

LED PurEssentials Purifying Panel Luminaires

Product Specifications



TCP's LED PurEssentials Purifying Panels offer our traditional panel design combined with our leading-edge purifying technology. The Purifying Panel features both a built-in, enclosed ultraviolet light along with a HEPA filter to safely and effectively filter and remove particles, viruses, and bacteria.

Applications: T-bar Grid Ceilings

Reasons to choose the LED PurEssentials Purifying Panels from TCP

- Features centrifugal fan and enclosed UV light to trap and kill viruses and bacteria within the unit
- Three convenient modes, controlled via remote: light and purification, light only, purification only
- Features a HEPA filter to filter out PM2.5 particles as air is being circulated
- Color selectable in 3500K/4100K/5000K to fit a variety of settings

Ideal Applications

- Office
- Schools
- Restaurants
- Retail Stores
- Hospitality
- Healthcare

Specifications

Input Line Voltage	120-277 VAC
Input Line Frequency (Hz)	50/60Hz
Wattage (W)	
2x2 Total.....	60W
UVC Wattage.....	20W
LED Wattage	40W
2x4 Total.....	70W
UVC Wattage.....	20W
LED Wattage	50W
Lumens (l)	
2x2	4200L
2x4	5100L
Lumens per Watt (LPW).....	>100 LPW
LED Panel Rated Life.....	50,000 Hours
UVC System Rated Life.....	10,000 Hours ^{1,2}
Minimum Starting Temperature	-10°C
Maximum Operating Temperature.....	40°C
CRI	80
Power Factor	>90%
THD	<20%
Ratings	UL/cUL Damp Location, IP42, IC Rating
Controls.....	0-10V dimming (standard)

1. It is recommended to change the UV bulb every 5000 hours.

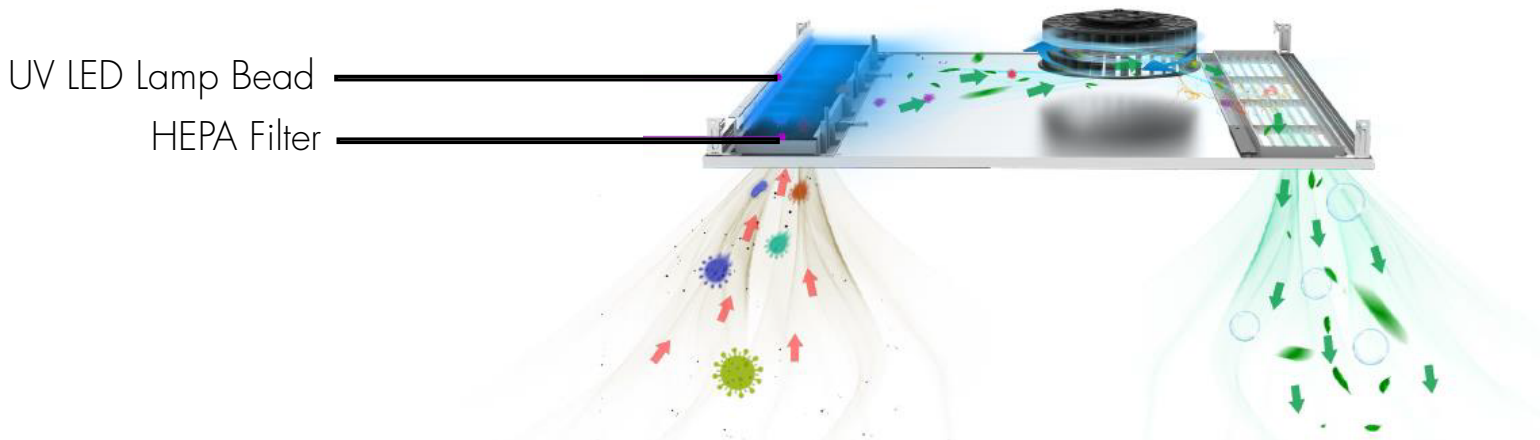
2. It is recommended to change the HEPA filter every 3000 hours OR when the HEPA filter indicator light turns on.



Parameters

Circulating Air Volume	92CFM~120CFM
Fan noise.....	30db-35db
UVC Wavelength	275nm

Filtration Diagram



Applications

TCP's LED PurEssentials Panel Luminaires are a modern alternative to traditional T5, T8 and T12 linear fluorescent troffers. The PurEssentials Panel combines a UV purification system that filters and purifies polluted air with our LED back-lit panel technology to deliver a comprehensive lighting solution to the modern workplace. Applications include offices, schools, retail locations, healthcare, hospitality, and other T-grid and commercial ceilings.

Construction

- Rectangular white frame
- Frosted white diffuser
- Grated inlet and outlet for air circulation
- Designed for T-Bar grid ceilings

Electrical

- UL/cUL damp location rated
- 0-10V dimming driver (standard)
- LED System rated for long 50,000 hour life
- UVC System rated for 20,000 hour life

Optics

- Back-lit technology provides even uniform lighting
- Frosted diffuser for reduced glare and aesthetic appeal
- Meets or exceeds the look and performance of edge-lit panels

Item Number	
Notes	Type



Listings

UL/cUL Listed

Warranty

Five year limited warranty against defects in manufacturing.

Catalog Ordering Matrix

Example: PURFP2UZDA1CCT

FAMILY	SIZE	VOLTAGE	DIMMING	WATTAGE ^{1,2}	COLOR TEMPERATURE
PURFP = Purifying Flat Panel	2 = 2' x 2'	U = 120V-277V	ZD = 0-10V Dimming	A1 = 60W/4200 Lumens	CCT = 3500K/4100K/5000K

¹ Approximate lumen output. Actual performance may vary based on CCT, options selected and end user application.

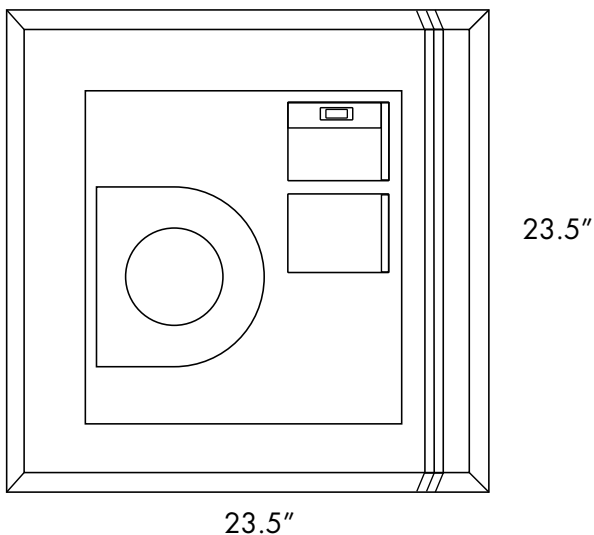
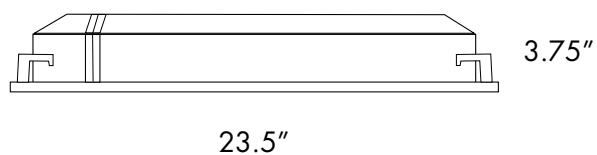
² Actual wattage may differ by +/- 10%.

Accessories:

Item Number	Description
PURFPHEPA	HEPA FILTER REPLACEMENT
PURFPUVCLAMP	UVC LAMP REPLACEMENT

For the most up-to-date specs and warranty information, please visit www.tcpi.com

Dimensions



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Listings

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Catalog Ordering Matrix

Example: PURFP4UZDA2CCT

FAMILY	SIZE	VOLTAGE	DIMMING	WATTAGE ^{1,2}	COLOR TEMPERATURE
PURFP = Purifying Flat Panel	4 = 2' x 4'	U = 120V-277V	ZD = 0-10V Dimming	A2 = 70W/5100 Lumens	CCT = 3500K/4100K/5000K

¹ Approximate lumen output. Actual performance may vary based on CCT, options selected and end user application.

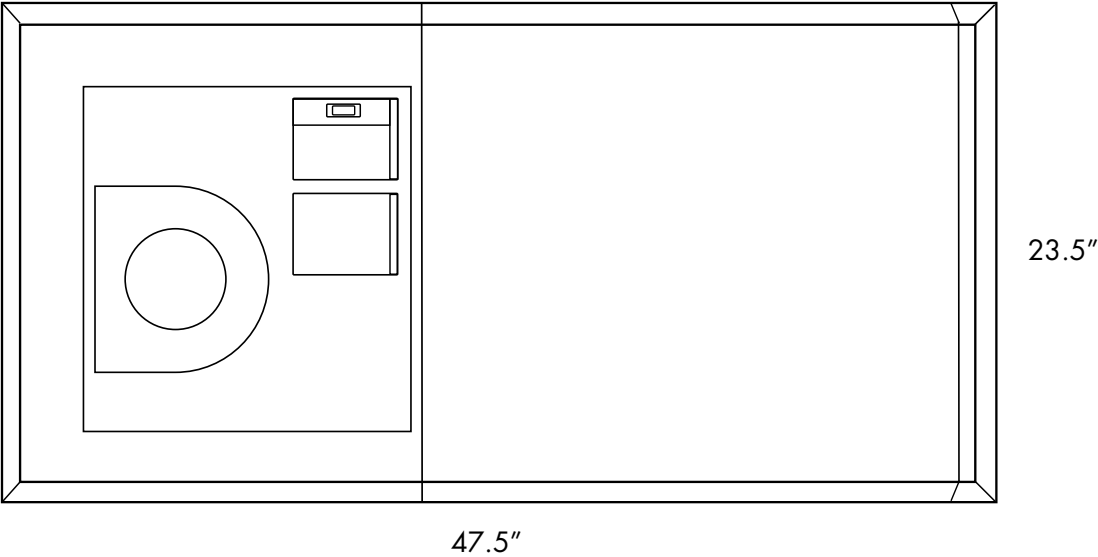
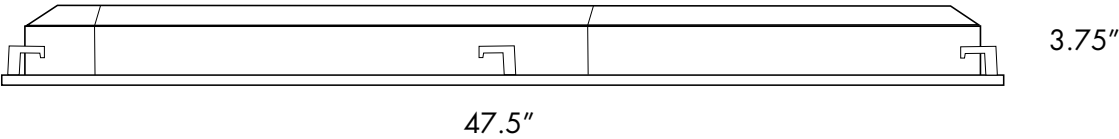
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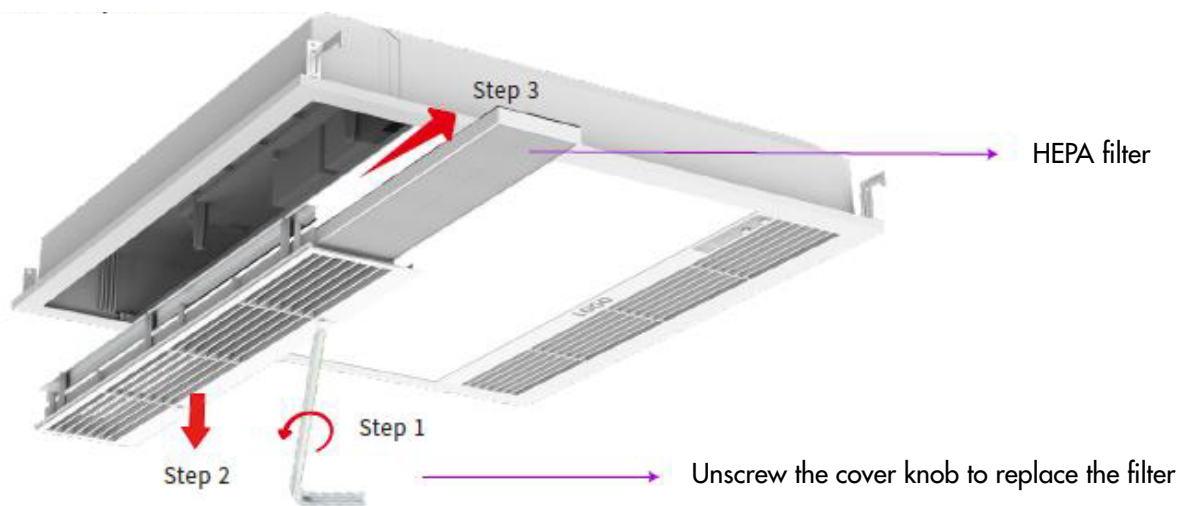
For the most up-to-date specs and warranty information, please visit www.tcp.com

Dimensions



HEPA Filter Change Diagram

The HEPA filter can isolate the dust inhaled by the fan and ensure the cleanliness of the machine. The grille component can be opened with a tool to replace the filter.



NOTE: It is recommended to replace the HEPA filter after 3,000 hours of use.

DISCLAIMER:

1. The ultraviolet rays of this product cannot be used for lighting purposes and in applications or activities which may cause and or lead to death, personal or animals' injury and/or damage to the environment.
2. UVC luminaires systems must only be sold, installed and replaced by professionals.
3. When using this UVC product for indoor purification, please close the doors and windows, keep the room clean and dry, and reduce dust and moisture.
4. We do not promise or warrant that the use of the PurEssentials products will protect any user from or prevent infection and/or contamination with any viruses, bacteria, protozoa, fungi, illness or disease.
5. There is a high efficiency UVC generating device inside. Do not disassemble unless you are a certified professional electrician, as it may cause injury when ultraviolet rays are directly exposed to eyes or skin. Maintenance personnel need to wear professional UV protection goggles and skin protection before repair.
6. The UVC Products are not intended for and must not be used for medical purposes.
7. In addition to and without limitation of any exclusions or limitations of liability of us as set forth in any agreement for the sale, distribution or otherwise making available of the UVC lamp/fixture/devices, we shall have no responsibility or liability whatsoever for any claim or damage that may arise from or relate to any use of the UV-C lamp/fixture/devices outside of their intended use or contrary to their installation and operation instructions, each as described in this document, the user manuals and/or the mounting instructions.
8. Unit should not be dismantled except by a qualified professional.

For the most up-to-date specs and warranty information, please visit www.tcpi.com

TECHNOLOGY CAST IN A BEAUTIFUL LIGHT

For over 20 years, TCP has been designing, developing and delivering energy-efficient lighting into the market. Thanks to our cutting-edge technology and manufacturing expertise, we have shipped billions of high quality lighting products. With TCP, you can count on a lighting product that is designed to meet the needs of the market - that transforms your surroundings and envelopes you in warmth - lighting that generates beauty with every flip of the switch.

Sales:

Date:

Model:

Project:

Rep:

Catalog Number:

Type:

Notes:



For more information on the quality and care TCP can deliver, call us at **800.324.1496** or visit tcpi.com

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