



SECURITY MSE120



SURFACE-MOUNTED SECURITY LUMINAIRE

JOB	
TYPE	
DATE	

Commercial / Office / Classroom / Corridor

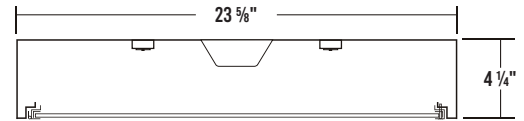


2' x 4'

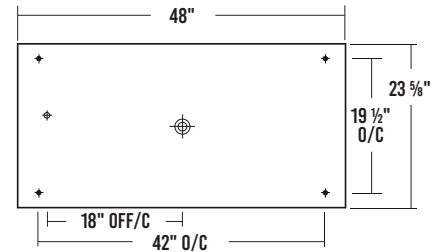


2' x 2'

CROSS SECTION

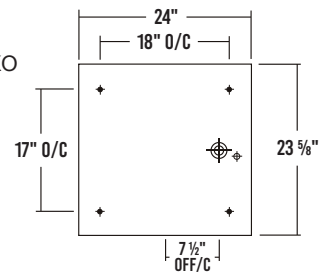


4' BACKPLATE



2' BACKPLATE

- ⊕ 2" K.O.
- ⊕ 7/8" Offset KO
- ◆ 11/16" Stem Mounting KO



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
- 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

- Sensors and controls
- Lens options
- Tunable white (2700K – 6500K)
- Emergency battery pack
- Neoprene gasket
- 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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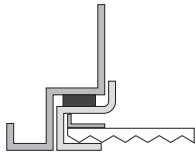
MADE IN THE USA
RAA/RABA Compliant

NEOPRENE GASKET

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

One-Way

Gasket between housing and door frame.



GSKN 1

NEOPRENE GASKET

LOCATION

1 One-Way

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)	MSE120-2-2L-DRP8-DRDM-UNV-2/840	1561	12.4	125.5 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F24T5HO 2x F17T8	*
	3000 Lumens (Nominal)	MSE120-3-2L-DRP8-DRDM-UNV-2/840	2468	20.2	122.3 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F17T8	*
	4000 Lumens (Nominal)	MSE120-4-2L-DRP8-DRDM-UNV-2/840	3064	25.5	120.3 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F24T5HO 4x F17T8	*
	6000 Lumens (Nominal)	MSE120-6-2L-DRP8-DRDM-UNV-2/840	4524	39.0	116.0 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F24T5HO 6x F17T8	*
	8000 Lumens (Nominal)	MSE120-8-2L-DRP8-DRDM-UNV-2/840	5940	53.1	111.9 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F54T5HO 4x F24T5HO	*
	12000 Lumens (Nominal)	MSE120-12-2L-DRP8-DRDM-UNV-4/840	9046	78.0	116.0 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)	MSE120-2HE-2L-DRP8-DRDM-UNV-2/840	1587	12.3	129.1 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F24T5HO 2x F17T8	*
	4000 Lumens (Nominal)	MSE120-4HE-2L-DRP8-DRDM-UNV-2/840	3122	24.9	125.5 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F24T5HO 4x F17T8	*
	6000 Lumens (Nominal)	MSE120-6HE-2L-DRP8-DRDM-UNV-2/840	4636	37.8	122.8 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F24T5HO 6x F17T8	*
	8000 Lumens (Nominal)	MSE120-8HE-2L-DRP8-DRDM-UNV-2/840	6128	50.9	120.3 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F54T5HO 4x F24T5HO	*



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MSE120 LED High Impact Surface Mount 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)	MSE120-2-4L-DRP8-DRDM-UNV-2/840	1685	12.3	137.1 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F32T8	*
	4000 Lumens (Nominal)	MSE120-4-4L-DRP8-DRDM-UNV-2/840	3317	24.9	133.3 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F54T5HO 2x F32T8	*
	6000 Lumens (Nominal)	MSE120-6-4L-DRP8-DRDM-UNV-2/840	4893	37.8	129.6 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F32T8	*
	8000 Lumens (Nominal)	MSE120-8-4L-DRP8-DRDM-UNV-2/840	6509	50.9	127.8 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F54T5HO 4x F32T8	*
	12000 Lumens (Nominal)	MSE120-12-4L-DRP8-DRDM-UNV-2/840	9611	78.0	123.2 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F54T5HO 6x F32T8	*
	16000 Lumens (Nominal)	MSE120-16-4L-DRP8-DRDM-UNV-2/840	12619	106.1	118.9 lm/W	-20°C / 35°C (-4°F / 95°F)	4x F54T5HO	*
	24000 Lumens (Nominal)	MSE120-24-4L-DRP8-DRDM-UNV-2/840	18914	153.4	123.3 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)	MSE120-2HE-4L-DRP8-DRDM-UNV-2/840	1722	12.2	141.1 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F32T8	*
	4000 Lumens (Nominal)	MSE120-4HE-4L-DRP8-DRDM-UNV-2/840	3370	24.6	137.1 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F54T5HO 2x F32T8	*
	6000 Lumens (Nominal)	MSE120-6HE-4L-DRP8-DRDM-UNV-2/840	4681	34.6	135.3 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F32T8	*
	8000 Lumens (Nominal)	MSE120-8HE-4L-DRP8-DRDM-UNV-2/840	6308	47.2	133.7 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F54T5HO 4x F32T8	*
	12000 Lumens (Nominal)	MSE120-12HE-4L-DRP8-DRDM-UNV-2/840	9529	72.8	130.8 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F54T5HO 6x F32T8	*

NOTE:

System data as of 4/11/25 (K-Boards).

Luminaire efficiency: 2x2 - 73.2%, 2x4 - 77.8%

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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