

Power Line Designer Kit

0.5-Watt LED Modules



OVPL5W3K

Contents:

- Five (5) PCBs 8" in length
- Populated with three (3) 0.5-Watt white LEDs
- Wire harness with connector
- Hand insertion tool



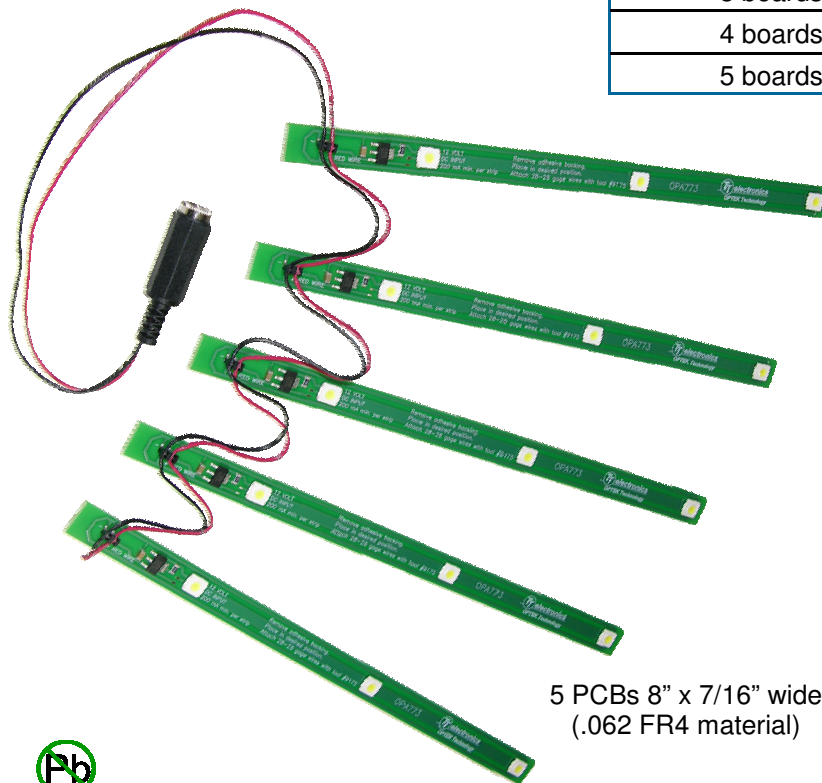
The self-contained **Power Line Designer Kit** is a flexible and scalable lighting solution using mid-power LEDs to supply high luminous flux without additional heatsinking requirements. The kit includes components and instructions to allow a designer to configure LED placement as needed for uniform illumination in his application. With a 15-volt power supply, the Power Line Kit is a total lighting solution.

Applications

- Architectural accent lighting
- Under-counter lighting
- Media illumination
- Lighting for large channel letters
- Backlighting for light boxes
- Point-of-sale displays

PCB with 3LEDs Optek Part No. OPA773	Viewing Angle	Typical CCT	Typical Luminous Flux (lm) @ 15V*
1 board	120°	White 5750K	50
2 boards			100
3 boards			150
4 boards			200
5 boards			250

*125mA per board stabilized



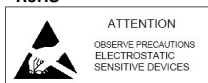
5 PCBs 8" x 7/16" wide
(.062 FR4 material)



9" by 1"Ø tube

4' Wire harness
with connector

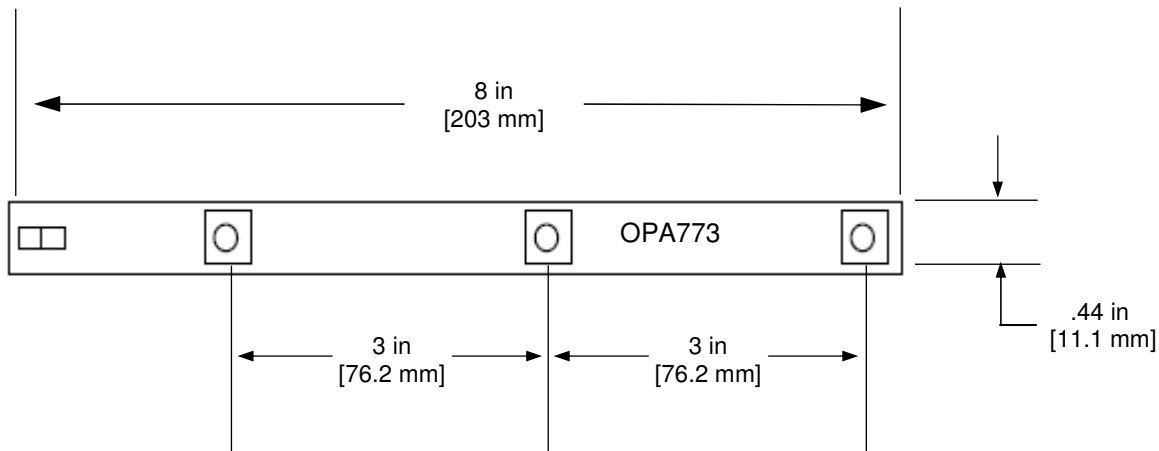
Hand Insertion Tool
(AVX #9175)



**DO NOT LOOK DIRECTLY
AT LED WITH UNSHIELDED
EYES OR DAMAGE TO
RETINA MAY OCCUR.**

OPTEK reserves the right to make changes at any time in order to improve design and to supply the best product possible.

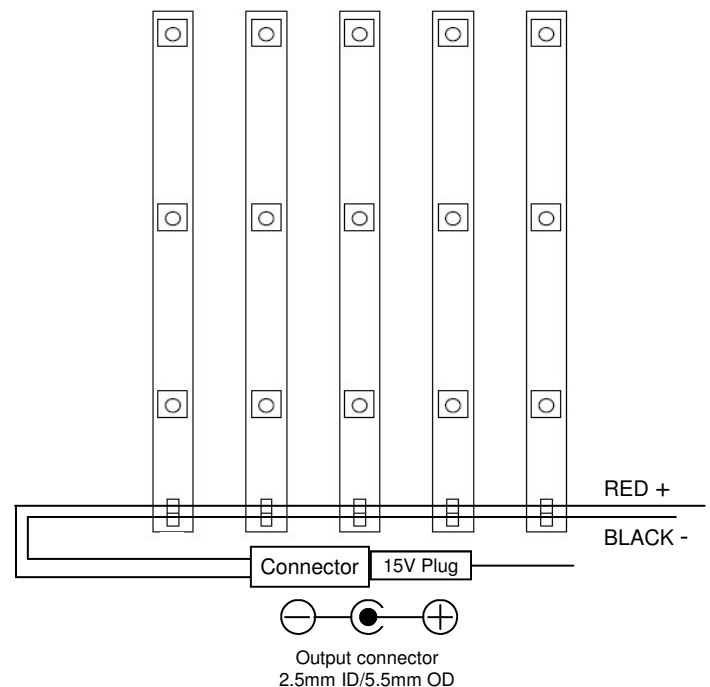
Package Dimensions



Individual board assembly available (Optek Part No. OPA773 Series)

Instructions

1. Determine position of boards
2. Peel tape backing from boards
3. Apply boards to backplane
4. Route wire harness to each board and use tool to hand insert red and black wires on each board. Start with loose end and work toward connector.
5. Plug connector into 15V supply (1.0A minimum)
6. Place graphics over backplane about 2" from LED assembly.



Notes:

- All electrical and optical characteristics of the LEDs remain the same as specified in Optek Datasheet OVS5WBCR4.
- Maximum storage and operating temperature $-40^{\circ} \sim +100^{\circ}\text{C}$
- ESD threshold (HBM) 2000V

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