



SECURITY FSE120



RECESSED FLANGED SECURITY LUMINAIRE

JOB	
TYPE	
DATE	

Commercial / Office / Classroom / Corridor



2' x 4'

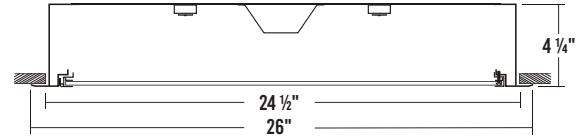
Overall dimensions including flange: 26" x 50"
Required ceiling opening: 24 1/2" x 48 1/2"



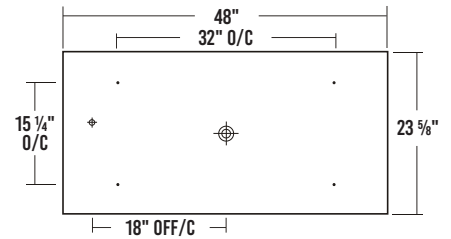
2' x 2'

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

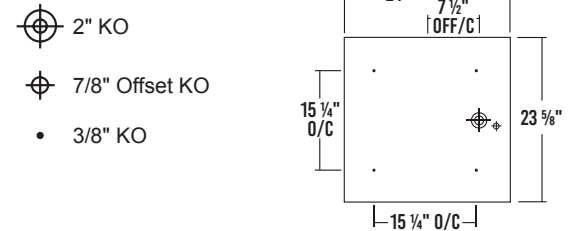
CROSS SECTION



4' BACKPLATE



2' BACKPLATE



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

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

Optical

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

Electrical

- 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%

Listing

- UL USA and Canada listed / suitable for damp locations

Warranty

- 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



Los Angeles Lighting Mfg. Co.
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ORDERING INFORMATION

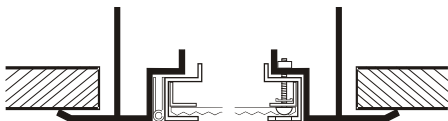
Visit www.lalighting.com/resources for additional options.

EXAMPLE: FSE120-6-4L-FSW-DRP8-BPL1.5-DRDM-UNV-2/840

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 High Efficacy 2HE - 2000 lm 3HE - 3000 lm 4HE - 4000 lm 6HE - 6000 lm 8HE - 8000 lm	2 - 2000 lm 3 - 3000 lm 4 - 4000 lm 6 - 6000 lm 8 - 8000 lm 12 - 12000 lm 2 - 2000 lm 4 - 4000 lm 6 - 6000 lm 8 - 8000 lm 12 - 12000 lm 16 - 16000 lm 24 - 24000 lm High Efficacy 2HE - 2000 lm 4HE - 4000 lm 6HE - 6000 lm 8HE - 8000 lm 12HE - 12000 lm 16HE - 16000 lm	2L • 2' 4L • 4'	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 lm emergency battery pack MS(xx) • Motion Sensor WLC(LED RU) • EnOcean Wireless Control *Leave blank if not specified	DRDM • 0-10V Dimming Driver DRDM2C • 2-Channel 0-10V 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	2 • 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 Tunable White 2700K-6500K Requires DRDM2C driver 90CRI Also available Contact customer service for additional CRI/CCT packages.

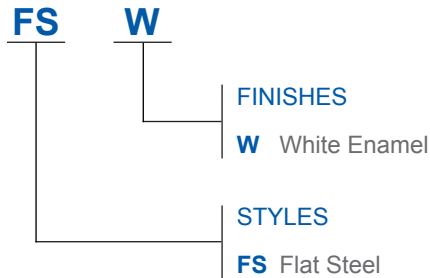
Most common options for FSE120 shown above. For additional options, including lumen packages, controls, lenses, colors/finishes, cord & plug, switches, and more, visit www.lalighting.com/resources or contact customer service.

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



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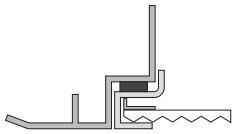


NEOPRENE GASKET

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

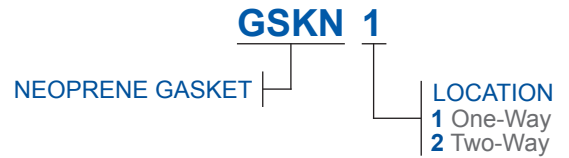
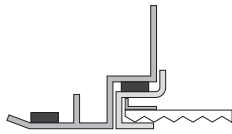
One-Way

Gasket between housing and door frame.



Two-Way

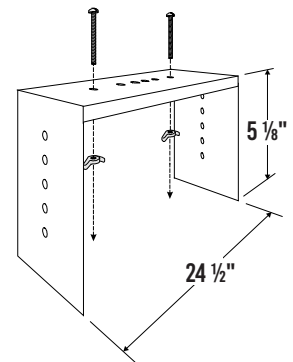
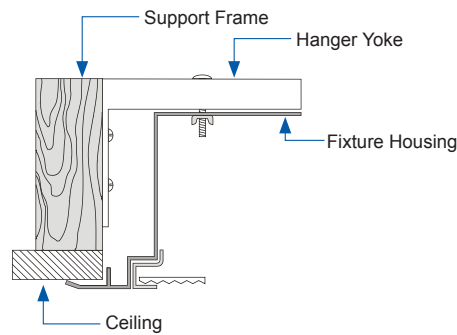
Additional gasket between housing and ceiling.



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

Normal Temp	2'	LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
			2000 Lumens (Nominal)	FSE120-2-2L-DRP8-DRDM-UNV-2/840	1548	12.1	127.8 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F32T8
		3000 Lumens (Nominal)	FSE120-3-2L-DRP8-DRDM-UNV-2/840	2448	19.7	124.5 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F17T8	*
		4000 Lumens (Nominal)	FSE120-4-2L-DRP8-DRDM-UNV-2/840	3039	24.8	122.6 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F24T5HO 4x F17T8	*
		6000 Lumens (Nominal)	FSE120-6-2L-DRP8-DRDM-UNV-2/840	4443	37.9	117.1 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F24T5HO 6x F17T8	*
		8000 Lumens (Nominal)	FSE120-8-2L-DRP8-DRDM-UNV-2/840	5889	51.5	114.3 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F54T5HO 4x F24T5HO	*
		12000 Lumens (Nominal)	FSE120-12-2L-DRP8-DRDM-UNV-2/840	8880	75.8	117.2 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F54T5HO 6x F24T5HO	*

Normal Temp High Efficacy	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	11.9	131.8 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F32T8
		3000 Lumens (Nominal)	FSE120-3HE-2L-DRP8-DRDM-UNV-2/840	2185	16.8	130.1 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F17T8	*
		4000 Lumens (Nominal)	FSE120-4HE-2L-DRP8-DRDM-UNV-2/840	3097	24.2	128.1 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	36.7	125.3 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	49.5	124.5 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F54T5HO 4x F24T5HO	*



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FSE120 LED High-Impact Trim Flanged Security Luminaire

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

Normal Temp	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	12.0	140.2 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F32T8	*
		4000 Lumens (Nominal)	FSE120-4-4L-DRP8-DRDM-UNV-2/840	3353	24.2	138.4 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	36.7	135.7 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F32T8	*
		8000 Lumens (Nominal)	FSE120-8-4L-DRP8-DRDM-UNV-2/840	6581	49.5	133.0 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	75.8	126.7 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	103.1	123.8 lm/W	-20°C / 35°C (-4°F / 95°F)	4x F54T5HO	*
		24000 Lumens (Nominal)	FSE120-24-4L-DRP8-DRDM-UNV-2/840	19120	149.0	128.3 lm/W	-20°C / 35°C (-4°F / 95°F)	6x F54T5HO	*

Normal Temp High Efficacy	4'	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-4L-DRP8-DRDM-UNV-2/840	1741	11.9	146.5 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F32T8	*
		4000 Lumens (Nominal)	FSE120-4HE-4L-DRP8-DRDM-UNV-2/840	3407	23.9	142.6 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F54T5HO 2x F32T8	*
		6000 Lumens (Nominal)	FSE120-6HE-4L-DRP8-DRDM-UNV-2/840	4732	33.6	140.8 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F32T8	*
		8000 Lumens (Nominal)	FSE120-8HE-4L-DRP8-DRDM-UNV-2/840	6377	45.8	139.2 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F54T5HO 4x F32T8	*
		12000 Lumens (Nominal)	FSE120-12HE-4L-DRP8-DRDM-UNV-2/840	9512	70.7	134.5 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F54T5HO 6x F32T8	*
		16000 Lumens (Nominal)	FSE120-16HE-4L-DRP8-DRDM-UNV-2/840	12842	96.2	133.5 lm/W	-20°C / 35°C (-4°F / 95°F)	4x F54T5HO	*

NOTE:

System data as of 6/26/25 (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.



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