

RECESSED FLANGED SECURITY LUMINAIRE

JOB	
TYPE	
DATE	

Commercial / Office / Classroom / Corridor



Overall dimensions including flange: 26" x 50" Required ceiling opening: 24 1/2" x 48 1/2"



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SPECIFICATIONS

Construction

- · 20 gauge cold-rolled steel welded housing
- 20 gauge cold-rolled steel door frame secured by stainless steel piano hinge and 2 captive stainless steel tamper proof screws
- · Inner frame lens retainer rail
- · 18 gauge cold-rolled steel trim flange welded to housing
- One way polyurethane gasket standard

Finish

- · Baked white polyester finish
- Minimum reflectance 86%
- Door frame and trim flange painted after fabrication

Optical

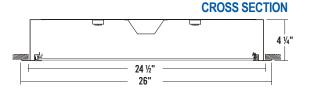
• High-impact clear prismatic acrylic lens (nominal 0.187") standard

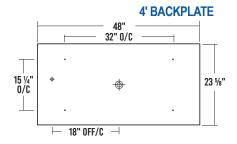
- · High-efficiency drivers coupled with long-life LEDs
- Service life tested at 148,000 hours (L70)
- Universal voltage 120V through 277V (347V / 480V available)
- Power Factor (PF) ≥ 0.9
- Total Harmonic Distortion (THD) ≤ 20%

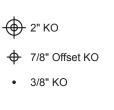
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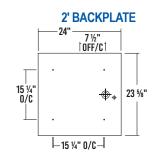
• UL USA and Canada listed / suitable for damp locations

5-Year limited warranty standard. 10-Year limited warranty also available









APPLICATIONS

· Security, Office, Classroom, Public Areas, Commercial

FEATURES

- 0-10V dimming driver standard
- · Supports California Title 24 compliance

OPTIONS

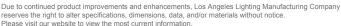
- · Range of lumen packages and color temperatures
- Sensors and controls
- · Lens options
- Painted after fabrication
- Tunable white (2700K 6500K)
- Emergency battery pack
- Neoprene gasket
- · Hanger yokes
- Customization available upon request













ORDERING INFORMATION

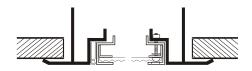
Visit www.lalighting.com/resources for additional options.

SERIES	NOMINAL LED LUMENS	NOMINAL LENGTH	DOOR FRAME	OPTICAL	MECHANICAL	ELECTRICAL	DRIVER	VOLTAGE	# OF LED ROWS	CRI / CCT
FSE120									2	
FSE120 High Impact Trim Flanged Security Luminaire	2 - 2000 lm 3 - 3000 lm 4 - 4000 lm 6 - 6000 lm 8 - 8000 lm 12 - 12000 lm High Efficacy 2HE - 2000 lm 3HE - 3000 lm 4HE - 4000 lm 6HE - 6000 lm 8 - 8000 lm 12 - 12000 lm 16 - 16000 lm 24 - 24000 lm 16 - 16000 lm 24 - 24000 lm 16 - 16000 lm 24 - 24000 lm 17 - 12000 lm 18 - 8000 lm 19 - 12000 lm	2L • 2'	FSW • Flat Steel White Enamel Door Frame	DRP8 • High Impact Clear Prismatic Acrylic Nominal 0.187" DRP2 • High Impact Clear Prismatic Acrylic Nominal 0.125" PPC2 • Clear Prismatic Polycarbonate Nominal 0.125"	GSKN1 One-Way Neoprene Gasket *Leave blank for standard One-Way Polyurethane Gasket	BPL1.5 • 1500 Im emergency battery pack MS(xx) • Motion Sensor WLC(LEDRU) • EnOcean Wireless Control *Leave blank if not specified	DRDM O-10V Dimming Driver DRDM2C C-2-Channel O-10V Dimming Driver (for Color Tunable White) DRSD Step Dimming Driver DR2W 120V 2-Wire Phase Dimming Driver (Must Specify 120V in Voltage Column)	UNV • 120V-277V	• Two LED Rows	827 *80+CRI / 2700K 830 *80+CRI / 3000K 835 *80+CRI / 3500K 840 *80+CRI / 4000K 850 *80+CRI / 5000K 865 *80+CRI / 6500K 8TW *80+CRI / 6500K 90-CRI / 4000K 80-CRI / 6500K 80-

Most common options for FSE120 shown above. For additional options, including lumen packages, controls, lenses, colors/finishes, cord & plug, switches, and more, visit www.lalighting.com/resources or contact customer service.

DOOR FRAME

CROSS SECTION



FEATURES

- Full Length Piano Hinge
- Two Captive Tamper Proof Screws (Hex Socket with Post)
- Inner Frame Lens Retainer Rail



OPTICAL OPTIONS

STANDARD LENSES FOR FSE120

DRP8 High Impact Clear Prismatic Acrylic, Nom. 0.187" OA Thickness, Female Prisms 3/16 Square Base

DRP2 High Impact Clear Prismatic Acrylic, Nom. 0.125" OA Thickness, Female Prisms 3/16 Square Base

PPC2 Clear Prismatic Polycarbonate, Nom. 0.125" OA Thickness, Female Prisms 3/16 Square Base









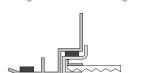


NEOPRENE GASKET

If Neoprene gasketing is not specified, standard one-way polyurethane gasket will be used.

One-Way Gasket between housing and door frame

Two-Way Additional gasket between housing and ceiling.

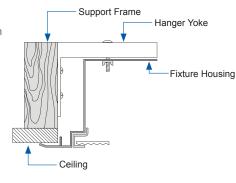


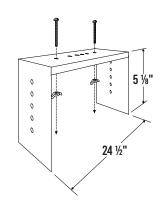


MOUNTING HARDWARE

HANGER YOKES: HS-24 1/2

- · Used to secure recessed flanged fixtures to support frame in hard ceilings
- Provided screws secure hanger yoke to fixture
- Two hanger yokes required for each 2' or 4' fixture.





SYSTEM DATA: Additional Lumen Packages Available. Contact Customer Service for More Information



2'	LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
20	000 Lumens (Nominal)	FSE120-2-2L-DRP8-DRDM-UNV-2/840	1548	12.5	124.2 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F32T8	*
30	000 Lumens (Nominal)	FSE120-3-2L-DRP8-DRDM-UNV-2/840	2448	20.2	121.0 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F17T8	*
40	000 Lumens (Nominal)	FSE120-4-2L-DRP8-DRDM-UNV-2/840	3039	25.5	119.0 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F24T5HO 4x F17T8	*
60	000 Lumens (Nominal)	FSE120-6-2L-DRP8-DRDM-UNV-2/840	4443	39.1	113.7 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F24T5HO 6x F17T8	*
80	000 Lumens (Nominal)	FSE120-8-2L-DRP8-DRDM-UNV-2/840	5889	53.1	111.0 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F54T5HO 4x F24T5HO	*
120	000 Lumens (Nominal)	FSE120-12-2L-DRP8-DRDM-UNV-2/840	8880	78.0	113.8 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F54T5HO 6x F24T5HO	*



2' LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE (HIGH EFFICACY) PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
2000 Lumens (Nominal)	FSE120-2HE-2L-DRP8-DRDM-UNV-2/840	1574	12.3	128.0 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F32T8	*
3000 Lumens (Nominal)	FSE120-3HE-2L-DRP8-DRDM-UNV-2/840	2185	17.3	126.4 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F17T8	*
4000 Lumens (Nominal)	FSE120-4HE-2L-DRP8-DRDM-UNV-2/840	3097	24.9	124.5 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F24T5HO 4x F17T8	*
6000 Lumens (Nominal)	FSE120-6HE-2L-DRP8-DRDM-UNV-2/840	4598	37.8	121.7 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F24T5HO 6x F17T8	*
8000 Lumens (Nominal)	FSE120-8HE-2L-DRP8-DRDM-UNV-2/840	6162	50.9	121.0 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F54T5HO 4x F24T5HO	*





SYSTEM DATA: Additional Lumen Packages Available. Contact Customer Service for More Information



4' LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
2000 Lumens (Nominal)	FSE120-2-4L-DRP8-DRDM-UNV-2/840	1682	12.4	136.2 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F32T8	*
4000 Lumens (Nominal)	FSE120-4-4L-DRP8-DRDM-UNV-2/840	3353	24.9	134.4 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F54T5HO 2x F32T8	*
6000 Lumens (Nominal)	FSE120-6-4L-DRP8-DRDM-UNV-2/840	4978	37.8	131.8 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F32T8	*
8000 Lumens (Nominal)	FSE120-8-4L-DRP8-DRDM-UNV-2/840	6581	50.9	129.2 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F54T5HO 4x F32T8	*
12000 Lumens (Nominal)	FSE120-12-4L-DRP8-DRDM-UNV-2/840	9599	78.0	123.1 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F54T5HO 6x F32T8	*
16000 Lumens (Nominal)	FSE120-16-4L-DRP8-DRDM-UNV-2/840	12757	106.1	120.2 lm/W	-20°C / 35°C (-4°F / 95°F)	4x F54T5HO	*
24000 Lumens (Nominal)	FSE120-24-4L-DRP8-DRDM-UNV-2/840	19120	153.4	124.6 lm/W	-20°C / 35°C (-4°F / 95°F)	6x F54T5HO	*

4'	LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE (HIGH EFFICACY) PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
20	000 Lumens (Nominal)	FSE120-2HE-4L-DRP8-DRDM-UNV-2/840	1741	12.2	142.3 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F32T8	*
40	000 Lumens (Nominal)	FSE120-4HE-4L-DRP8-DRDM-UNV-2/840	3407	24.6	138.6 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F54T5HO 2x F32T8	*
60	000 Lumens (Nominal)	FSE120-6HE-4L-DRP8-DRDM-UNV-2/840	4732	34.6	136.8 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F32T8	*
80	000 Lumens (Nominal)	FSE120-8HE-4L-DRP8-DRDM-UNV-2/840	6377	47.2	135.2 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F54T5HO 4x F32T8	*
120	000 Lumens (Nominal)	FSE120-12HE-4L-DRP8-DRDM-UNV-2/840	9512	72.8	130.6 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F54T5HO 6x F32T8	*
160	000 Lumens (Nominal)	FSE120-16HE-4L-DRP8-DRDM-UNV-2/840	12842	99.1	129.6 lm/W	-20°C / 35°C (-4°F / 95°F)	4x F54T5HO	*

System data as of 3/18/25 (K-Boards). Luminaire efficiency: 2x2 - 72.6%, 2x4 - 78.6% Subject to change without notice.

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.





Please visit our website to view the most current information

reserves the right to alter specifications, dimensions, data, and/or materials without notice.

Due to continued product improvements and enhancements, Los Angeles Lighting Manufacturing Company