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|-------------|----------------|
| Project     |                |
| Date        |                |
| Prepared by |                |
| Model #     | FPH1-2240S35-1 |

# FPH1-SERIES

## 2X2 HYBRID FLAT PANEL



### OVERVIEW

The FPH1-Series Hybrid LED Flat Panel ceiling light is a high performance LED panel that uses a unique back-lit design to provide a longer lasting lighting solution that replaces traditional fluorescent lighting or low-end edge-lits found in offices, hospitals, schools and more.

### PRODUCT HIGHLIGHTS

- Back-lit design requires no light guide plate
- Lightweight design (30% lighter than edge-lit flat panels)
- Unique “waffle” pan design makes it exceptionally strong (won't bow/flex when hung)
- Flicker-free with 0-10V, PWM, & resistance dimming
- Post-painted white aluminum frame to fit any decor
- Designed to easily fit into existing suspended T-bar ceilings or hang via aircraft cable (optional accessory)
- Available in 3500K, 4000K and 5000K



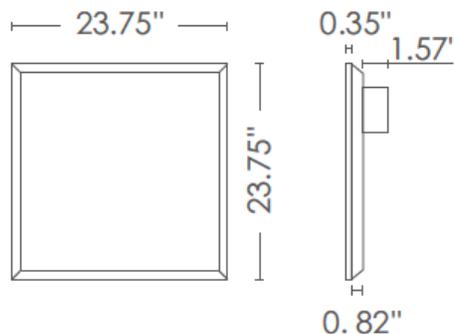
#### OPTICAL SPECIFICATIONS

|                                |          |                                       |         |
|--------------------------------|----------|---------------------------------------|---------|
| Lumen Output (lm) <sub>1</sub> | 4496 lm  | Beam Angle (°) <sub>1</sub>           | 110°    |
| CCT (K) <sub>1</sub>           | 3500K    | Projected Lifetime (L <sub>70</sub> ) | >50,000 |
| CRI (Ra) <sub>1</sub>          | 81       | Chromaticity Shift (K)                | 245K    |
| Efficacy (lm/W) <sub>1</sub>   | 104 lm/W |                                       |         |

#### ELECTRICAL SPECIFICATIONS

|                 |                   |   |        |
|-----------------|-------------------|---|--------|
| Power           | 40W               | Current Draw at 120V <sub>AC</sub> (A) <sub>2</sub> | 0.3A   |
| System Wattage  | 42.98 W           | Current Draw at 208V <sub>AC</sub> (A) <sub>2</sub> | 0.18A  |
| Input Voltage   | 100-277V          | Current Draw at 240V <sub>AC</sub> (A) <sub>2</sub> | 0.155A |
| Replacement For | U-bend lamp - 32W | Current Draw at 277V <sub>AC</sub> (A) <sub>2</sub> | 0.13A  |

#### PRODUCT DIMENSION



| CONSTRUCTION            |  | APPROVALS AND LISTINGS |             |
|-------------------------|--|------------------------|-------------|
| Housing Material        | Aluminum Frame   | DLC                    | PLKQHVDAT5L |
| Housing Color           | White  |                        |             |
| Dimensions (inch/mm)    | 603mm (L) x 603mm (W) x 70mm (H)<br>23.74" (L) x 23.74" (W) x 2.74" (H)                  | Damp Location Rated    | Yes         |
| Weight                  | 2.15 kg / 4.74 lbs   | UL/ETL Listed          | cULus       |
| Installation Method     | Recessed mount for T-bar ceilings<br>Optional Methods (Not included):<br>Aircraft Cables |                        |             |
| Operation Range (°F/°C) | -20°C to +40°C /<br>-4°F to +104°F   |                        |             |
| Warranty                | 5 years  |                        |             |

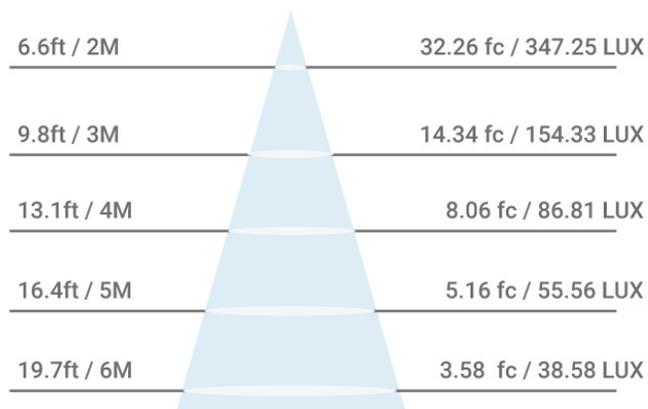
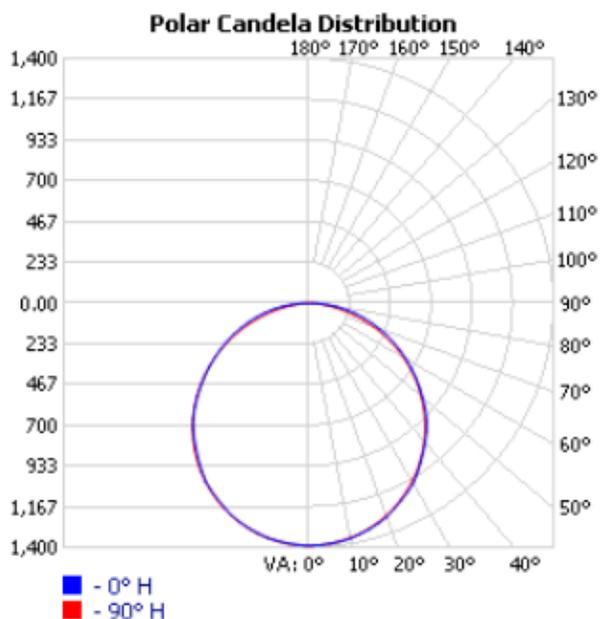
### LED AND DRIVER SPECIFICATIONS

|                      |   |                       |                     |
|----------------------|---|-----------------------|---------------------|
| LED Design Origin    | Nationstar                                | THD (%)               | 10.21 %             |
| LED (Brand)          | China                                     | Inrush Current (A)    | <60A                |
| LED Type             | 2835                                      | Driver Class          | Class 2             |
| Dimmable             | Yes (0-10V, PWM, Resistance) Flicker Free | Surge Protection (kV) | L-N:1KV, L-N-GD:2KV |
| Output Voltage (VDC) | 25-42V                                    | Driver Band           | Lifud               |
| Power Factor         | 0.9204                                    |                       |                     |

### OPTIONAL ACCESSORIES

|            |                                       |
|------------|---------------------------------------|
| AC-22      | Aircraft Cables for 2x2 Flat Panels   |
| FPH-22SMK1 | Surface Mount Kit for 2x2 Flat Panels |

### CANDELA ILLUMINANCE AT A DISTANCE



1. Due to the special conditions of manufacturing, the typical data of optical specifications can only reflect statistical figures and do not necessarily correspond to the actual parameters of each single product which could differ from the typical data.  
2. Exceeding maximum ratings for input voltage and current will cause hazardous overload and will likely destroy the LED fixture.  
3. Refer to Warranty Terms & Conditions available at [premiseled.com/warranty](http://premiseled.com/warranty)