

Catalog # :

Project :

Prepared By :

Date :



SFP14 Edge-lit LED Panel

The ultra-thin, edge-lit LED panel (SFP14) series is designed to deliver general ambient lighting in a variety 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

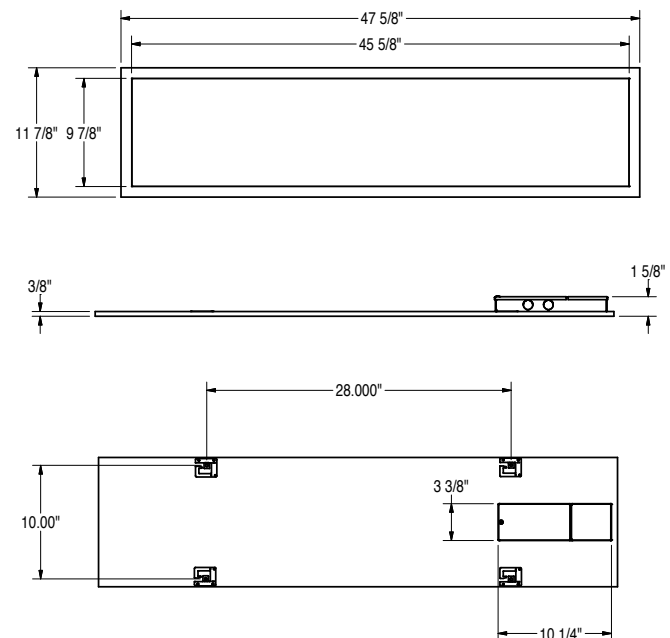
- High-performance driver features over-voltage, under voltage, short-circuit and over temperature protection.
- 0-10 volt dimming (10% - 100%) standard.
- Standard Universal Voltage (120-277 Vac) Input 50/60 Hz.
- L70 Calculated Life: >50k Hours
- Total harmonic distortion: <20%
- Operating temperature: -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



Dimensions





Features & Specifications (Cont.)

broad range of plenum/wall spaces and allow for easy installations.

- 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: 9.5 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		Wattage
Delivered Lumens	LPW	Delivered Lumens	LPW	Delivered Lumens	LPW	
3,808	95	4,000	100	3,961	99	40

*LED Chips are frequently updated therefore values may increase.

ELECTRICAL DATA			
120V	208V	240V	277V
0.33A	0.19A	0.17A	0.14A

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



Luminaire Ordering Guide

TYPICAL ORDER EXAMPLE: **SFP22 LED 40 UE DIM 40**


Family/Size	LED Gen	Lumen Package	Voltage	Driver	Color Temperature	Options
SFP14 - (1x4)	LED	40 - 4000 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	650325
Suspension-Mount kit	650324
Flange Kit 1x4	642793


Frame Kits for Surface Mount Panels

Item	Part No. & Specification
	Part: SFPSMK14 For 12" x 47.76" panel surface mounted Dimension: 12.21" x 48.03" x 2.17" White color finished

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

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

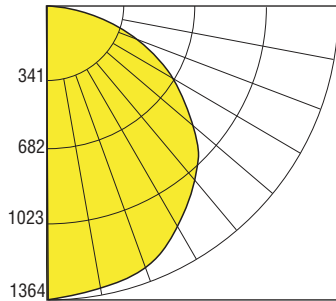


Photometry

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

SFP14



ZONAL LUMEN SUMMARY		
ZONE	LUMENS	% OF LUMINAIRE
0-20	492.14	12.30
0-30	1049.3	26.20
0-40	1724.45	43.10
0-60	3082.14	77.10
0-80	3896.89	97.40
0-90	3999.21	100.00
10-90	3871.64	96.80
20-40	1232.31	30.80
20-50	1941.59	48.50
40-70	1862.8	46.60
60-80	814.75	20.40
70-80	309.65	7.70
80-90	102.32	2.60
90-180	0.66	0.00
0-180	3999.87	100.00