



# SURFACE MOUNT MHL320

2' WIDE HINGE AND LATCH TROFFER



JOB	
TYPE	
DATE	

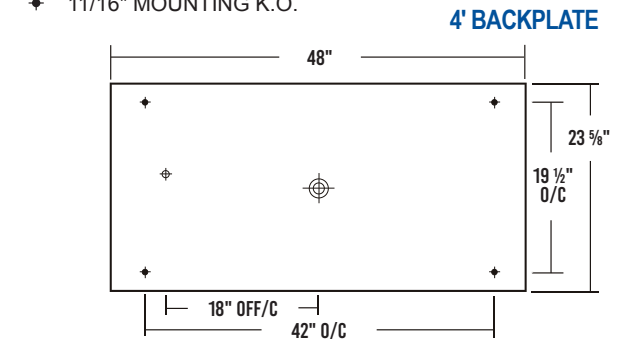
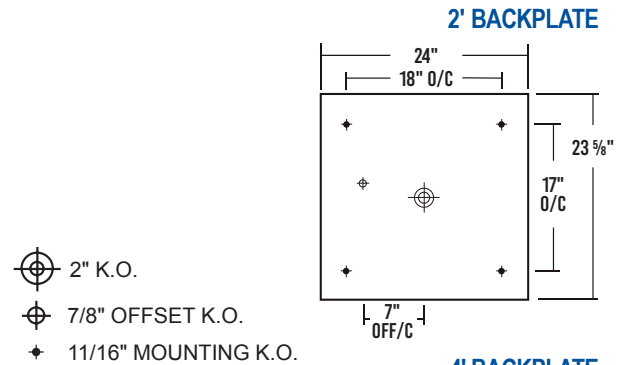
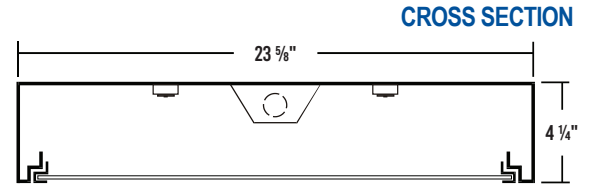
## Surface / Suspension Mounted



2' x 2'



2' x 4'



## SPECIFICATIONS

### Construction

- 22 gauge cold-rolled steel housing
- 20 gauge cold-rolled steel door frame secured by T-hinges and positive spring loaded latches
- One-way polyurethane gasket

### Finish

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

### Optical

- Clear prismatic acrylic lens

### 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)  $\geq 0.9$
- 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

- Offices, Schools, 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
- Tunable white (2700K – 6500K)
- Emergency battery pack
- Extruded aluminum door frame
- Neoprene gasket
- Customization available upon request



**Los Angeles Lighting Mfg. Co.**  
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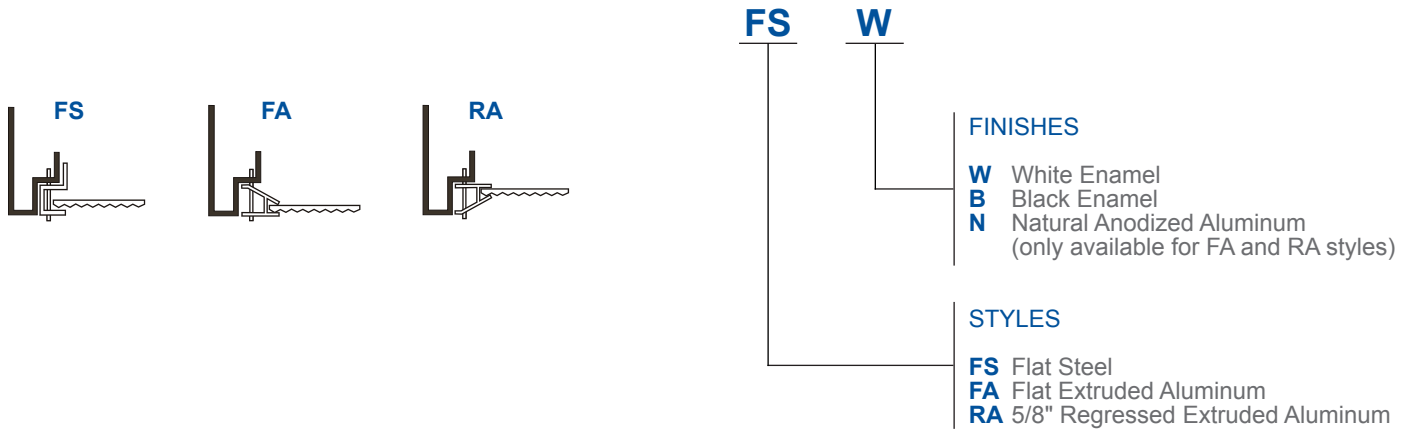
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ORDERING INFORMATION: Additional Options Available. Visit [www.lalighting.com/resources](http://www.lalighting.com/resources) for more information

EXAMPLE: MHL320-4-4L-FSW-PA-BPL1.5-DRDM-UNV-2/840										
SERIES	NOMINAL LED LUMENS	NOMINAL LENGTH	DOOR FRAME	OPTICAL	MECHANICAL	ELECTRICAL	DRIVER	VOLTAGE	# OF LED ROWS	CRI / CCT
<b>MHL320</b>									<b>2</b>	
<b>MHL320</b> • 2' Wide Hinge and Latch Flanged Troffer	2 - 2000 lm 3 - 3000 lm 4 - 4000 lm 6 - 6000 lm 8 - 8000 lm 12 - 12000 lm  <b>High Efficacy</b> 2HE - 2000 lm 3HE - 3000 lm 4HE - 4000 lm 6HE - 6000 lm 8HE - 8000 lm	<b>2L</b> • 2'  <b>4L</b> • 4'	<b>FSW</b> • Flat Steel White Enamel	<b>PA</b> • Clear Prismatic Acrylic  <b>PA2</b> • Clear Prismatic Acrylic 0.125"  <b>FPA2</b> • Frosted Prismatic Acrylic 0.125"  <b>FFWA</b> • Flat Frosted White Acrylic	<b>GSKNx</b> • Neoprene Gasket  *Leave blank for standard 1-way polyurethane gasket	<b>BPL1.5</b> • 1500 lm emergency battery pack  <b>WLC(xx)</b> • Wireless Control  *Leave blank if not specified	<b>DRDM</b> • 0-10V Dimming Driver  <b>DRDM2C</b> • 2-Channel 0-10V Dimming Driver (for Color Tunable White)  <b>DRSD</b> • Step Dimming Driver  <b>DR2W</b> • 120V 2-Wire Phase Dimming Driver (Must Specify 120V in Voltage Column)	<b>UNV</b> • 120V-277V  <b>120V</b> • 120 Volt  <b>277V</b> • 277 Volt	<b>2</b> • Two LED Rows	<b>827</b> • 80+CRI / 2700K  <b>830</b> • 80+CRI / 3000K  <b>835</b> • 80+CRI / 3500K  <b>840</b> • 80+CRI / 4000K  <b>850</b> • 80+CRI / 5000K  <b>865</b> • 80+CRI / 6500K  <b>8TW</b> • 80+CRI Tunable White 2700K-6500K Requires DRDM2C driver  <b>90CRI Also available</b>  Contact customer service for additional CRI/CCT packages.
Most common options for MHL320 shown above. For additional options, including lumen packages, controls, lenses, colors/finishes, cord & plug, switches, and more visit <a href="http://www.lalighting.com/resources">www.lalighting.com/resources</a> or contact customer service.										

**DOOR FRAME CROSS SECTION**



**OPTICAL OPTIONS**

**STANDARD LENSES FOR MHL320**

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



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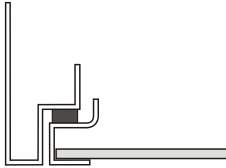
**NEOPRENE GASKET**

If Neoprene gasketing is not specified, standard 1-way polyurethane gasket will be used.



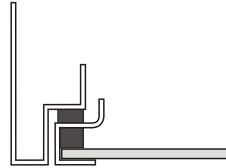
**1-WAY**

Gasket between housing and door frame. Only for FS and FA style door frames.



**2-WAY**

Additional gasket between door frame and lens. Only for FS style door frames.



**MOUNTING HARDWARE**

**CANOPY / CABLE SUSPENSION SYSTEMS**

Self-locking, one-step adjustable suspension devices with canopy

**433B**

- Canopy with cable
- No power cord
- Cable length 48" and 96"
- Max. Weight 196 lbs.

**433B-48 W**

**COLOR**

W - White  
B - Black

**CABLE LENGTH**

48 - 48 inches  
96 - 96 inches  
(other lengths as specified)

**444F**

- Feed-in canopy with straight cord
- Includes power cord
- Cable length 48" and 96"
- Max. Weight 196 lbs

**444F-48W-2C**

**# OF CIRCUITS**

2C - Two circuits  
LV - 0-10V dimming  
Blank - One circuit

**COLOR**

W - White  
B - Black

**CABLE LENGTH**

48 - 48 inches  
96 - 96 inches  
(other lengths as specified)



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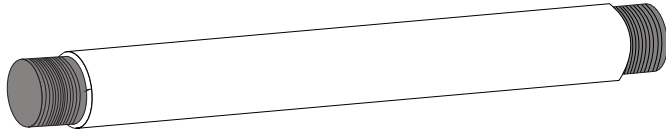
MOUNTING HARDWARE

THREADED MOUNTING STEMS

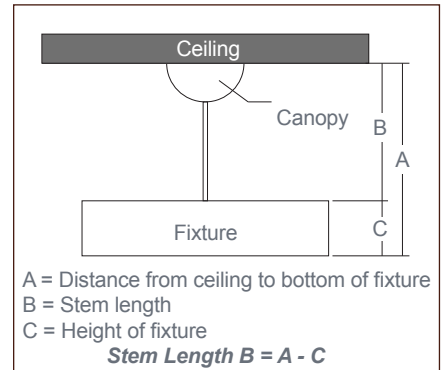
STEM

- 3/8" IPS, nominal OD 5/8"
  - Threaded 1" each end
  - 2 lock nuts provided per stem
  - Standard lengths: 6", 12", 18", 24", 30", 36", 48"
  - Baked white enamel finish
  - To order, specify length required after STEM.
- Example: **STEM12** for 12", **STEM24** for 24", etc.

Other lengths & finishes are available as specified



Stem Length Calculation



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)	MHL320-2-2L-FSW-PA-DRDM-UNV-2/840	1561	12.1	128.9 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F24T5HO 2x F17T8	*
		3000 Lumens (Nominal)	MHL320-3-2L-FSW-PA-DRDM-UNV-2/840	2468	19.7	125.6 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F17T8	*
		4000 Lumens (Nominal)	MHL320-4-2L-FSW-PA-DRDM-UNV-2/840	3064	24.8	123.6 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F24T5HO 4x F17T8	*
		6000 Lumens (Nominal)	MHL320-6-2L-FSW-PA-DRDM-UNV-2/840	4524	37.9	119.2 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F24T5HO 6x F17T8	*
		8000 Lumens (Nominal)	MHL320-8-2L-FSW-PA-DRDM-UNV-2/840	5940	51.5	115.2 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F54T5HO 4x F24T5HO	*
		12000 Lumens (Nominal)	MHL320-12-2L-FSW-PA-DRDM-UNV-2/840	9046	75.8	119.4 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)	MHL320-2HE-2L-FSW-PA-DRDM-UNV-2/840	1587	12.0	132.2 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F24T5HO 2x F17T8	*
		3000 Lumens (Nominal)	MHL320-3HE-2L-FSW-PA-DRDM-UNV-2/840	2203	16.8	131.1 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F17T8	*
		4000 Lumens (Nominal)	MHL320-4HE-2L-FSW-PA-DRDM-UNV-2/840	3122	24.2	128.9 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F24T5HO 4x F17T8	*
		6000 Lumens (Nominal)	MHL320-6HE-2L-FSW-PA-DRDM-UNV-2/840	4636	36.7	126.4 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F24T5HO 6x F17T8	*
		8000 Lumens (Nominal)	MHL320-8HE-2L-FSW-PA-DRDM-UNV-2/840	6128	49.5	123.8 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F54T5HO 4x F24T5HO	*



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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)	MHL320-2-4L-FSW-PA-DRDM-UNV-2/840	1685	12.0	140.5 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F32T8	*	
	4000 Lumens (Nominal)	MHL320-4-4L-FSW-PA-DRDM-UNV-2/840	3317	24.2	137.2 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F54T5HO 2x F32T8	*	
	6000 Lumens (Nominal)	MHL320-6-4L-FSW-PA-DRDM-UNV-2/840	4924	36.7	134.2 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F32T8	*	
	8000 Lumens (Nominal)	MHL320-8-4L-FSW-PA-DRDM-UNV-2/840	6509	49.5	131.5 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F54T5HO 4x F32T8	*	
	12000 Lumens (Nominal)	MHL320-12-4L-FSW-PA-DRDM-UNV-2/840	9610	75.8	126.8 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F54T5HO 6x F32T8	*	
	16000 Lumens (Nominal)	MHL320-16-4L-FSW-PA-DRDM-UNV-2/840	12619	103.1	122.4 lm/W	-20°C / 35°C (-4°F / 95°F)	4x F54T5HO	*	
	24000 Lumens (Nominal)	MHL320-24-4L-FSW-PA-DRDM-UNV-2/840	18914	149.0	126.9 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)	MHL320-2HE-4L-FSW-PA-DRDM-UNV-2/840	1722	11.9	144.9 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F32T8	*	
	4000 Lumens (Nominal)	MHL320-4HE-4L-FSW-PA-DRDM-UNV-2/840	3370	23.9	141.1 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F54T5HO 2x F32T8	*	
	6000 Lumens (Nominal)	MHL320-6HE-4L-FSW-PA-DRDM-UNV-2/840	4681	33.6	139.3 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F32T8	*	
	8000 Lumens (Nominal)	MHL320-8HE-4L-FSW-PA-DRDM-UNV-2/840	6308	45.8	137.6 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F54T5HO 4x F32T8	*	
	12000 Lumens (Nominal)	MHL320-12HE-4L-FSW-PA-DRDM-UNV-2/840	9529	70.7	134.7 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F54T5HO 6x F32T8	*	

**NOTE:**

System data as of 07/16/25 (K-Boards when applicable).

Luminaire efficiency: 2' luminaire- 73.2%; 4' luminaire- 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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