

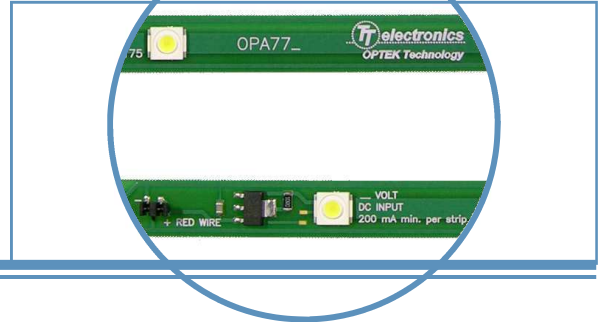
# OPA773

## VLED Power Line Strip



### OPA773

- 3, 0.5 watt LEDs per strip
- Mono-color per strip (Daylight White)
- Component beam angle 120°
- RoHS Compliant



The OPA773 is designed for areas where light output and reliability are essential. The light beam angle of 120° is ideal for illuminating small and medium size areas while requiring minimal space. The devices are mounted on an FR-4 PC Board for ease of use with an easy to use IDC connector interface.

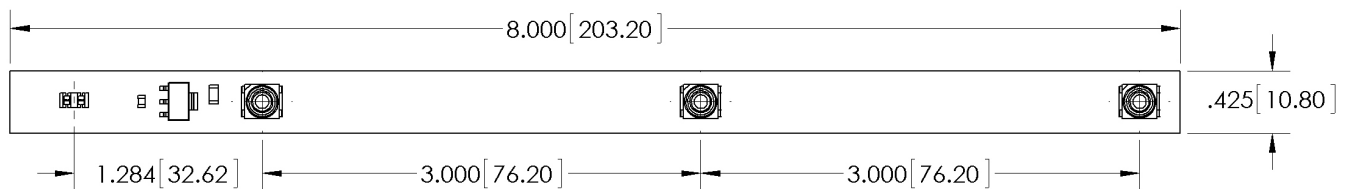
For custom colors and design, contact your OPTEK representative.

### Applications

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

### Optical and Electrical Characteristics - Daylight White ( $I_F = 125 \text{ mA}$ , $T_A = 25^\circ \text{ C}$ )

Typical Forward Voltage (V)	Typical Luminous Flux (lm)	Beam Angle	Color	Typical CCT	Connector	Insertion Tool	Wire Size Min/Max
14 to 16	63	120°	Daylight White	5,750K	IDC (AVX #00 9175 002 001 006)	AVX #9175 series	26 AWG or 28 AWG

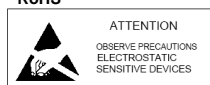


#### NOTES:

1. All electrical and optical characteristics of the LEDs remain the same as specified in Optek Datasheet OVS5WBCR4.
2. Maximum storage and operating temperature  $-40^\circ \sim +100^\circ \text{ C}$ .
3. ESD threshold (HBM) 2000V
4. 14-16 VDC power supply not included. 0.2A minimum rating required.



RoHS



**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.

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## VLED Power Line Strip

### Suggested Design Options:

Optek Part Number	Number of LEDs per Strip	Number of Strips per Buss	LED Drive Current per Strip	AWG	Supply Voltage
OPA773	3	1 to 5	125mA	26-28	14-16V
OVPL5W3K***	3	5 Included	125mA	26-28	14-16V
Optek Custom Assembly**	Other	Other	Other	Other	Other

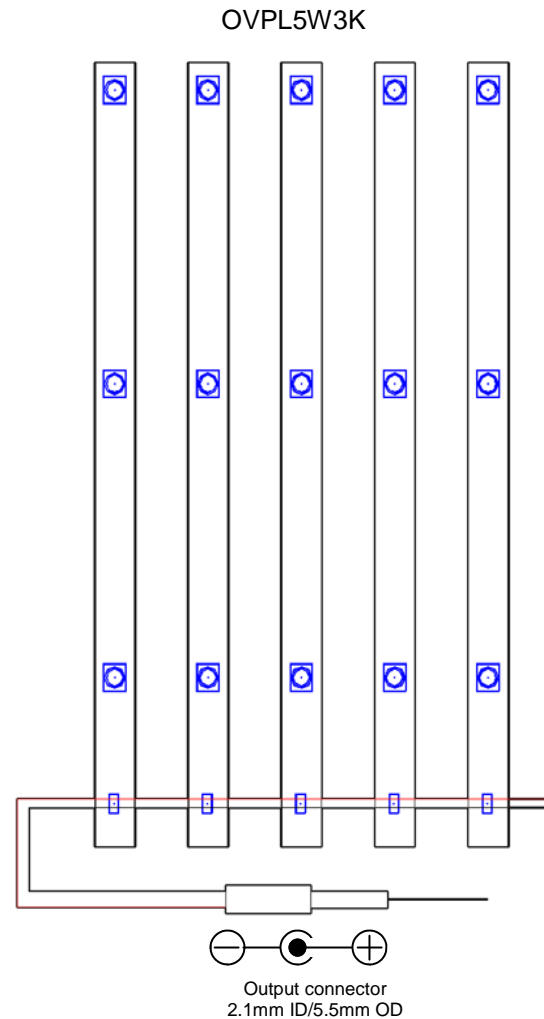
#### NOTES

- \*\* Contact Optek or an authorized distributor to discuss your application
- \*\*\* Design kit includes 5 / OPA773 power line strips, wire harnesses and insertion tool.

#### Mounting Instructions:

1. Install backplane (not included) behind panel to be illuminated.
2. Use masking tape (not included) to temporarily position the boards on backplane.
3. Route wire harness to each strip:
  - Start with loose end and work toward 2.1mm jack.
  - Use insertion tool to insert red and black wires on each board.
  - Leave several inches of slack between each strip.
4. Connect the 2.1mm jack to 14-16V power supply (not included, must be rated at 1.0A minimum).
5. Reposition all boards until optimal illumination is achieved.
6. Peel tape backing from boards.
7. Permanently apply boards to backplane.

**Note:** Steps 6 and 7 are optional—do not peel off backing if the kit will be reused.



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