RECESSED FHL310

LED

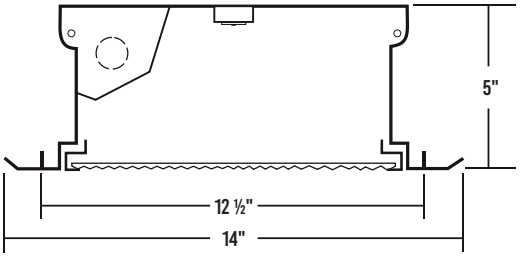
1' WIDE HINGE AND LATCH FLANGED TROFFER

JOB	
TYPE	
DATE	

Recessed Flanged

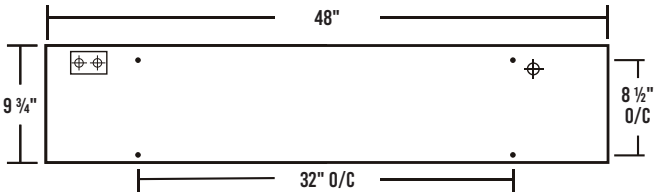
Overall dimensions including flange: 14" x 50"
Required ceiling opening: 12 1/2 " x 48 1/2"

CROSS SECTION



Access Plate
7/8" KO
3/8" KO

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

FLAT PANEL option

FEATURES
- Made in America, BABA & BAA Compliant
- 0-10V dimming driver standard
- Supports California Title 24 compliance

OPTIONS
- Range of lumen packages and color temperatures
- Flat panel optics
- 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

Los Angeles Lighting Mfg. Co.
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10141 Olney Street
El Monte, CA 91731
Made in the USA

RoHS COMPLIANT CERTIFIED

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BAA BABA compliant

ORDERING INFORMATION

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

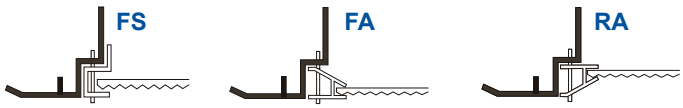
EXAMPLE: FHL310-4-4L-FSW-PA-BPL1.5-DRDM-UNV-1/840

SERIES	NOMINAL LED LUMENS	NOMINAL LENGTH	DOOR FRAME	OPTICAL	MECHANICAL	ELECTRICAL	DRIVER	VOLTAGE	LED LAYOUT	CRI / CCT
FHL310		**4L**								
FHL310 • 1' Wide Hinge and Latch Flanged Troffer	**1** - 1000 lm **2** - 2000 lm **3** - 3000 lm **4** - 4000 lm **6** - 6000 lm **8** - 8000 lm **12** - 12000 lm **High Efficacy** **1HE** - 1000 lm **2HE** - 2000 lm **3HE** - 3000 lm **4HE** - 4000 lm **6HE** - 6000 lm **8HE** - 8000 lm	**4L** • 1' x 4'	**FSW** • Flat Steel White Enamel	**PA** • Clear Prismatic Acrylic **PA2** • Clear Prismatic Acrylic 0.125" **FPA2** • Frosted Prismatic Acrylic 0.125" **FFWA** • Flat Frosted White Acrylic	**GSKNx** • Neoprene Gasket *Leave blank for standard 1-way polyurethane gasket	**BPL1.5** • 1500 lm emergency battery pack **WLC(xx)** • 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 **120V** • 120 Volt **277V** • 277 Volt	**1** • One Row **P2** • Flat Panel (Must specify FFWA in optical coumn)	**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.

Standard options for FHL310 shown above. For additional options, including lumen packages, controls, lenses, switches, finishes, and more, visit www.lalighting.com/resources or contact customer service.

DOOR FRAME

CROSS SECTION



FS W

FINISHES

W White Enamel
B Black Enamel
N Natural Anodized Aluminum (only available for FA and RA styles)

STYLES

FS Flat Steel
FA Flat Extruded Aluminum
RA 5/8" Regressed Extruded Aluminum

OPTICAL OPTIONS

STANDARD LENSES FOR FHL310

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.

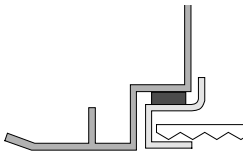
GSKN 1

NEOPRENE GASKET

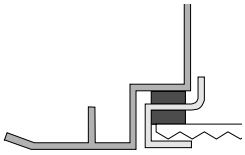
LOCATION

1 One-Way
2 Two-Way
3 Three-Way

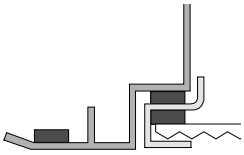
1-WAY
Gasket between housing and door frame.
Only for FS and FA style door frames.



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



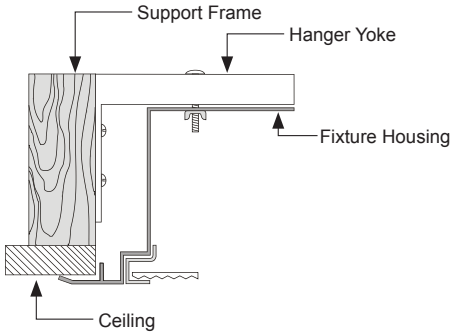
3-WAY
Additional gasket between housing and ceiling.
Only for FS style door frames.

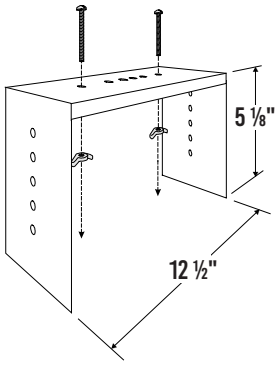


MOUNTING HARDWARE

HANGER YOKES: HS-12_1/2

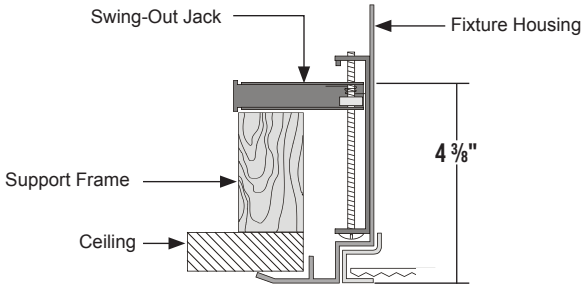
- Used to secure recessed flanged fixtures to support frame in hard ceilings
- Provided screws secure hanger yoke to fixture through knockouts in top of housing
- Two hanger yokes required for each 4' fixture.





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

4' LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
1000 Lumens (Nominal)	FHL310-1-4L-FSW-PA-DRDM-UNV-1/840	994	7.4	134.1 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F32T8	*
2000 Lumens (Nominal)	FHL310-2-4L-FSW-PA-DRDM-UNV-1/840	1637	12.5	131.3 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F32T8	LA-T3958b-1
3000 Lumens (Nominal)	FHL310-3-4L-FSW-PA-DRDM-UNV-1/840	2588	20.2	127.9 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F32T8	*
4000 Lumens (Nominal)	FHL310-4-4L-FSW-PA-DRDM-UNV-1/840	3213	25.5	125.9 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F54T5HO 2x F32T8	LA-T3959b-1
6000 Lumens (Nominal)	FHL310-6-4L-FSW-PA-DRDM-UNV-1/840	4744	39.1	121.4 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F32T8	*
8000 Lumens (Nominal)	FHL310-8-4L-FSW-PA-DRDM-UNV-1/840	6228	53.1	117.4 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F54T5HO 4x F32T8	*
12000 Lumens (Nominal)	FHL310-12-4L-FSW-PA-DRDM-UNV-1/840	9486	78.0	121.6 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F54T5HO 6x F32T8	*

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
1000 Lumens (Nominal)	FHL310-1HE-4L-FSW-PA-DRDM-UNV-1/840	1013	7.3	138.8 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F32T8	*
2000 Lumens (Nominal)	FHL310-2HE-4L-FSW-PA-DRDM-UNV-1/840	1664	12.4	134.7 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F32T8	*
3000 Lumens (Nominal)	FHL310-3HE-4L-FSW-PA-DRDM-UNV-1/840	2310	17.3	133.6 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F32T8	*
4000 Lumens (Nominal)	FHL310-4HE-4L-FSW-PA-DRDM-UNV-1/840	3274	24.9	131.3 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F54T5HO 2x F32T8	*
6000 Lumens (Nominal)	FHL310-6HE-4L-FSW-PA-DRDM-UNV-1/840	4861	37.8	128.7 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F32T8	*
8000 Lumens (Nominal)	FHL310-8HE-4L-FSW-PA-DRDM-UNV-1/840	6426	50.9	126.1 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F54T5HO 4x F32T8	*

NOTE:
System data as of 9/19/24 (K-Boards).
Luminaire efficiency: 76.8%
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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