



BAYLIGHTER™ LED

FBL220 (2X2) SERIES

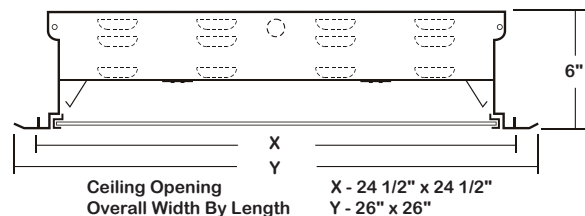
TRIM FLANGED HIGH BAY LUMINAIRE

DATE	
JOB	

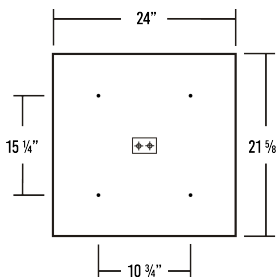
WWW.LALIGHTING.COM
626-454-8300

RECESSED MOUNTED HIGH BAY LED LUMINAIRE FOR HARD CEILINGS

DIMENSIONS



Ceiling Opening
Overall Width By Length



ACCESS PLATE

- 3/8" KO

APPLICATIONS

- Commercial, Retail, Auditorium

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

OPTIONS

- Full customization available upon request
- Additional lumen packages and color temperatures available
- Controls and sensors available
- Wireless control options available
- Variety of lenses available
- Emergency battery pack available
- 10 kV surge protector
- Hanger yokes available
- Swing-out jacks available

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) $\leq 20\%$

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



Los Angeles Lighting Mfg. Co.
Contact Us
T: 626-454-8300
F: 626-454-8399
www.lalighting.com
10141 Olney Street
El Monte, CA 91731
Made in the USA



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Revised: 09/11/2025



MADE IN THE USA
BABA/BAA Compliant

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.
FBL220		2L	FSW							HT
FBL220 Trim Flanged High Bay LED Luminaire (HT - High Ambient Temperature Version)	8 Nom. 8000 Lumens 12 Nom. 12000 Lumens 16 Nom. 16000 Lumens 24 Nom. 24000 Lumens *Additional Lumen Packages Available	2L 2' x 2'	FSW Flat Steel White Enamel Door Frame	PA Clear Prismatic Acrylic PA2 Clear Prismatic Acrylic Nom. 0.125 FPA2 Frosted Prismatic Acrylic Nom. 0.125 FFWA Flat Frosted White Acrylic	BPL1.5 Emergency Battery Pack, Nom. 1500 lm SP10 10 kV Surge Protector MSxx Motion Sensor WLC(LED RU) Wireless Control *Leave Blank if Not Specified	DRDM 0-10V Dimming Driver	UNV 120V-277V	2 Two LED Rows (Only 8000 / 12000 / 16000 lumens Systems) 4 Four LED Rows (Only 24000 lumens System)	835 80+CRI / 3500K Color Temp. 840 80+CRI / 4000K Color Temp. 850 80+CRI / 5000K Color Temp. *Additional Color Temp. Available	HT 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	LA-T3139-1
	12000 lm		HT	PA	10292 lm	76.1 W	135.2 lm/W	6-F24T5HO, 250 W (MH), 4-BX55	LA-T3140-1
	16000 lm		HT	PA	13549 lm	103.3 W	131.1 lm/W	8-F24T5HO, 400 W (MH), 8-BX40	LA-T3141-1
	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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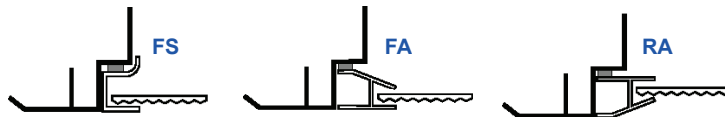
OPTICAL OPTIONS

STANDARD LENSES FOR FBL220

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

DOOR FRAME

CROSS SECTION

**FS****W**

FINISHES

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

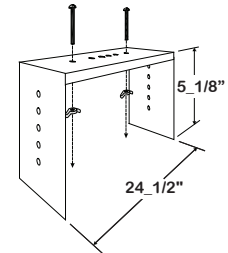
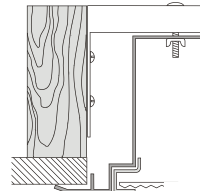
STYLES

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

ACCESSORIES

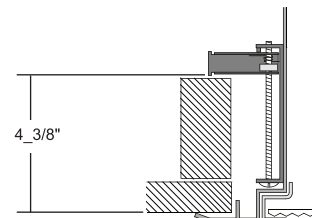
HS-24_1/2

- 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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