



# BAYLIGHTER™ LED

## FBL220 (2X2) SERIES

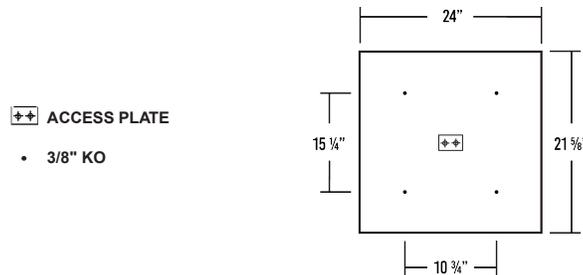
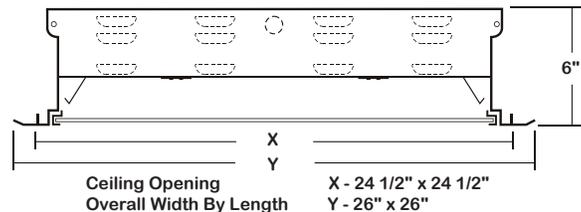
TRIM FLANGED HIGH BAY LUMINAIRE

|      |  |
|------|--|
| DATE |  |
| JOB  |  |

WWW.LALIGHTING.COM  
626-454-8300

### RECESSED MOUNTED HIGH BAY LED LUMINAIRE FOR HARD CEILINGS

### DIMENSIONS



### APPLICATIONS

- Commercial, Retail, Auditorium

### FEATURES

- **High (HT)** ambient temperature version for extreme temperature ranges (See SYSTEM DATA for ranges)
- 0-10V dimming driver standard (See DRIVER OPTIONS for other dimming types)
- Supports California Title 24 compliance
- Safety cables attached to door frame and LED gear tray

### OPTIONS

- Full customization available upon request
- Additional lumen packages and color temperatures available
- Controls and sensors available (See SENSOR OPTIONS for controls and sensors)
- Wireless control options available (See SENSOR OPTIONS for wireless controls)
- Variety of lenses available (See OPTICAL OPTIONS for lenses)
- Emergency battery pack available (See BATTERY PACK OPTIONS for battery pack options)
- Hanger yokes available (See ACCESSORIES for details)
- Swing-out jacks available (See ACCESSORIES for details)

### SPECIFICATIONS

#### CONSTRUCTION

- 22 ga. cold rolled steel housing with louvered vents for heat removal (20 ga. housing available as specified)
- 20 ga. cold rolled steel door frame (extruded aluminum finishes available) secured by T-hinges and positive spring loaded latches
- One way polyurethane gasket standard

#### FINISH

- Baked white polyester finish (powder coated finish available) / minimum reflectance 86%
- Trim Flange and Door Frame - powder coated finish / painted after fabrication

#### OPTICAL

- Clear prismatic acrylic lens standard

#### ELECTRICAL

- High efficiency drivers coupled with long-life LEDs
- Service life greater than 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

#### INSTALLATION NOTE:

- To be mounted in open plenum only
- Not to be installed in tightly enclosed spaces



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**ORDERING INFORMATION** EXAMPLE: FBL220-16-2L-FSW-PA-BPL1.5-DRDM-UNV-2/850HT

| SERIES                                                                                              | LED LUMEN PACKAGE                                                                                                                      | NOMINAL LENGTH       | DOOR FRAME                                                                                | OPTICAL                                                                                                                                                                                                                                                | ELECTRICAL                                                                                                                                                                                                                                                                                                        | DRIVER                                                                           | VOLTAGE                                                              | # OF LED ROW                                                                                                                    | CRI / CCT                                                                                                                                                                         | AMBIENT TEMP.                   |
|-----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| <b>FBL220</b>                                                                                       |                                                                                                                                        | <b>2L</b>            | <b>FSW</b>                                                                                |                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                   | <b>DRDM</b>                                                                      | <b>UNV</b>                                                           |                                                                                                                                 |                                                                                                                                                                                   | <b>HT</b>                       |
| <b>FBL220</b><br>Trim Flanged High Bay LED Luminaire<br><br>(HT - High Ambient Temperature Version) | 8 Nom. 8000 Lumens<br>12 Nom. 12000 Lumens<br>16 Nom. 16000 Lumens<br>24 Nom. 24000 Lumens<br><br>*Additional Lumen Packages Available | <b>2L</b><br>2' x 2' | <b>FSW</b><br>Flat Steel White Enamel Door Frame<br><br>See <u>DOOR FRAME for Options</u> | <b>PA</b><br>Clear Prismatic Acrylic<br><br><b>PA2</b><br>Clear Prismatic Acrylic Nom. 0.125<br><br><b>FPA2</b><br>Frosted Prismatic Acrylic Nom. 0.125<br><br><b>FFWA</b><br>Flat Frosted White Acrylic<br><br>See <u>OPTICAL OPTIONS for Options</u> | <b>BPL1.5</b><br>Emergency Battery Pack, Nom. 1500 lm<br><br>See <u>BATTERY PACK OPTIONS for Options</u><br><br><b>MSxx</b><br>Motion Sensor<br><br><b>WLC(LED RU)</b><br>Wireless Control<br><br>See <u>SENSOR OPTIONS for Options</u><br><br>*Leave Blank if Not Specified<br><br>Additional Electrical Options | <b>DRDM</b><br>0-10V Dimming Driver<br><br>See <u>DRIVER OPTIONS for Options</u> | <b>UNV</b><br>120V-277V<br><br>See <u>DRIVER OPTIONS for Options</u> | <b>2</b><br>Two LED Rows (Only 8000 / 12000 / 16000 lumens Systems)<br><br><b>4</b><br>Four LED Rows (Only 24000 lumens System) | <b>835</b><br>80+CRI / 3500K Color Temp.<br><br><b>840</b><br>80+CRI / 4000K Color Temp.<br><br><b>850</b><br>80+CRI / 5000K Color Temp.<br><br>*Additional Color Temp. Available | <b>HT</b><br>High Ambient Temp. |

**SYSTEM DATA**

THESE ARE THE MOST POPULAR LUMEN PACKAGES. PLEASE CONSULT FACTORY FOR ADDITIONAL SYSTEM DATA.

| NOMINAL SIZE | LED LUMEN PACKAGE | CRI / CCT | AMBIENT TEMP. | OPTICAL  | DELIVERED LUMENS | SYSTEM WATTS | LUMINAIRE EFFICACY | FLUORESCENT / HID / CFL EQUIVALENT | IES FILES                  |
|--------------|-------------------|-----------|---------------|----------|------------------|--------------|--------------------|------------------------------------|----------------------------|
| 2' x 2'      | 8000 lm           | 850       | HT            | PA       | 6939 lm          | 49.5 W       | 140.2 lm/W         | 4-F24T5HO, 175 W (MH), 4-BX40      | <a href="#">LA-T3139-1</a> |
|              | 12000 lm          |           | HT            | PA       | 10292 lm         | 76.1 W       | 135.2 lm/W         | 6-F24T5HO, 250 W (MH), 4-BX55      | <a href="#">LA-T3140-1</a> |
|              | 16000 lm          |           | HT            | PA       | 13549 lm         | 103.3 W      | 131.1 lm/W         | 8-F24T5HO, 400 W (MH), 8-BX40      | <a href="#">LA-T3141-1</a> |
|              | 24000 lm          |           | HT            | PA / PA2 | 21428 lm         | 163.6 W      | 131.0 lm/W         | 12-F24T5HO, 12-BX55                | *                          |

**NOTE:**  
 System data above is based on 120V input voltage.  
 Actual performance may differ as a result of end-user environment and application.  
 HT: High Ambient Operating Temperature Minimum -30°C / Maximum (please consult factory)  
  
 Additional lumen packages and color temperatures available.



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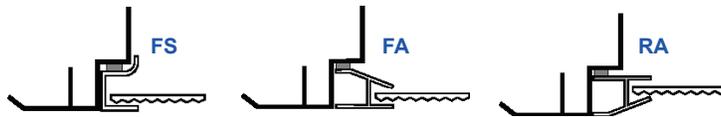
**OPTICAL OPTIONS**

**STANDARD LENSES FOR FBL220**

|             |                                                                                  |
|-------------|----------------------------------------------------------------------------------|
| <b>PA</b>   | Clear Prismatic Acrylic, No Thickness Specified, Female Prisms 3/16 Square Base  |
| <b>FPA2</b> | Frosted Prismatic Acrylic, Nom. 0.125 OA Thickness                               |
| <b>PA2</b>  | Clear Prismatic Acrylic, Nom. 0.125 OA Thickness, Female Prisms 3/16 Square Base |
| <b>FFWA</b> | Flat Frosted White Acrylic, No Thickness Specified                               |

**DOOR FRAME**

CROSS SECTION



**FS**   **W**

**FINISHES**

- W** White Enamel
- B** Black Enamel
- N** Natural Aluminum

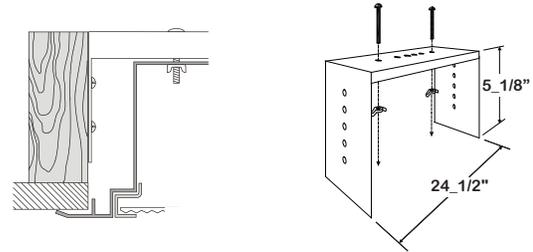
**STYLES**

- FS** Flat Steel
- FA** Flat Extruded Aluminum
- RA** 5/8" Regressed Extruded Aluminum

**ACCESSORIES**

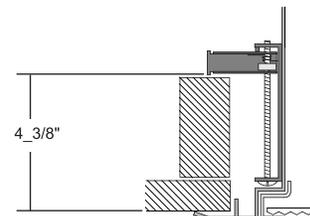
**HS-24\_1/2**

- Hanger Yokes
- Compatible with all types of recessed flanged fixtures
- 1/4-20 x 3" machine screws locate into knockout on back of fixture housing
- Two (2) per fixture



**SOJ**

- Swing-Out Jacks
- Compatible with selected types of recessed flanged fixtures
- Spring loaded adjustable mounting bracket for mounting in drywall or plaster type ceiling
- Two (2) brackets on each side of fixture housing
- Four (4) per fixture



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