



Project	
Date	
Prepared by	
Model #	<b>FPH1-2240S50-1</b>

# 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



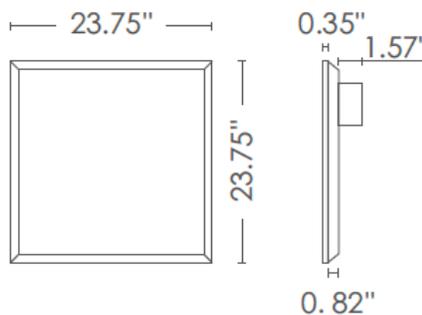
### OPTICAL SPECIFICATIONS

Lumen Output (lm) <sub>1</sub>	4737 lm	Beam Angle (°) <sub>1</sub>	110°
CCT (K) <sub>1</sub>	5000K	Projected Lifetime (L <sub>70</sub> )	>50,000
CRI (Ra) <sub>1</sub>	82	Chromaticity Shift (K)	283K
Efficacy (lm/W) <sub>1</sub>	111 lm/W		

### ELECTRICAL SPECIFICATIONS

Power	40W	Current Draw at 120V <sub>AC</sub> (A) <sub>2</sub>	0.3A
System Wattage	42.33 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

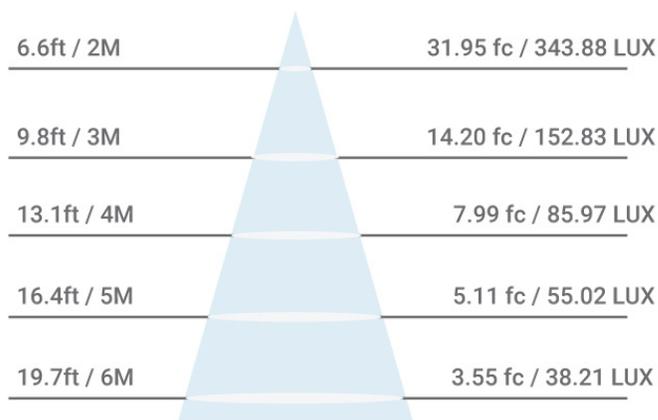
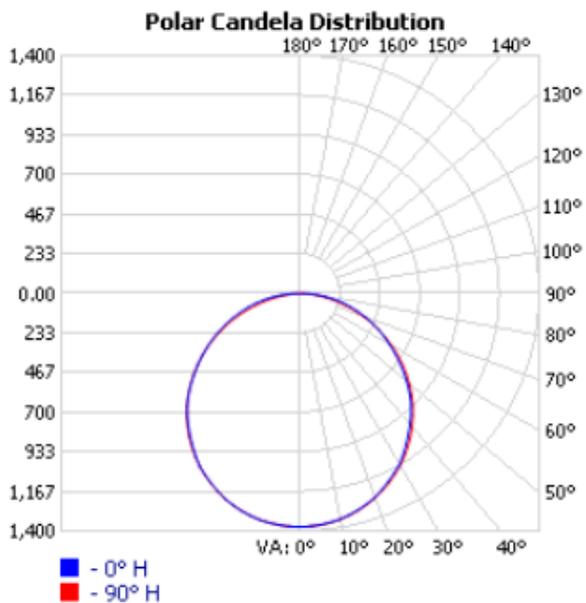


CONSTRUCTION		APPROVALS AND LISTINGS	
Housing Material	Aluminum Frame	DLC	PLDK9ATKYQN4
Housing Color	White		
Dimensions (inch/mm)	603mm (L) x 603mm (W) x 70mm (H) 23.74" (L) x 23.74" (W) x 2.74" (H)	Damp Location Rated	Yes
Weight	2.15 kg / 4.74 lbs		
Installation Method	Recessed mount for T-bar ceilings Optional Methods (Not included): Aircraft Cables	UL/ETL Listed	cULus
Operation Range (°F/°C)	-20°C to +40°C / -4°F to +104°F		
Warranty	5 years		

LED AND DRIVER SPECIFICATIONS			
LED Design Origin	Nationstar	THD (%)	11.05 %
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	0.9171		

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

CANDELA	ILLUMINANCE AT A DISTANCE
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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)