



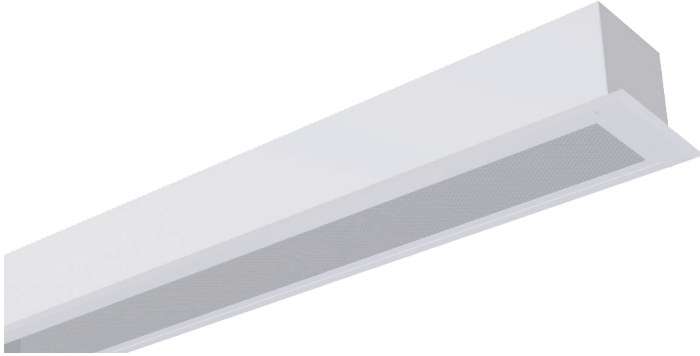
RECESSED FHL306



6" WIDE HINGE AND LATCH FLANGED TROFFER

JOB	
TYPE	
DATE	

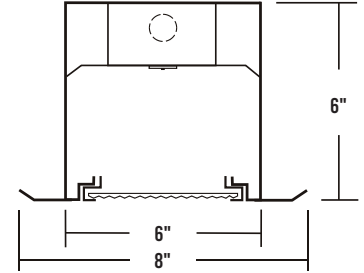
Recessed Flanged



4' Overall dimensions including flange: 8" x 50"
Required ceiling opening: 6 1/2" x 48 1/2"

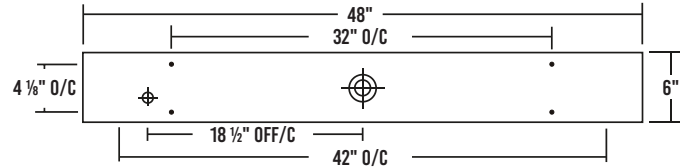
8' Overall dimensions including flange: 8" x 98"
Required ceiling opening: 6 1/2" x 96 1/2"

CROSS SECTION

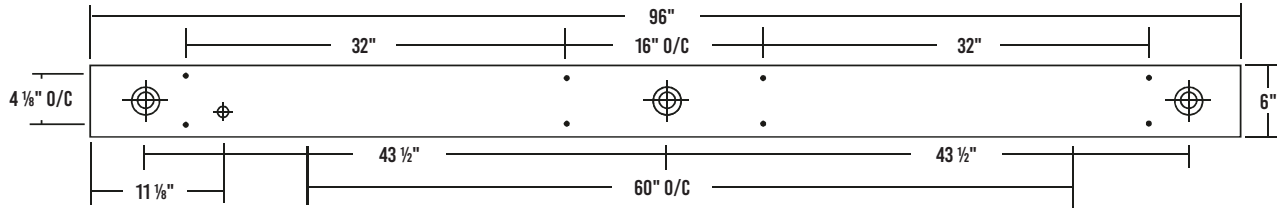


- 2" KO
- 7/8" Offset KO
- 3/8" KO

4' BACKPLATE



8' 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 welded to housing
- 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) $\leq 20\%$

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



Los Angeles Lighting Mfg. Co.
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www.lalighting.com Made in the USA



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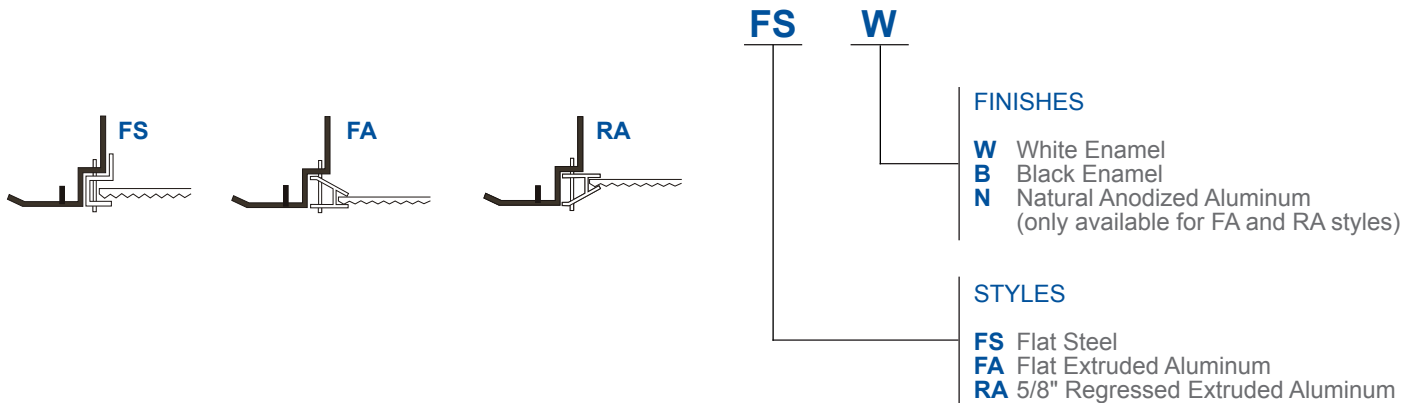


ORDERING INFORMATION: Additional Options Available. Visit www.lalighting.com/resources for more information

EXAMPLE: FHL306-4-4L-FSW-PA-BPL1.5-DRDM-UNV-1/840

SERIES	NOMINAL LED LUMENS	NOMINAL LENGTH	DOOR FRAME	OPTICAL	MECHANICAL	ELECTRICAL	DRIVER	VOLTAGE	# OF LED ROWS	CRI / CCT	
FHL306									1		
FHL306 • 6" Wide Hinge and Latch Flanged Troffer	2 - 2000 lm 4 - 4000 lm 6 - 6000 lm 8 - 8000 lm High Efficacy 2HE - 2000 lm 4HE - 4000 lm 6HE - 6000 lm 8HE - 8000 lm	4L • 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	UNV • 120V-277V	1 • One LED Row	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	
	4 - 4000 lm 8 - 8000 lm 12 - 12000 lm 16 - 16000 lm High Efficacy 4HE - 4000 lm 8HE - 8000 lm 12HE - 12000 lm 16HE - 16000 lm	8L • 8'		Standard options for FHL306 shown above. For additional options, including lumen packages, controls, lenses, switches, finishes, and more, visit www.lalighting.com/resources or contact customer service.							
	90CRI Also available							Contact customer service for additional CRI/CCT packages.			

DOOR FRAME CROSS SECTION



OPTICAL OPTIONS

STANDARD LENSES FOR FHL306

- 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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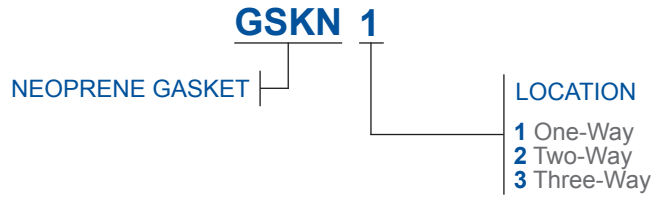
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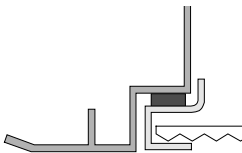
NEOPRENE GASKET

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



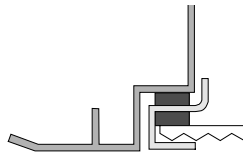
1-WAY

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



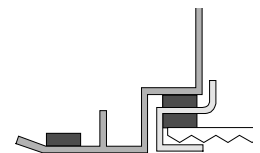
2-WAY

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



3-WAY

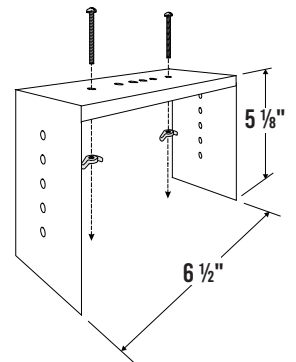
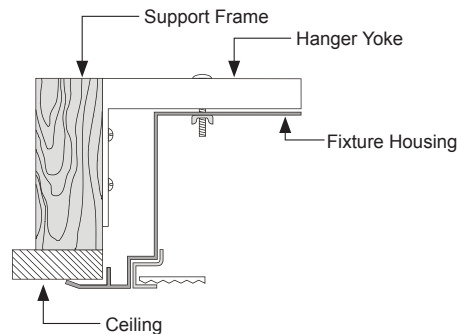
Additional gasket between housing and ceiling. Only for FS style door frames.



MOUNTING HARDWARE

HANGER YOKES: HS-6_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. Four hanger yokes required for each 8' fixture.



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FHL306 LED 6" Wide Hinge and Latch Flanged Troffer

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)	FHL306-2-4L-FSW-PA-DRDM-UNV-1/840	1013	12.5	81.3 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F32T8	*
	4000 Lumens (Nominal)	FHL306-4-4L-FSW-PA-DRDM-UNV-1/840	1989	25.5	77.9 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F54T5HO 2x F32T8	*
	6000 Lumens (Nominal)	FHL306-6-4L-FSW-PA-DRDM-UNV-1/840	2936	39.1	75.2 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F32T8	*
	8000 Lumens (Nominal)	FHL306-8-4L-FSW-PA-DRDM-UNV-1/840	3856	53.1	72.7 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F54T5HO 4x 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
	2000 Lumens (Nominal)	FHL306-2HE-4L-FSW-PA-DRDM-UNV-1/840	1030	12.4	83.4 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F32T8	*
	4000 Lumens (Nominal)	FHL306-4HE-4L-FSW-PA-DRDM-UNV-1/840	2027	24.9	81.3 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F54T5HO 2x F32T8	*
	6000 Lumens (Nominal)	FHL306-6HE-4L-FSW-PA-DRDM-UNV-1/840	3009	37.8	79.7 lm/W	-20°C / 35°C (-4°F / 95°F)	3x F32T8	*
	8000 Lumens (Nominal)	FHL306-8HE-4L-FSW-PA-DRDM-UNV-1/840	3978	50.9	78.1 lm/W	-20°C / 35°C (-4°F / 95°F)	1x F54T5HO 2x F32T8	*

Normal Temp

8'	LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
	4000 Lumens (Nominal)	FHL306-4-4L-FSW-PA-DRDM-UNV-1/840	2027	24.9	81.3 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F32T8	*
	8000 Lumens (Nominal)	FHL306-8-4L-FSW-PA-DRDM-UNV-1/840	3978	50.9	78.1 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F54T5HO 4x F32T8	*
	12000 Lumens (Nominal)	FHL306-12-4L-FSW-PA-DRDM-UNV-1/840	5873	78.0	75.3 lm/W	-20°C / 35°C (-4°F / 95°F)	6x F32T8 2x F96T8HO	*
	16000 Lumens (Nominal)	FHL306-16-4L-FSW-PA-DRDM-UNV-1/840	7711	106.1	72.7 lm/W	-20°C / 35°C (-4°F / 95°F)	4x F54T5HO 8x F32T8	*

Normal Temp
High Efficacy

8'	LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE (HIGH EFFICACY) PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
	4000 Lumens (Nominal)	FHL306-4HE-4L-FSW-PA-DRDM-UNV-1/840	2059	24.6	83.8 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F32T8	*
	8000 Lumens (Nominal)	FHL306-8HE-4L-FSW-PA-DRDM-UNV-1/840	3855	47.2	81.7 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F54T5HO 4x F32T8	*
	12000 Lumens (Nominal)	FHL306-12HE-4L-FSW-PA-DRDM-UNV-1/840	5823	72.8	80.0 lm/W	-20°C / 35°C (-4°F / 95°F)	6x F32T8 2x F96T8HO	*
	16000 Lumens (Nominal)	FHL306-16HE-4L-FSW-PA-DRDM-UNV-1/840	7763	99.1	78.4 lm/W	-20°C / 35°C (-4°F / 95°F)	2x F54T5HO 4x F32T8	*

NOTE:

System data as of 10/15/24 (K-Boards).

Luminaire efficiency: 47.5%

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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