# SFP HIGH OUTPUT
## Field Selectable Edge-lit Panel
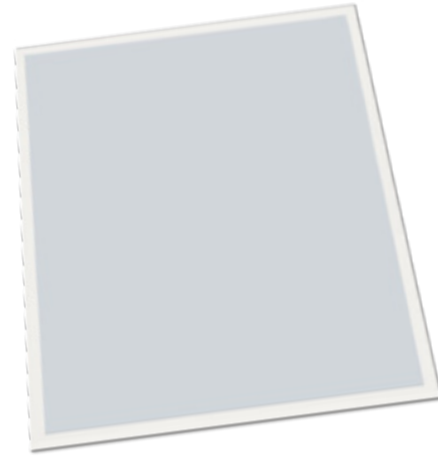
| OVERVIEW | |
|---|---|
| Lumen Range (lm) | 3,050 - 6,600 |
| CCT (K) | 3500K, 4000K, 5000K |
| Wattage Range (W) | 25 - 55 |
| Efficacy Range (LPW) | 110 - 128 |
| Weight lbs (kg) 2x2 | 6.2 (2.8) |
| 2x4 | 13.5 (6.1) |
| Controls | 0-10V, QCALBMSD, ALBC |

## QUICK LINKS

## FEATURES & SPECIFICATIONS

### Construction

- Fixture backplate includes integral T-bar clips for installation onto standard 15/16" T-grid ceiling or 9/16" narrow T-grid.
- Optional surface mount, flange, and suspension kits available.

### Optical System

- PMMA (Acrylic) diffuser and light guide for high light transmission and optical efficiency.
- 120° beam angle provides high vertical illuminance levels.
- Available in 3500K, 4000K, 5000K all in one unit for convenience and flexibility. 9 possible combinations between CCT and lumen output.

### Electrical

- Preset at 4000K and highest wattage. Selections can be changed in the field before, during or after installation.
- Ability to lock CCT and lumen output - please consult factory with requirements.
- 0 - 10 Volt dimming (10% - 100%) standard.
- Standard Universal Voltage (120-277 VAC) Input 50/60 Hz.

- L70 Calculated Life: >100k Hours
- Total harmonic distortion: <20%
- Operating temperature:  -25°C to +40°C (-13°F to +113°F)
- Power factor: >0.90
- Optional factory-installed or field installed battery backup for standby lighting. Constant power is provided to the LED system for 90 minutes or longer 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. ALB provides significant energy savings while ensuring code compliance and security.
- 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.
- Available with 3rd party controls. Check out the ordering guide for compatibility.

### 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

- Certified 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.
- Suitable For Damp Locations.

# SFP HIGH OUTPUT

**Have questions?** Call us at (800) 436-7800

## ORDERING GUIDE

| TYPICAL ORDER EXAMPLE: | SFP24 | LED | FS2 | UNV | DIM | | |
|---|---|---|---|---|---|---|---|
| **Prefix** | **LED** | **Lumen Package** | | **Voltage** | **Dimming** | **Color Temperature** | **Options** |
| **SFP22** - 2x2 <br><br> **SFP24** - 2x4 | **LED** | **FS2** - Field Selectable <br> 3,050 - 3,450 - 5,100 lm <br> 3500 - 4000 - 5000K [1, 2] <br><br> **FS2 –** Field Selectable <br> 3,650 - 4,550 - 6,600 lm <br> 3500 - 4000 - 5000K 1, 2 | | **UNV** - Universal Voltage (120V-277VAC) | **DIM** - Dims to 10% (1 - 10V) | **Blank** - Field Selectable[3] | **Blank** - Standard <br><br> **QCR25** - Quick Control Receptacle 2.5mm (see accessories ordering table) <br><br> **ALBC** - AirLink™ Blue (ALB) Fixture Controller <br><br> **AVCM** - Avi-on IFA integrated wireless controller 5 Amp 120-277VAC <br><br> **EM** - 10W Emergency Backup <br><br> **EMCP** - 10W Emergency Backup (Plenum rated) <br><br> **FC15D** - 6' (5 conductor) #18 Leads (for use in dimming applications) <br><br> **FC16D** - 6' (6 conductor) #18 Leads (for use in dimming applications) [4] |

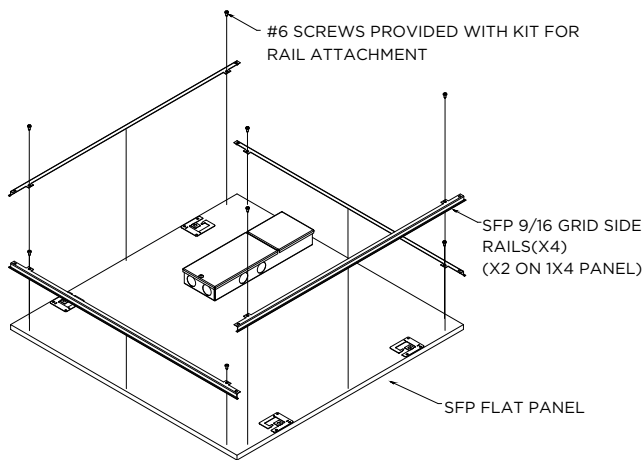Need more information?
Click here for our glossary

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## ACCESSORY ORDERING INFORMATION (Accessories are field installed)

| Part Number | Description |
|---|---|
| QCALBMSD25 | Quick Control AirLink Blue Motion Sensor with Daylight Harvesting |
| See Frame Kit Table | Surface-Mount kit |
| 650324 | Suspension-Mount Kit |
| M20028 | Flange Kit 2x4 |
| M20027 | Flange Kit 2x2 |
| M20026 | Flange Kit 1x4 |
| 735433 | 9/16" Narrow Recessed Grid Kit 2x4 |
| 735431 | 9/16" Narrow Recessed Grid Kit 2x2 |
| 736096 | 9/16" Narrow Recessed Grid Kit 1x4 |

For information on AirLink Blue controls, please visit
https://www.lsicorp.com/product/airlink-blue/



#6 SCREWS PROVIDED WITH KIT FOR RAIL ATTACHMENT

SFP 9/16 GRID SIDE RAILS(X4)
(X2 ON 1X4 PANEL)

SFP FLAT PANEL

- REMOVE SCREWS IN BACK OF PANEL THAT ALIGN WITH ATTACHMENT POINTS ON RAILS. USE PROVIDED #6 SCREWS TO SECURE RAILS TO BACK OF PANEL.

## FRAME KITS FOR SURFACE MOUNT PANELS

| Item | Part No. & Specification |
|---|---|
|  | Part: **SFPSMK24** <br><br> Dimension: 24.02" x 48.03" x 3" <br> White color finished |
|  | Part: **SFPSMK14** <br><br> Dimension: 12.21" x 48.03" x 3" <br> White color finished |
|  | Part: **SFPSMK22** <br><br> Dimension: 24.02" x 24.02" x 3" <br> White color finished |

## HANGING STEEL WIRE FOR PANELS

| Item | Part No. & Specification |
|---|---|
|  | Part: **SFPACK6** <br><br> 1 set with 6pcs 1.5m steel wire, 6pcs wire lock, 6pcs plastic nails  6pcs screw <br> 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 | WS10-0S | 632700WHT |

1 - Refer to performance table for delivered lumens based on Wattage/CCT Combination
2 - Default setting is highest wattage

3 - Default setting is 4000K and highest lumen output
4 - Only available with EM units

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Type : _____

## PERFORMANCE

### Delivered Lumens*

| Lumen Package | Wattage | 3500K CCT | | 4000K CCT | | 5000K CCT | |
|---|---|---|---|---|---|---|---|
| | | Lumens | Efficacy | Lumens | Efficacy | Lumens | Efficacy |
| **2x2** | 45 | 4830 | 112 | 5061 | 122 | 4931 | 115 |
| | 30 | 3339 | 110 | 3479 | 120 | 3374 | 112 |
| | 25 | 3045 | 116 | 3172 | 126 | 3076 | 118 |
| **2x4** | 55 | 6348 | 119 | 6616 | 128 | 6396 | 119 |
| | 40 | 4382 | 114 | 4565 | 122 | 4428 | 114 |
| | 30 | 3648 | 114 | 3800 | 122 | 3686 | 114 |

*LED Chips are frequently updated therefore values may increase.

### Electrical Data (Amps)*

| Lumen Package | Wattage | 120V | 208V | 277V |
|---|---|---|---|---|
| **2x2** | 45 | 0.36 | 0.21 | 0.16 |
| | 30 | 0.24 | 0.14 | 0.10 |
| | 25 | 0.21 | 0.12 | 0.09 |
| **2x4** | 55 | 0.45 | 0.26 | 0.19 |
| | 40 | 0.31 | 0.18 | 0.13 |
| | 30 | 0.26 | 0.15 | 0.11 |

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

### Lumen Maintenance[1] (SFP24 FS2)

| Ambient Temp C | Initial [2] | 25k hr [2] | 50k hr [2] | 100k hr [3] |
|---|---|---|---|---|
| **0 C** | 100% | 96% | 92% | 84% |
| **10 C** | 100% | 96% | 92% | 84% |
| **20 C** | 100% | 96% | 92% | 84% |
| **25 C** | 100% | 96% | 92% | 84% |
| **30 C** | 100% | 96% | 92% | 84% |
| **40 C** | 100% | 96% | 91% | 82% |
| **50 C** | 100% | 95% | 90% | 80% |

1 - Lumen maintenance values at 25°C are calculated per TM-21 based on LM-80 data and in-situ luminaire testing.
2 - In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times (6X)the
    IESNA LM-80-08 total test duration (in hours) for the device under testing ((DUT) i.e. the packaged LED chip).
3 - In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times NA LM-80-08 total test duration (in
    hours) for the device under testing ((DUT) i.e. the packaged LED chip).

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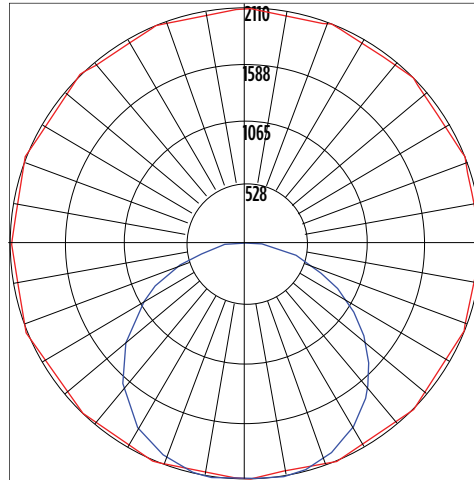
## PHOTOMETRICS

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 the individual product page on https://www.lsicorp.com/ for detailed photometric data.

### SFP24-LED-FS2-55W-4000K

**Zonal Lumen Summary**

| Zone | Lumens | %Fixt |
|------|--------|-------|
| 0-20 | 784.96 | 11.9 |
| 0-30 | 1694.78 | 25.6 |
| 0-40 | 2821.79 | 42.6 |
| 0-60 | 5124.61 | 77.5 |
| 0-80 | 6473.84 | 97.8 |
| 0-90 | 6616.28 | 100 |
| 10-90 | 6416.13 | 97 |
| 20-40 | 2036.83 | 30.8 |
| 20-50 | 3234.53 | 48.9 |
| 40-70 | 3157.43 | 47.7 |
| 60-80 | 1349.23 | 20.4 |
| 70-80 | 494.62 | 7.5 |
| 80-90 | 142.44 | 2.2 |
| 0-180 | 6616.28 | 100 |
| 90-120 | 971.2 | 19.6 |
| 90-130 | 1,418.1 | 28.6 |
| 90-150 | 1,996.8 | 40.2 |
| 90-180 | 2,286.4 | 46.1 |
| 110-180 | 1,806.3 | 36.4 |
| 0-180 | 4,961.8 | 100.0 |

**Polar Curve**



## PRODUCT DIMENSIONS

**2x4**



**2x2**