



|             |                |
|-------------|----------------|
| Project     |                |
| Date        |                |
| Prepared by |                |
| Model #     | FPH2-2220P35-3 |

# FPH2-SERIES 2X2 HYBRID FLAT PANEL



## OVERVIEW

The FPH2-Series Hybrid LED Flat Panel ceiling light is a high performance LED panel that uses a unique backlit 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

- Up to 136 lm/W
- Lightweight design for quicker installs
- Large 5.9" x 4" junction box makes daisy chaining connections quick and easy
- Low profile: will fit into any plenum space and directly into existing suspended T-bar ceilings
- Available in 100-347VAC



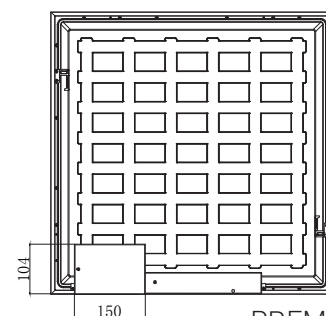
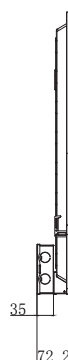
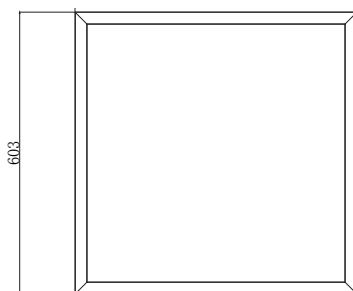
### OPTICAL SPECIFICATIONS

|                                |             |                                       |         |
|--------------------------------|-------------|---------------------------------------|---------|
| Lumen Output (lm) <sub>1</sub> | 2656 lm     | Beam Angle (°) <sub>1</sub>           | 120°    |
| CCT (K) <sub>1</sub>           | 3500K       | Projected Lifetime (L <sub>70</sub> ) | >60,000 |
| CRI (Ra) <sub>1</sub>          | 82.2        | Chromaticity Shift (K)                | ±275    |
| Efficacy (lm/W) <sub>1</sub>   | 130.39 lm/W |                                       |         |

### ELECTRICAL SPECIFICATIONS

|                     |            |                                                     |        |
|---------------------|------------|-----------------------------------------------------|--------|
| Power               | 20W        | Current Draw at 120V <sub>AC</sub> (A) <sub>2</sub> | 0.173A |
| Apparent Power (VA) | 20.75VA    | Current Draw at 208V <sub>AC</sub> (A) <sub>2</sub> | 0.103A |
| System Wattage      | 20.37W     | Current Draw at 240V <sub>AC</sub> (A) <sub>2</sub> | 0.092A |
| Input Voltage       | 100-347VAC | Current Draw at 277V <sub>AC</sub> (A) <sub>2</sub> | 0.083A |
| Replacement For     | 2x20W T8   | Current Draw at 347V <sub>AC</sub> (A) <sub>2</sub> | 0.067A |

### PRODUCT DIMENSIONS



## CONSTRUCTION

|                             |                                       |                                |                               |
|-----------------------------|---------------------------------------|--------------------------------|-------------------------------|
| <b>Housing Material</b>     | 6063 Aluminum                         | <b>Weight</b>                  | 2.22kg / 4.89lbs              |
| <b>Housing Color</b>        | White                                 | <b>Installation Method</b>     | Recessed, Suspension, Surface |
| <b>Lens Material</b>        | PMMA                                  | <b>Operation Range (°F/°C)</b> | -20°C to 45°C, -4°F to 113°F  |
| <b>Dimensions (inch/mm)</b> | 23.74"*23.74"*2.8"/603mm*603mm*72.2mm | <b>Warranty</b>                | 5 years                       |

## APPROVALS AND LISTINGS

|                            |              |                      |        |
|----------------------------|--------------|----------------------|--------|
| <b>DLC Premium</b>         | PLHMF01TPRJO | <b>IP Rating</b>     | IP20   |
| <b>Damp Location Rated</b> | Yes          | <b>UL/ETL Listed</b> | cETLus |

## LED AND DRIVER SPECIFICATIONS

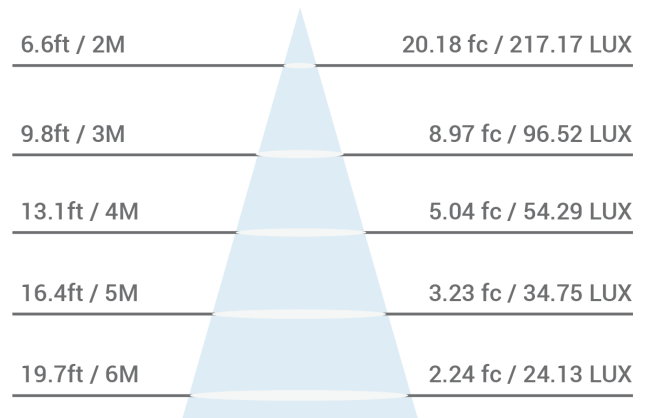
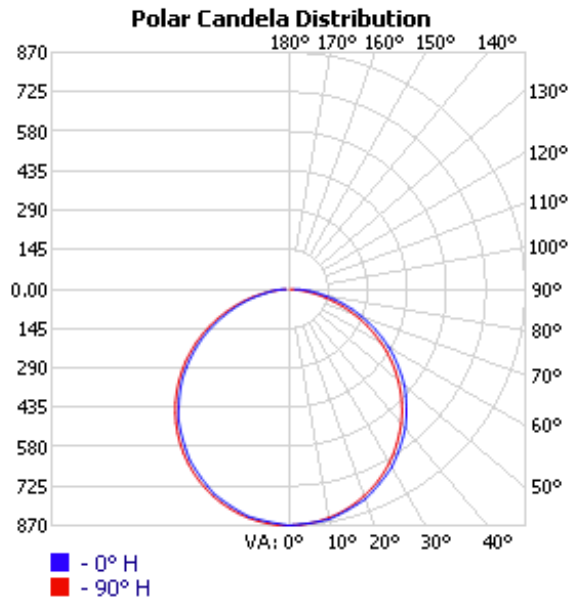
|                             |            |                              |                       |
|-----------------------------|------------|------------------------------|-----------------------|
| <b>LED Type</b>             | 2835       | <b>THD (%)</b>               | 21.26%                |
| <b>Dimmable</b>             | Yes, 0-10V | <b>Inrush Current (A)</b>    | 30A                   |
| <b>Output Voltage (VDC)</b> | 36-45VDC   | <b>Driver Class</b>          | Class 2               |
| <b>Power Factor</b>         | 0.886      | <b>Surge Protection (kV)</b> | L - N 1KV ;L/N-PE 2KV |

## OPTIONAL ACCESSORIES

|                                                                                   |                                                                |                                                                                   |                                                            |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------|
|  | <b>FPH-ACK11</b><br>Aircraft Cable for 1x4 and 2x2 Flat Panels |  | <b>FPH-22SMK1</b><br>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)