Catalog # : _____ Project : _____ Type : _____

Prepared By : _____ Date : _____

Field Selectable Troffer (OPT)

Recessed, surface mount



OVERVIEW	
Lumen Range (lm)	2,950 - 6,750
CCT(K)	3500-4000-5000
Wattage Range(W)	25 - 48
Efficacy Range (LPW)	120 - 144
Weight lbs (kg)	OPT22 - 9 (4.1) OPT14 - 10 (4.5) OPT24 - 15 (6.8)

QUICK LINKS

Ordering Guide | Performance | Dimensions

FEATURES & SPECIFICATIONS

Construction

- Available in 2x2, 1x4, and 2x4 (ft) form factors.
- Available in 3500K, 4000K or 5000K CCT as well as three different lumen output levels, all in one unit using two externally accessible slider switches. The switches can be easily accessed to change the CCT or lumen output before, during or after install depending on the desired light level and color temperature for the application.
- Minimum CRI of 80.

Optical System

- High-transmission diffuse acrylic radial lens eliminates bright spots from individual LEDs and provides high vertical illuminance and visual comfort.
- State of the art LED chips for reliability and extended lumen maintenance.

Electrical

- 0-10V volt dimming (10% - 100%) standard.
- Standard Universal Voltage (120-277 VAC) Input 50/60 Hz.
- L70 Calculated Life: >50k Hours.
- Total harmonic distortion (THD): <20%.
- Power factor (PF): >.90.
- Optional 120V-277V integral battery pack is available. Battery backup provides 90 min. of standby lighting in the event of power loss. A remote test switch/indicator button is installed in the housing for ease of maintenance.

Controls

- Available with AirLink™ Blue. AirLink™ Blue (ALB) is a low-power wireless Bluetooth mesh control system. AirLink™ Blue wireless control system, with technology partner Silvair, incorporates Luminaire Level Lighting Controls (LLLC) and high-end trim.
- The optional integrated AirLink™ Blue fixture controller (ALBC) is used to dim the fixture based on motion or daylight levels continually monitored by external ALB sensors.

Installation

- Rigid reflector and end sections are die-formed cold rolled steel for consistency and strength.
- Fixture backplate includes integral T-bar clips for installation onto standard 15/16" and narrow 9/16" T-grid ceilings.
- Default settings for fixture are 4000K and High lumen output.

Warranty

- LSI luminaires carry a 5-year limited warranty. Refer to https://www.lsicorp.com/resources/terms-conditions-warranty/ for more information.
- 1 Year warranty on optional Battery Backup. Test regularly in accordance with local codes.

Listings

- Listed to UL® 1598 and UL® 8750.
- RoHS Compliant.
- Title 24 Compliant; see local ordinance for qualification information.
- Suitable For Damp Locations.
- CCEA (Chicago Plenum) approved construction available.
- DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC Premium qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

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ORDERING GUIDE

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TYPICAL ORDER EXAMPLE: OPT24 LED FS2 UNV DIM ALBC

Prefix	Light Source	Lumen Package	Voltage	Driver	Options
OPT22 - 2x2 **OPT14** - 1x4 **OPT24** - 2x4	**LED**	**FS1** - Field Selectable[1,2,3] **FS1** - Field Selectable[1,2,3] **FS2** - Field Selectable[1,2,3,4] 3500-4000-5000K CCT, 80 CRI min. Default: Max lumens, 4000K CCT	**UNV** - 120 - 277VAC	**DIM** - Dims to 10% (0-10V dimming)	**Blank** - None **ALBC** - Integrated AirLink™ Blue (Silvair) Fixture Controller **EM** - 10W Emergency Backup **EMCP** - 10W Emergency Backup (Plenum Rated) **FC15D** - 6' 3/8 (5) #18 Leads (for use in dimming applications) **FC16D** - 6' 3/8 (6) #18 Leads (for use in dimming applications with EM)[5] **CPL** - Chicago Plenum **WxxCyy** - Factory locked power and CCT settings. Example W25C35 - 25W, 3500K (see performance tables for available settings)

Need more information?
Click here for our glossary

Have additional questions?
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ACCESSORY ORDERING INFORMATION (Accessories are field installed)

Part Number	Description
M20027	2x2 Flange Kit Recess Mount
698880	1x4 Flange Kit Recess Mount
M20028	2x4 Flange Kit Recess Mount
772276	SMK22 - 2x2 Surface Mount Kit
772275	SMK14 - 1x4 Surface Mount Kit
772278	SMK24 - 2x4 Surface Mount Kit

PERFORMANCE

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Delivered Lumens - OPT 2X2 FS1 *Default Setting

Lumen Package	3500K		4000K		5000K	
	Delivered Lumens	LPW	Delivered Lumens	LPW	Delivered Lumens	LPW
FS1	2,970	124	3,248	135	3,053	127
FS1	3,616	120	3,954	136	3,717	124
FS1	4,026	123	4403*	135	4,139	127

Electrical Data - Current Draw AMPS

Wattage	120V	208V	240V	277V
25W	0.3A	0.2A	0.1A	0.1A
30W	0.3A	0.1A	0.1A	0.1A
34W	0.2A	0.1A	0.1A	0.1A

Delivered Lumens - OPT 1X4 FS1 *Default Setting

Lumen Package	3500K		4000K		5000K	
	Delivered Lumens	LPW	Delivered Lumens	LPW	Delivered Lumens	LPW
FS1	3406	136	3597	144	3480	139
FS1	3962	132	4184	139	4325	144
FS1	4377	129	4622	136	4777	141

Electrical Data - Current Draw AMPS

Wattage	120V	208V	240V	277V
25W	0.21	0.12	0.10	0.09
30W	0.25	0.14	0.13	0.11
34W	0.28	0.16	0.14	0.12

1 Refer to performance table for delivered lumens based on Wattage/CCT Combination
2 Default setting is highest wattage
3 Default setting is 4000K
4 Only available with OPT24

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PERFORMANCE

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Delivered Lumens - OPT 2X4 FS1						*Default Setting
Lumen Package	3500K		4000K		5000K	
	Delivered Lumens	LPW	Delivered Lumens	LPW	Delivered Lumens	LPW
FS1	3243	131	3452	142	3356	136
FS1	3824	127	4066	140	3964	132
FS1	4230	124	4509*	137	4383	129

Delivered Lumens - OPT 2X4 FS2						*Default Setting
Lumen Package	3500K		4000K		5000K	
	Delivered Lumens	LPW	Delivered Lumens	LPW	Delivered Lumens	LPW
FS2	5,005	132	5,441	144	5,130	136
FS2	5,639	126	6,130	142	5,780	130
FS2	6,203	129	6743*	140	6,358	132

Electrical Data - Current Draw AMPS				
Wattage	120V	208V	240V	277V
25W	0.2A	0.1A	0.1A	0.1A
30W	0.3A	0.1A	0.1A	0.1A
34W	0.3A	0.2A	0.1A	0.1A

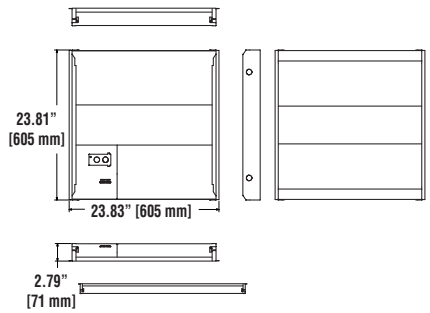
Electrical Data - Current Draw AMPS				
Wattage	120V	208V	240V	277V
38W	0.3A	0.2A	0.2A	0.1A
43W	0.4A	0.2A	0.2A	0.2A
48W	0.4A	0.2A	0.2A	0.2A

Recommended Lumen Maintenance[5]			
Ambient Temperature	Initial[6]	25K hrs.[6]	50K hrs.[6]
0 C	100%	96%	91%
10 C	100%	96%	91%
20 C	100%	96%	91%
25 C	100%	96%	91%
30 C	100%	96%	91%
40 C	100%	95%	91%
50 C	100%	96%	91%

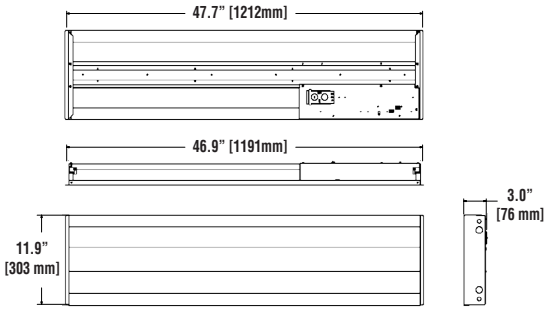
DIMENSIONS

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2x2

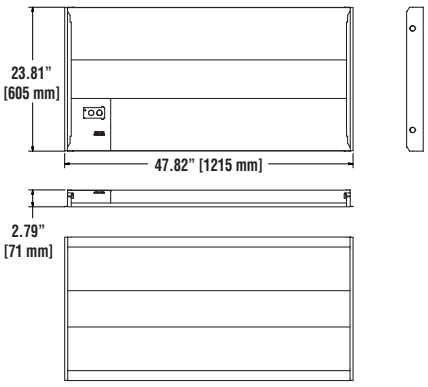


1x4



Shipping Weights	
OPT22 FS	10 lbs (4.5 kg)
OPT14 FS	12 lbs (5.5 kg)
OPT24 FS	16 lbs (7.3 kg)

2x4



1 Refer to performance table for delivered lumens based on Wattage/CCT Combination
2 Default setting is highest wattage
3 Default setting is 4000K
4 Only available with OPT24
5 Lumen maintenance values at 40C are calculated per TM-21 based on LM-80 data and in-situ testing.
6 In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times the IESNA LM-80-08 total test duration for the device under testing.
7 In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times the IESNA LM-80-08 total test duration for the device under testing.

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