



Full Color (RGB) Surface Mount

Table with columns: Fig., Lens Color, IV (mcd) [Red, Green, Blue], Viewing Angle, Digi-Key Part No., Cut Tape Price Each (1, 100, 250), Digi-Key Part No., Tape and Reel (Qty., Pricing), TT/OPTeK Technology Part No. Rows include PLCC4, PLCC6, and 1204 series.

White Surface Mount

Table with columns: Fig., Package, Material, Chip Emitted Color, Lens Color, Luminous Intensity (Typical) [mcd, @IF(mA)], Viewing Angle, Digi-Key Part No., Cut Tape Price Each (1, 100, 250), Digi-Key Part No., Tape and Reel (Qty., Pricing), TT/OPTeK Technology Part No. Rows include RA and PLCC4 packages.

1 Watt Cup Series

OPTEK Lednium Solid State Lighting products package the highest quality LED chips. Typically, the lumen output of these can be as high as 70% after 50,000 hours of operation. That is, the percentage of the initial light output still being emitted after a specified operating time. This prediction is based on specific test results and tests on similar materials, and relies on strict observation of the design limits and ratings. Specifications: • Input Current: 1.0A • Junction Temperature: Tj = 130°C • Viewing Angle at half maximum intensity: 135°

Table with columns: Fig., Mounting Type, λD (nm) Typical, Emitted Color, Typical Iv/flux (lm), Forward Voltage (V) [Minimum, Typical, Maximum], Digi-Key Part No., Cut Tape Price Each (1, 100, 250), TT/OPTeK Technology Part No. Rows include various mounting types and colors, with a 'NEW! Optimal IV NEW!' section.

† Tube

NEW! Ultraviolet Metal Can LED

Table with columns: Fig., Emission Angle, Typical Forward Voltage (V), Continuous Forward Current (mA), Peak Wavelength (nm), Minimum Optical Power Output (mW), Digi-Key Part No., Price Each (1, 100, 250), TT/OPTeK Technology Part No. Row 22 includes various UV LED specifications.

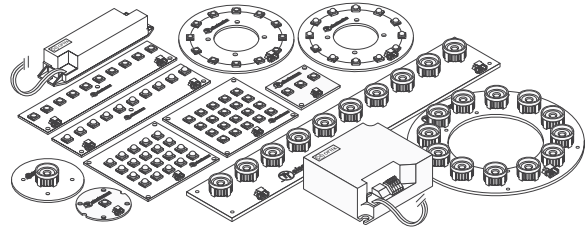
LED Design Kit

Each kit contains three LED drivers to power the VLED assemblies. The assemblies in the LED design kit feature OPTEK's OVSPx8CR4 Series 1-Watt LEDs. The energy efficient packaged LEDs offer high luminance and a long operating lifespan. Available with yellow, blue, green, red and white LEDs. The 1-Watt LEDs offer a full 120° viewing angle and an ultra-low board-mounted profile.

Kit includes (1 each):

- LD350: Power cube 350mA with 110 VAC power cord
• LD700: Power cube 700mA with 110 VAC power cord
• LD1400: Power cube 1400mA with 110 VAC power cord
• OPA729: Linear 10/1W LED (Power with LD700)
• OPA730: Round Flood 12/1W LED (Power with LD700)
• OPA731: Square Flood 20/1W LED (Power with LD1400)
• OPA733R: Round Spot 1W Red LED (Power with LD350)
• OPA733Y: Round Spot 1W Yellow LED (Power with LD350)
• OPA733G: Round Spot 1W Green LED (Power with LD350)
• OPA733B: Round Spot 1W Blue LED (Power with LD350)
• OPA733W: Round Spot 1W White LED (Power with LD350)
• OPA739: Square 3/1W LED (Power with LD350)
• OPA740: Linear with Lens 10/1W LED (Power with LD700)
• OPA741: Ring with Lens 12/1W LED (Power with LD700)
• OPA742: Round Spot with Lens 1W LED (Power with LD350)

365-1362-ND (OPAKIT-100) \$715.00



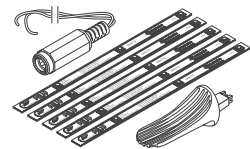
Power Line Designer Kit

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 an 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

Kit includes:

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

365-1483-ND (OVPL5W3K) \$35.10

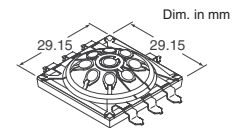


10 Watt LED Array

OPTEK Lednium Solid State Lighting products package the highest quality LED chips. Typically the lumen output of these can be as high as 70% after 50,000 hours of operation. That is, the percentage of the initial light output still being emitted after a specified operating time. This prediction is based

on specific test results and on tests on similar materials, and relies on strict observation of the design limits and ratings. Specifications: • Input Current: 1.05A • Junction Temperature: Tj = 25°C • Viewing Angle at half maximum intensity: 120°

Table with columns: λD (nm) Typical, Emitted Color, Typical Iv/flux (lm), Forward Voltage (V) [Minimum, Typical, Maximum], Digi-Key Part No., Price Each (1, 100, 250), TT/OPTeK Technology Part No. Rows include various LED array specifications.



(Continued)

Digi-Reel® Most SMT cutdown parts are available on a Digi-Reel®. For Digi-Reel part number, change 1-ND to 6-ND or CT-ND to DKR-ND. See Digi-Key® Services on page 2 for additional information.

More Product Available Online: www.digikey.com

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