code:

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

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

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

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)



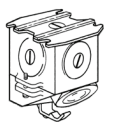
☐ **H5*** Power Hook with thru-wire provision, 3-Wire

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

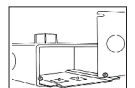
☐ **H5-5W*** Power Hook with thru-wire provision, 5-Wire

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



☐ **JA75** Joint Aligner

50 lb. maximum allowed.

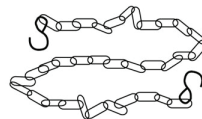


☐ **BRC(X)-PF**

Note: Unit is not Sanitation Listed with this accessory.

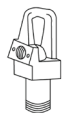
Ballast Retainer Chain

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



☐ **LM***

Loop
Male



☐ **SH75** Swivel Hanger

50 lb. maximum allowed if hung from junction box.



ORC
Optical
Retainer
Cable
(Standard)



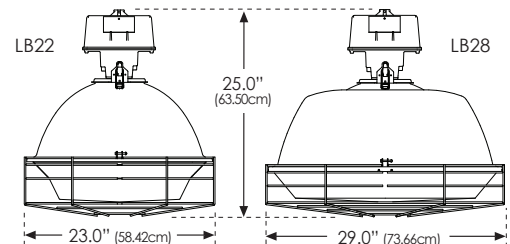
☐ **WG-PF/ILX-LB22/LB3** Wireguard for 22" Low Bay

☐ **WG-PF/ILX-LB28** Wireguard for 28" Low Bay

For maximum endurance in active environments, the refractor may be protected by a wireguard.

Recommended for use in gymnasiums and similar facilities.

Note: Unit installed with wireguard is not Sanitation Listed.



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