



# BAYLIGHTER® LED

## PBL220 SERIES

PENDANT-MOUNTED HIGH BAY LUMINAIRE

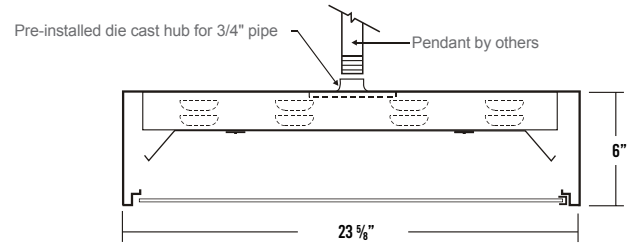
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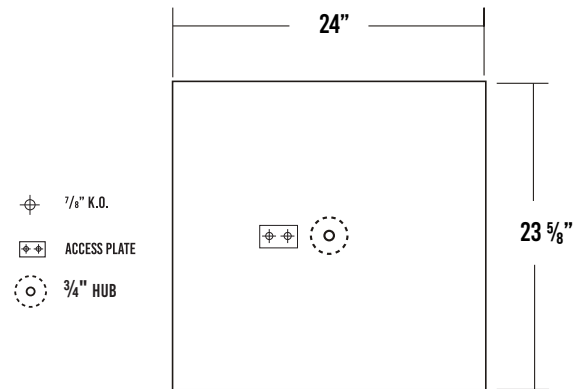
TEL: 626-454-8300

### DIMENSIONS

#### CROSS SECTION



#### 2' X 2' BACK PLATE



### SPECIFICATIONS

#### CONSTRUCTION

- 20 gauge cold-rolled steel housing with louvered vents for heat removal
- 20 gauge cold-rolled steel door frame (extruded aluminum finishes available) secured by T-hinges and positive spring loaded latches
- One way polyurethane gasket standard
- Die cast center hub for 3/4" pipe

#### FINISH

- Baked white powder-coated finish
- Painted after fabrication
- Minimum reflectance 90%

#### OPTICAL

- Clear prismatic acrylic lens standard

#### ELECTRICAL

- High-efficiency drivers coupled with long-life LEDs
- Service life tested at 50,000 hours (L70)
- Universal voltage 120V through 277V (347V / 480V available)
- Power Factor (PF) ≥ 0.9
- Total Harmonic Distortion (THD) ≤ 20%

#### LISTING

- UL USA and Canada listed / suitable for damp locations

#### WARRANTY

- 5-Year limited warranty standard, 10-Year limited warranty available

### APPLICATIONS

- Commercial, Retail, Auditorium, High Bay

### FEATURES

- High (HT) ambient temperature version for extreme temperature ranges
- 0-10V Dimming driver standard
- Supports California Title 24 compliance
- Safety cables attached to door frame and LED gear tray
- Formed air slot that allows air circulation for heat removal

### OPTIONS CONTACT CUSTOMER SERVICE FOR ADDITIONAL OPTIONS

- Controls
- Custom housing colors
- Emergency battery pack
- Tunable white (2700K - 6500K)
- Customization available upon request

### CUSTOM COLORS

BLK - Matte Black

CS - Camaro Silver

BZ - Statuary Bronze

Variety of RAL colors available upon request.



Los Angeles Lighting Mfg. Co.  
 Contact Us  
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 www.lalighting.com Made in the USA



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**ORDERING INFORMATION**

ADDITIONAL OPTIONS AVAILABLE. VISIT [WWW.LALIGHTING.COM/RESOURCES](http://WWW.LALIGHTING.COM/RESOURCES) FOR MORE INFORMATION

EXAMPLE: PBL220-16-2L-FSW-PA2-BPL3.0-DRDM-UNV-2/850HT

SERIES	NOMINAL LED LUMENS	NOMINAL LENGTH	DOOR FRAME	OPTICAL	CONTROLS	ELECTRICAL	DRIVER	VOLTAGE	# OF LED ROWS	CRI / CCT	AMBIENT TEMP.
PBL220		2L					DRDM	UNV			HT
<b>PBL220</b> • Pendant-Mounted High Bay Luminaire	8 - 8000lm 12 - 12000lm 16 - 16000lm 20 - 20000lm 24 - 24000lm	2L • 2'	<b>FSW</b> • Flat Steel White Enamel	<b>PA</b> • Clear Prismatic Acrylic  <b>PA2</b> • Clear Prismatic Acrylic Nom. 0.125  <b>FPA2</b> • Frosted Prismatic Acrylic Nom. 0.125  <b>FFA</b> • Frosted Prismatic Acrylic Nom. 0.125	<b>MSH</b> • Motion Sensor High Frequency (Microwave)  <b>MSHSD</b> • Motion Sensor High Frequency Step Dimming (Microwave)  <b>WLC(xx)</b> • Wireless Control  *Leave blank if not specified	<b>BPL1.5</b> • 1500lm Emergency Battery Pack  <b>BPL3.0</b> • 3000lm Emergency Battery Pack  *Leave blank if not specified	<b>DRDM</b> • 0-10V Dimming Driver	<b>UNV</b> • 120V - 277V  <b>120V</b> • 120 Volt  <b>277V</b> • 277 Volt  <b>347V</b> • 347 Volt  <b>480V</b> • 480 Volt	2 • 2 LED Rows (For 8000lm, 12000lm, and 16000lm options)  4 • 4 LED Rows (For 20000lm, and 24000lm options)	<b>835</b> • 80+CRI / 3500K  <b>840</b> • 80+CRI / 4000K  <b>850</b> • 80+CRI / 5000K  Contact customer service for additional CRI/CCT packages	<b>HT</b> • High Ambient Temp.

Standard options for PBL220 shown above. For additional options, including lumen packages, controls, lenses, switches, finishes, and more, visit [www.lalighting.com/resources](http://www.lalighting.com/resources) or contact customer service.

**SYSTEM DATA**

ADDITIONAL LUMEN PACKAGES AVAILABLE. CONTACT CUSTOMER SERVICE FOR MORE INFORMATION

2'x2' LED LUMEN PACKAGE	HIGH AMBIENT TEMPERATURE PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
8000 Lumens (Nominal)	PBL220-8-2L-FSW-PA-DRDM-UNV-2/850HT	6161	48.3	127.5 lm/W	-30°C / 50°C (-22°F / 122°F)	4-F24T5HO, 2-F54T5HO	*
12000 Lumens (Nominal)	PBL220-12-2L-FSW-PA-DRDM-UNV-2/850HT	9085	75.3	120.6 lm/W	-30°C / 50°C (-22°F / 122°F)	6-F24T5HO, 3-F54T5HO	<a href="#">LA-T3563-1.ies</a>
16000 Lumens (Nominal)	PBL220-16-2L-FSW-PA-DRDM-UNV-2/850HT	12265	99.5	123.1 lm/W	-30°C / 50°C (-22°F / 122°F)	8-F24T5HO, 4-F54T5HO	*
20000 Lumens (Nominal)	PBL220-20-2L-FSW-PA-DRDM-UNV-4/850HT	15195	122.9	123.5 lm/W	-30°C / 50°C (-22°F / 122°F)	5-F54T5HO	<a href="#">LA-T3805a-2.ies</a>
24000 Lumens (Nominal)	PBL220-24-2L-FSW-PA-DRDM-UNV-4/850HT	18126	149.6	121.1 lm/W	-30°C / 45°C (-22°F / 113°F)	6-F54T5HO	<a href="#">LA-T3766a-2.ies</a>

**NOTE:**  
 System data is based on 120V input voltage. Actual performance may differ as a result of end-user environment and application.  
 This fixture has been tested and listed in accordance with UL Standards. L.A. Lighting certifies that it will operate safely when installed properly, and within an ambient temperature range noted in the system data table.  
 Additional lumen packages and color temperatures available.

**DOOR FRAME OPTIONS**

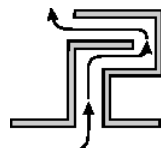
**DOOR FRAME CROSS SECTION**



- FS W FINISHES**  
 W White Enamel  
 B Black Enamel  
 N Natural Aluminum
- STYLES**  
 FS Flat Steel  
 FA Flat Extruded Aluminum  
 RA 5/8" Regressed Extruded Aluminum

**AIR SLOT**

- Formed air slot
- Allows air circulation for heat removal



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**OPTICAL OPTIONS****ADDITIONAL LENSES AVAILABLE. VISIT [WWW.LALIGHTING.COM/RESOURCES](http://WWW.LALIGHTING.COM/RESOURCES) FOR MORE INFORMATION****STANDARD EXTRUDED PRISMATIC PATTERNS**

<b>PA</b>	Clear Prismatic Acrylic, No Thickness Specified, Female Prisms 3/16 Square Base, Pattern 12
<b>PA2</b>	Clear Prismatic Acrylic, Nom. 0.125 OA Thickness, Female Prisms 3/16 Square Base, Pattern 12
<b>FPA2</b>	Frosted Prismatic Acrylic, Nom. 0.125 OA Thickness, Female Prisms 3/16 Square Base, Pattern 12
<b>FFA</b>	Flat Frosted Acrylic, No Thickness Specified

**ADDITIONAL AVAILABLE LENSES**

(Not all optics suitable for fixture. Please consult factory to ensure selected optical option suits fixture. Please consult factory regarding any optical options not shown)

**EXTRUDED PRISMATIC PATTERNS**

<b>PA3</b>	Clear Prismatic Acrylic, Min. 0.125 OA Thickness, Female Prisms 3/16 Square Base
<b>PA8</b>	Clear Prismatic Acrylic, Nom. 0.187 OA Thickness, Female Prisms 3/16 Square Base
<b>P15</b>	Clear Prismatic Acrylic, Nom. 0.200 OA Thickness, Female Prisms 3/8 Square Base
<b>P195</b>	Clear Prismatic Acrylic, Nom. 0.150 OA Thickness, Male Conical Prisms 3/16 Square Base
<b>P3E</b>	3E Batwing Pattern Lens
<b>P195RF</b>	Clear Prismatic Acrylic, 19 Shunts Radio Frequencies To Ground, Nom. 0.150 OA Thickness

**FLAT DIFFUSERS**

<b>FFA2</b>	Frosted Flat Acrylic, Nom. 0.125 Thickness	<b>CA2</b>	Clear Acrylic, Nom. 0.125 OA Thickness
<b>CA8</b>	Clear Acrylic, Nom. 0.187 OA Thickness		

**HIGH IMPACT**

<b>VL25</b>	Clear Polycarbonate, Nom. 0.125 Thickness with 0.125 Clear Prismatic Acrylic Overlay
<b>VL37</b>	Clear Polycarbonate, Nom. 0.250 Thickness with 0.125 Clear Prismatic Acrylic Overlay
<b>CPC2</b>	Clear Polycarbonate, Nom. 0.125 OA Thickness
<b>CPC8</b>	Clear Polycarbonate, Nom. 0.187 OA Thickness
<b>PPC2</b>	Clear Prismatic Polycarbonate, Nom. 0.125 OA Thickness, Female Prisms 3/16 Square Base
<b>PPC8</b>	Clear Prismatic Polycarbonate, Nom. 0.187 OA Thickness, Female Prisms 3/16 Square Base
<b>DRP2</b>	High Impact Clear Prismatic Acrylic, Nom. 0.125 OA Thickness, Female Prisms 3/16 Square Base
<b>DRP3</b>	High Impact Clear Prismatic Acrylic, Min. 0.125 OA Thickness, Female Prisms 3/16 Square Base
<b>DRP8</b>	High Impact Clear Prismatic Acrylic, Nom. 0.187 OA Thickness, Female Prisms 3/16 Square Base



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