SFP24
Edge-lit LED Panel

The ultra-thin, edge-lit LED panel (SFP24) series is designed to deliver general ambient lighting in a variety of settings, including schools, offices, hospitals and stores, and is the perfect choice for both new construction and retrofits. This high efficacy luminaire provides long-life and uniform illumination, as well as standard 0-10v dimming capability.

Features & Specifications

Optical System

- Laser etched PMMA Light Guide Plate for uniform lighting
- Smooth patterned impact-resistant white diffuse lens provides high visual comfort.
- Utilizes edge-lit technology, provides full diffusion with excellent uniformity.
- 120° beam angle provides high vertical illumination.
- Available in 5000K, 4000K and 3500K color temperatures.
- Minimum CRI of 80.

Electrical

- High-performance driver features over-voltage, under voltage, short-circuit and over temperature protection.
- 0-10 volt dimming (10% - 100%) standard.
- Standard Universal Voltage (120-277 Vac) Input 50/60 Hz.
- L70 Calculated Life: >50k Hours
- Total harmonic distortion: <20%
- Operating temperature: -25°C to +45°C (-13°F to +113°F)
- Power factor: >.90
- Input power stays constant over life.
- Optional 120v-277v integral emergency battery pack is available to meet critical life-safety lighting requirements. The 90-minute batteries provide constant power to the LED system, ensuring code compliance. A test switch/indicator button is installed in the housing for ease of maintenance. Consult factory for availability.

Construction

- Rigid frame is die-formed code gauge steel and aluminum for consistency and strength.
- Mounting pan comes equipped with integral NEC compliant earthquake clips.
- Ultra-slim < 2" luminaire height and lightweight design effectively target a broad range of plenum/wall spaces and allow for easy installations.

Dimmable · c UL us LISTED · RoHS COMPLIANT · DLC QPL LISTED · FC · damp location · QUICK SHIP

Dimensions
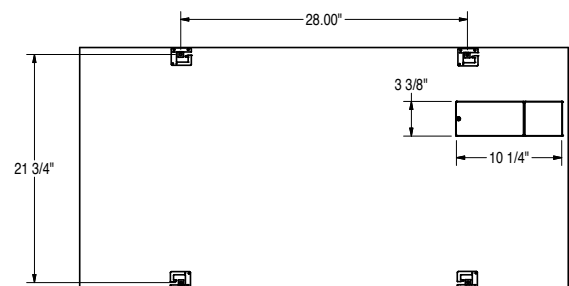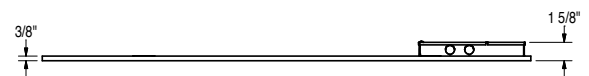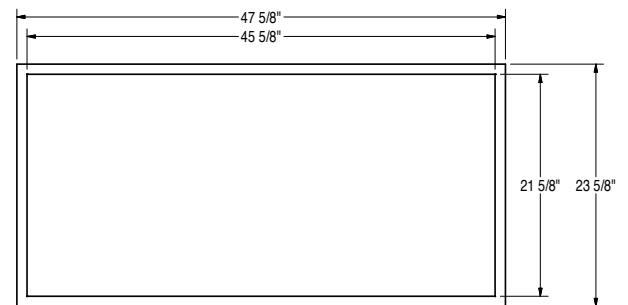
Features & Specifications (Cont.)

- Luminaire is painted after fabrication following treatment with phosphate rust inhibitor. Finish coating of housing reflecting surfaces is with high-reflectance white (minimum 92%) polyester powder.
- Shipping weight: 16.5 lbs in carton.

Installation

- Luminaire installs by lifting it through grid ceiling and resting it on the T-bars.
- Luminaire installs onto standard 15/16" and narrow 9/16" T-grid ceiling systems.
- An accessory flange kit is available for installing into drywall or plaster.
- Optional surface mount or suspended 4 point aircraft cable mount is available via accessory kits.

Warranty

- LSI LED Fixtures carry a 5-year warranty.
- 1 Year warranty on optional Battery Back Up. Test regularly in accordance with local codes.

Listing

- Listed to UL 1598 and UL 8750.
- RoHS Compliant.
- DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.
- Lighting Facts Approved.
- Suitable For Damp Locations.
- IC Rated

Performance

DELIVERED LUMENS						
3500K		4000K		5000K		
Delivered Lumens	LPW	Delivered Lumens	LPW	Delivered Lumens	LPW	Wattage
5,052	101	5,000	100	5,338	107	50

*LED Chips are frequently updated therefore values may increase.

ELECTRICAL DATA			
120V	208V	240V	277V
0.42A	0.24A	0.21A	0.18A

*Electrical data at 25C (77F). Actual wattage may differ by +/-10%.

Luminaire Ordering Guide

TYPICAL ORDER EXAMPLE:	**SFP24 LED 50 UE DIM 40**

Family/Size	LED Gen	Lumen Package	Voltage	Driver	Color Temperature	Options
SFP24 - (2x4)	LED	50 - 5000 Lumens	UE - Universal Voltage (120-277V)	DIM - Dims to 10% (0-10v dimming)	35 - 3500K 40 - 4000K 50 - 5000K	EM - Emergency Backup[1]

Note:

1 - Consult factory for availability.

Accessory Ordering Information (Accessories are field installed)

Description	Order Number
Surface-Mount kit	650327
Suspension-Mount kit	650324
Flange Kit 2x4	FK24

Frame Kits for Surface Mount Panels

Item	Part No. & Specification
	Part: SFPSMK24 For 23.74" X 47.76" panel surface mounted Dimension: 24.02" x 48.03" x 2.17" White color finished

Hanging Steel Wire for Panels

Item	Part No. & Specification
	Part: SFPACK6 1 set with 6pcs 1.5m steel wire, 6pcs wire lock, 6pcs plastic nails 6pcs screw Use for 1x4 and 2x4 rectangle panel hanging installation

Approved Dimming Controls Maximum of eight fixtures allowed per dimming circuit.

| Manufacturer	Product	Model	Order Number
LSI	0-10V Dimmer	DS10	596066
LSI	Wall Switch Sensor with 0-10V Dimmer	WS10-OS	632700WHT

Photometry

Luminaire photometry has been conducted by a NVLAP accredited testing laboratory in accordance with IESNA LM-79-08.
As specified by IESNA LM-79-08 the entire luminaire is tested as the source resulting in a luminaire efficiency of 100%.

See http://www.lsi-industries.com/products/led-lighting-solutions.aspx for detailed photometric data

SFP24
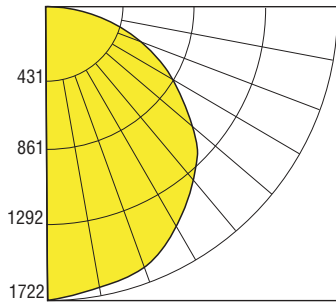
ZONAL LUMEN SUMMARY		
ZONE	**LUMENS**	**% OF LUMINAIRE**
0-20	621.06	12.40
0-30	1323.09	26.50
0-40	2171.71	43.40
0-60	3867.69	77.30
0-80	4872.51	97.40
0-90	4999.51	100.00
10-90	4838.45	96.80
20-40	1550.65	31.00
20-50	2438.83	48.80
40-70	2320.1	46.40
60-80	1004.82	20.10
70-80	380.70	7.60
80-90	127.00	2.50
90-180	0.98	0.00
0-180	5000.49	100.00