



# RECESSED FHL320



2' WIDE HINGE AND LATCH FLANGED TROFFER

JOB	
TYPE	
DATE	

## Recessed Flanged



2' x 2'

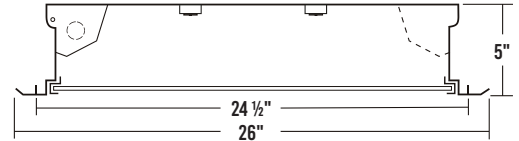
Overall dimensions including flange: 26" x 26"  
Required ceiling opening: 24 1/2" x 24 1/2"



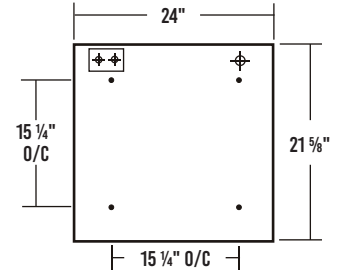
2' x 4'

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

## CROSS SECTION



## 2' BACKPLATE

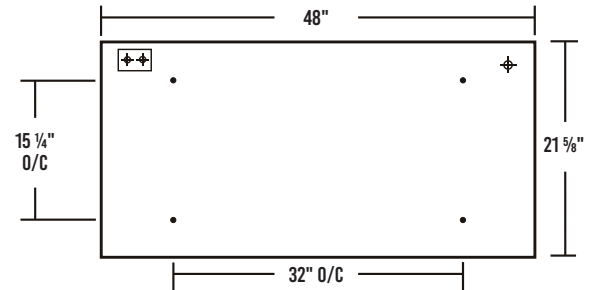


Access Plate

7/8" KO

3/8" KO

## 4' BACKPLATE



## SPECIFICATIONS

### Construction

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

### Finish

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

### 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) ≥ 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

- 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
- Painted after fabrication
- Tunable white (2700K – 6500K)
- Emergency battery pack
- 20 gauge housing
- Extruded aluminum door frame
- Neoprene gasket
- Hanger yokes
- Swing out jacks
- Customization available upon request



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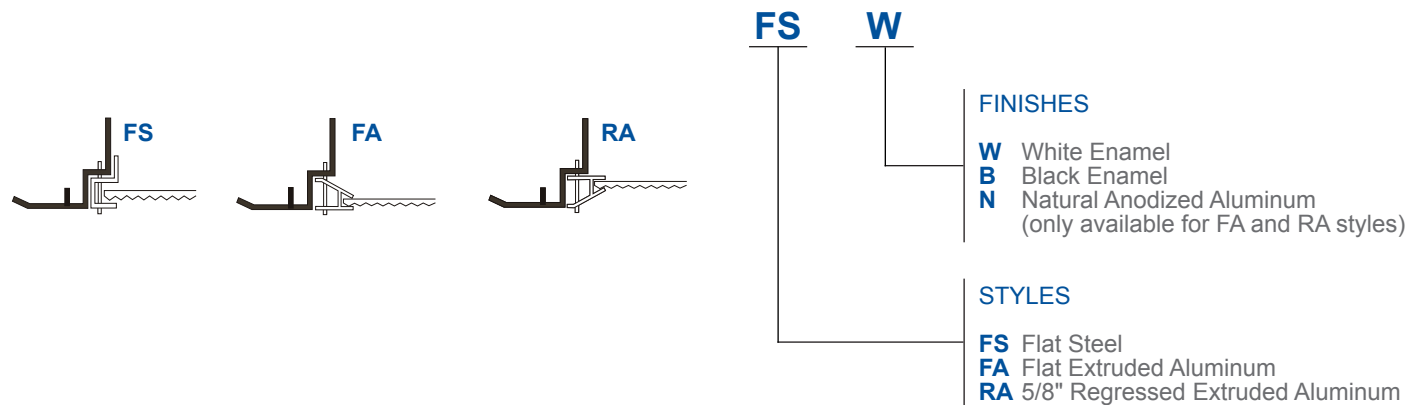
Revised: 10/10/24



ORDERING INFORMATION: Additional Options Available. Visit [www.lalighting.com/resources](http://www.lalighting.com/resources) for more information

EXAMPLE: FHL320-4-4L-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
FHL320									2	
<b>FHL320</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	2L • 2'	<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>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>UNV</b> • 120V-277V	2 • 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  <b>90CRI Also available</b>  <i>Contact customer service for additional CRI/CCT packages.</i>
	2 - 2000 lm 4 - 4000 lm 6 - 6000 lm 8 - 8000 lm 12 - 12000 lm 16 - 16000 lm 24 - 24000 lm  <b>High Efficacy</b> 2HE - 2000 lm 4HE - 4000 lm 6HE - 6000 lm 8HE - 8000 lm 12HE - 12000 lm	4L • 4'		<b>FFWA</b> • Flat Frosted White Acrylic						<i>Standard options for FHL320 shown above. For additional options, including lumen packages, controls, lenses, switches, finishes, and more, visit <a href="http://www.lalighting.com/resources">www.lalighting.com/resources</a> or contact customer service.</i>

**DOOR FRAME CROSS SECTION**



**OPTICAL OPTIONS**  
STANDARD LENSES FOR FHL320

- 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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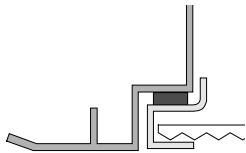
## NEOPRENE GASKET

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



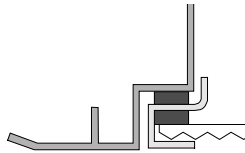
### 1-WAY

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



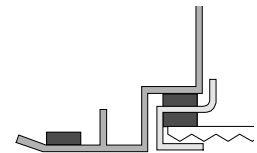
### 2-WAY

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



### 3-WAY

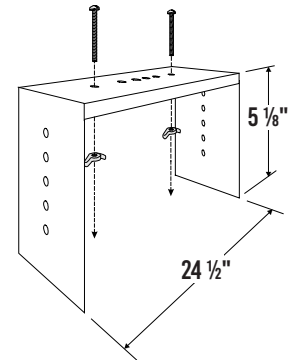
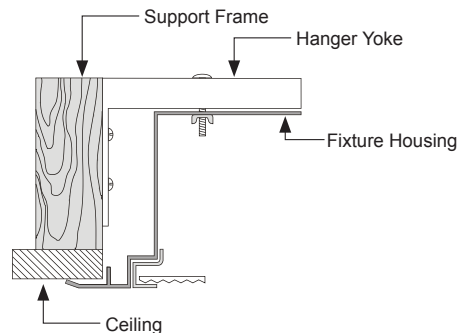
Additional gasket between housing and ceiling. Only for FS style door frames.



## MOUNTING HARDWARE

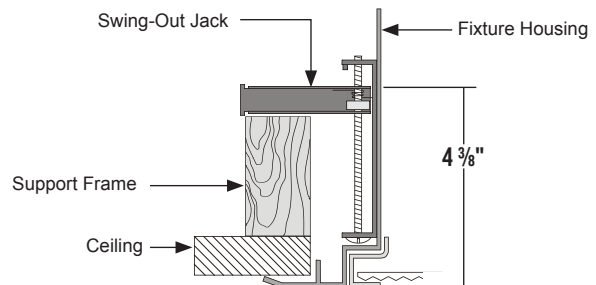
### HANGER YOKES: HS-24\_1/2

- Used to secure recessed flanged fixtures to support frame in hard ceilings
- Provided screws secure hanger yoke to fixture through knockouts in top of housing
- Two hanger yokes required for each 4' fixture.



### SWING-OUT JACKS: SOJ

- Spring-loaded adjustable mounting brackets used to secure recessed flanged fixtures to support frame in hard ceilings
- Four swing-out jacks per set; 1 set required per fixture



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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)	FHL320-2-2L-FSW-PA-DRDM-UNV-2/840	1634	12.5	131.0 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F24T5HO 2x F17T8	*
	3000 Lumens (Nominal)	FHL320-3-2L-FSW-PA-DRDM-UNV-2/840	2583	20.2	127.6 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F17T8	*
	4000 Lumens (Nominal)	FHL320-4-2L-FSW-PA-DRDM-UNV-2/840	3207	25.5	125.6 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F24T5HO 4x F17T8	*
	6000 Lumens (Nominal)	FHL320-6-2L-FSW-PA-DRDM-UNV-2/840	4676	39.1	119.7 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F24T5HO 6x F17T8	*
	8000 Lumens (Nominal)	FHL320-8-2L-FSW-PA-DRDM-UNV-2/840	6215	53.1	117.1 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F54T5HO 4x F24T5HO	*
	12000 Lumens (Nominal)	FHL320-12-2L-FSW-PA-DRDM-UNV-2/840	9361	78.0	120.0 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)	FHL320-2HE-2L-FSW-PA-DRDM-UNV-2/840	1660	12.4	134.4 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F24T5HO 2x F17T8	*
	3000 Lumens (Nominal)	FHL320-3HE-2L-FSW-PA-DRDM-UNV-2/840	2306	17.3	133.3 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F17T8	*
	4000 Lumens (Nominal)	FHL320-4HE-2L-FSW-PA-DRDM-UNV-2/840	3267	24.9	131.0 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F24T5HO 4x F17T8	*
	6000 Lumens (Nominal)	FHL320-6HE-2L-FSW-PA-DRDM-UNV-2/840	4851	37.8	128.5 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F24T5HO 6x F17T8	*
	8000 Lumens (Nominal)	FHL320-8HE-2L-FSW-PA-DRDM-UNV-2/840	6412	50.9	125.9 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F54T5HO 4x F24T5HO	*

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)	FHL320-2-4L-FSW-PA-DRDM-UNV-2/840	1743	12.4	141.1 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F32T8	*
	4000 Lumens (Nominal)	FHL320-4-4L-FSW-PA-DRDM-UNV-2/840	3429	24.9	137.5 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F54T5HO 2x F32T8	<a href="#">LA-T3960b-1</a>
	6000 Lumens (Nominal)	FHL320-6-4L-FSW-PA-DRDM-UNV-2/840	5072	37.8	134.3 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F32T8	*
	8000 Lumens (Nominal)	FHL320-8-4L-FSW-PA-DRDM-UNV-2/840	6730	50.9	132.1 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F54T5HO 4x F32T8	<a href="#">LA-T3961b-1</a>
	12000 Lumens (Nominal)	FHL320-12-4L-FSW-PA-DRDM-UNV-2/840	9822	78.0	125.9 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F54T5HO 6x F32T8	*
	16000 Lumens (Nominal)	FHL320-16-4L-FSW-PA-DRDM-UNV-2/840	13046	106.1	122.9 lm/W	-20°C / 35°C (-4°F / 95°F)	4x F54T5HO	*
	24000 Lumens (Nominal)	FHL320-24-4L-FSW-PA-DRDM-UNV-2/840	19553	153.4	127.5 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)	FHL320-2HE-4L-FSW-PA-DRDM-UNV-2/840	1780	12.2	145.5 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F32T8	*
	4000 Lumens (Nominal)	FHL320-4HE-4L-FSW-PA-DRDM-UNV-2/840	3484	24.6	141.7 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F54T5HO 2x F32T8	*
	6000 Lumens (Nominal)	FHL320-6HE-4L-FSW-PA-DRDM-UNV-2/840	4839	34.6	139.9 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F32T8	*
	8000 Lumens (Nominal)	FHL320-8HE-4L-FSW-PA-DRDM-UNV-2/840	6521	47.2	138.2 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F54T5HO 4x F32T8	*
	12000 Lumens (Nominal)	FHL320-12HE-4L-FSW-PA-DRDM-UNV-2/840	9851	72.8	135.3 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F54T5HO 6x F32T8	*

NOTE:

System data as of 9/19/24 (K-Boards).

Luminaire efficiency: 2' luminaire- 76.6%; 4' luminaire- 80.4%

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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