



SECURITY FSE120



RECESSED FLANGED SECURITY LUMINAIRE

JOB	
TYPE	
DATE	

Commercial / Office / Classroom / Corridor



2' x 4'

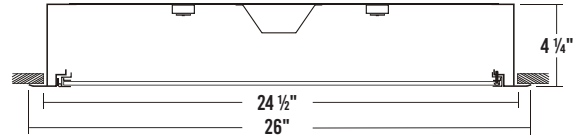
Overall dimensions including flange: 26" x 50"
Required ceiling opening: 24 1/2" x 48 1/2"



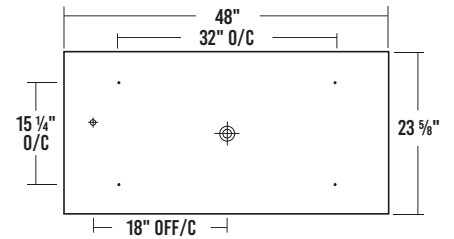
2' x 2'

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

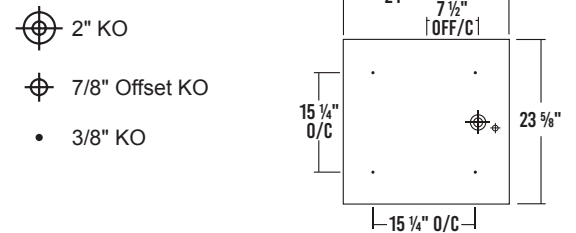
CROSS SECTION



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) $\leq 20\%$

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.

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



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Revised: 04/09/25



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



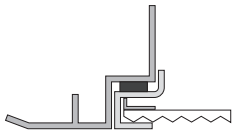
MADE IN THE USA
RAA/RABA Compliant

NEOPRENE GASKET

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

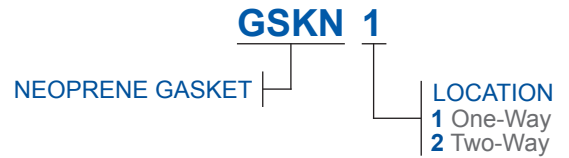
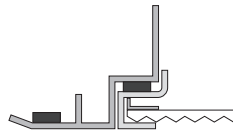
One-Way

Gasket between housing and door frame.



Two-Way

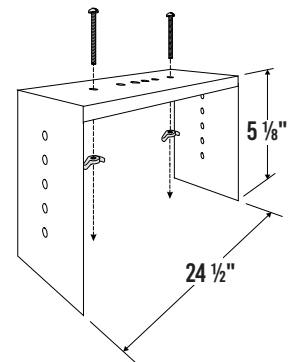
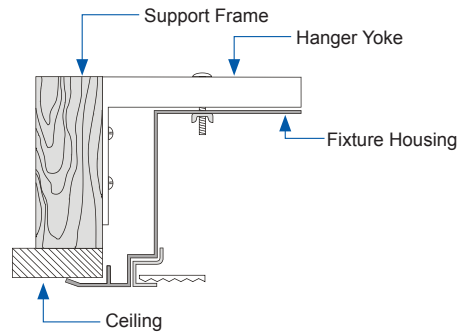
Additional gasket between housing and ceiling.



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	12.5	124.2 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F32T8	*
		3000 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	*
		4000 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	*
		6000 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	*
		8000 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	*
		12000 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	*

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	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	*



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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	12.4	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	*

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	12.2	142.3 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F32T8	*
	4000 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	*
	6000 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	*
	8000 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	*
	12000 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	*
	16000 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	*

NOTE:

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.



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