

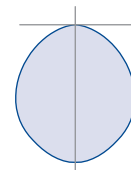
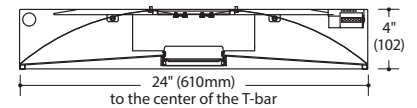
LHF Recessed Troffer

Fixture Type:

Project Name:

Ordering Guide

Feature	Code	Options	Description
Series		LHF	LHF Recessed Troffer
Ceiling Type		G NG SS DW	15/16" Grid Ceiling 9/16" Narrow Face Grid Ceiling 9/16" Screw Slot Grid Ceiling Drywall *Ceiling Type cannot be retrofitted in the field
Distribution		D	Direct
Size		14 22 24	1' x 4' Fixture 2' x 2' Fixture 2' x 4' Fixture
Diffuser		SOF BWO PRFO	Soft Diffuse Blade Baffle with Overlay Perforated Blade with Overlay
Finish/Color		C1	Matte White
Lamping		1T5 2T5 3T5 1T5HO 2T5HO 3T5HO 1T8 2T8 3T8	1-Light T5 Lamping 2-Light T5 Lamping 3-Light T5 Lamping 1-Light T5HO Lamping 2-Light T5HO Lamping 3-Light T5HO Lamping 1-Light T8 Lamping 1-Light T8 Lamping 1-Light T8 Lamping
Ballast (non-dimming T5/HO)		NPN	Electronic, program-start
Ballast (non-dimming T8)		NIN NPN NIL NPL NIH NPH	Electronic Electronic, program-start Electronic, low-wattage Electronic, low-wattage, program-start Electronic, high light output Electronic, high light output, program-start
Ballast (dimming)		010V LVD DALI LLS	0-10V Dimming Line Voltage Dimming Dali System Light Level Switching 50/100 See <i>Ballast</i> section for additional dimming ballast options
Voltage		UNV 120 277 347	Universal Voltage 120 Volt 277 Volt 347 Volt
Circuiting		1C 2C	1 Circuit 2 Circuits
Optional Features	Code	Options	Description
Fuse		F	Fuse
Nightlight		_NL	Nightlight Circuit Required. Enter quantity. 2NL = 2 lamps on nightlight circuit
Emergency		_EF	Emergency Battery Required. Enter quantity. 2EF = 2 emergency batteries/row
Chicago Environmental Air Modification		CCEA	Chicago Environmental Air Modification
Flex Whip		FW FWC FWPR FWPRC	Flex Whip Flex Whip (field-installed) Flex Whip, Plenum Rated (for CCEA only) Flex Whip, Plenum Rated (for CCEA only) field-installed



Key Features

- Hinged center media tray
- Variety of center diffusers

ICS™ Control Solutions available

Quick Find litecontrol.com

LHF

LHF Recessed Troffer

Details

Construction:

Housing: Die-formed steel. Wiring access plate on top of housing for flexible conduit attachment.

Reflectors: High-reflectance prepaint matte white steel

Center media tray: hinged

Mounting:

Row mounting of fixtures is not available.

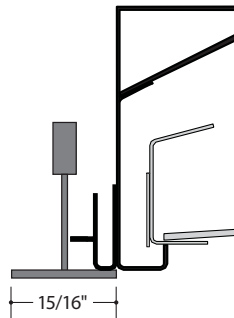
Planning for Installation

T-bar On-centers Spacing

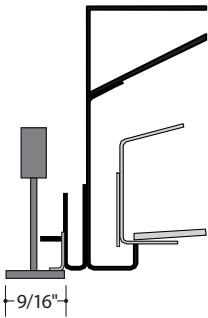
Series Number	Width	Length
LHF22	24"	24"
LHF24	24"	48"
LHF14	12"	48"

Row mounting of fixtures not available.

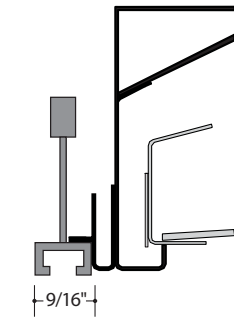
Grid Mounting Options



G Grid



NG Narrow Face Grid



SS Screw Slot

Diffuser:

SOF-Soft Diffuse High efficiency acrylic diffuser

BWO-Blade Baffle with Overlay White baffle with SOF overlay (4% efficiency reduction)

PRFO-Perforated Blade with Overlay Perforated metal with SOF overlay (28% efficiency reduction)

Finish/Color:

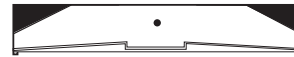
Pre-finished matte white.

Lamping:

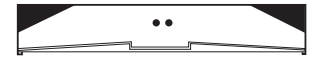
Available in one, two or three--lamp T5/T5HO & T8 cross-sections.

Cross-section lamping

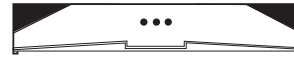
(shown in 2' x 4' or 2' x 2' also available in 1' x 4')



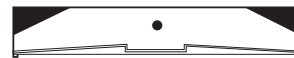
1-T5 or T5HO



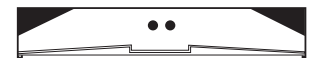
2-T5 or T5HO



3-T5 or T5HO



1-T8



2-T8



3-T8

Ballast:

Electronic (**ELB**), high power factor, thermally protected Class P, Sound Rated A, manufactured by a UL Listed manufacturer, as available, determined by Litecontrol. Ballasts with a voltage range of 120 to 277 will be used when fixture configuration and ballast availability allow. The minimum number of ballasts will be used.

Additional Dimming Ballast Options:

LE30	Lutron EcoSystem-3 Wire	(Normal Ballast Factor)
LEH0	Lutron EcoSystem-H Series	(Normal Ballast Factor)
LEH7	Lutron EcoSystem-H Series	(High Ballast Factor)
LEI0	Lutron EcoSystem-Intelligent	(Normal Ballast Factor)
LH3D	Lutron HiLume 3D-3 Wire	(Normal Ballast Factor)
LH37	Lutron HiLume 3D-3 Wire	(High Ballast Factor)
LHHL	Lutron HiLume-Traditional	(Normal Ballast Factor)
LHID	Lutron HiLume-3D Intelligent	(Normal Ballast Factor)
LHI7	Lutron HiLume-3D Intelligent	(High Ballast Factor)

Circuiting:

1C (1 Circuit) Fixture wired for a single circuit.

2C (2 Circuit) Fixture wired for two circuits.

Fuse:

Slow or fast blow; determined by Litecontrol.

Details (continued)

Nightlight:

See separate LC-Nightlight spec sheet for additional details.

Emergency:

Battery-powered ballast from a listed manufacturer will operate one lamp for 90 minutes.

Chicago Environmental Air Modification:

Fixture meets CCEA luminaire requirements.

Flex Whip:

(FW) Flex Whip-3/8" flex conduit. 6' length. 90° connector on fixture end.
18 gauge wiring.

(FWC) Flex Whip (field-installed)

(FWPR) Flex Whip (plenum-rated)

(PWPRC) Flex Whip (plenum-rated, field-installed)

Ratings:

cULus listed for damp locations. IBEW. AF of L. IC Rated.

Warranty:

1 year

see www.litecontrol.com for details

LHF Recessed Troffer

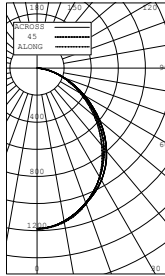
Photometry

Fixture: LHF-XX-D-22-SGL-C1-2T8

Lamping: 2-T8

Efficiency: 72%

Test report:



ZONAL LUMENS AND PERCENTAGES

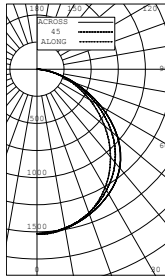
ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	551	20.40	28.38
0-40	908	33.64	46.78
0-60	1584	58.68	81.61
0-90	1941	71.91	100.00
40-90	1033	38.27	53.22
60-90	357	13.22	18.39
90-180	0	0.00	0.00
0-180	1941	71.91	100.00

Fixture: LHF-XX-D-24-SGL-C1-2T8

Lamping: 2-T8

Efficiency: 80%

Test report:



ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	1180	22.61	28.17
0-40	1936	37.09	46.21
0-60	3396	65.06	81.06
0-90	4190	80.26	100.00
40-90	2294	43.17	53.79
60-90	794	15.20	18.94
90-180	0	0.00	0.00
0-180	4190	80.26	100.00