



**NEW!
FEATURE**

- >10,000 HOUR LIFETIME
- <25µsecs ON-OFF TIME
- TTL CONTROL (WITH POLARITY SWITCH)
- VERY STABLE OUTPUT
- COMPACT STAND-ALONE DESIGN
- EASY INSTALLATION



LAMBDA TLED™ LED TRANSMITTED LIGHT SOURCE

The **Lambda TLED** is a stand-alone LED light source that can be used with the transmitted light path of a microscope or in other applications with similar requirements.

This basic system consists of an LED mounted on a special black-anodized aluminum heat sink and a controller. The **Lambda TLED** controller has intensity control and on-off control via a switch or TTL logic. The on-off time of the **Lambda TLED** is <25µsecs when using TTL control. The TLED is expected to have stable output that will last in excess of 10,000 hours.

The **Lambda TLED** can be ordered with a high-output white light LED, making it a suitable light source for contrast methods, including Phase, and Differential Interference Contrast (DIC).

As an alternative to the standard white-light LED, we have several options available including an IR-LED which is suitable for experiments requiring IR-DIC. Please contact Sutter for details.

The controller runs off a rugged modular universal power supply similar to those used for laptop computers.

For 2014 we have a dual-channel TLED option that combines two high power LED's into a single light path. The TLED-DC includes a 470nm LED for stimulation, while the second channel passes the phosphor emission from a white light LED. The white light channel can be used to access spectra between 510nm to 630nm and is suitable for a variety of applications. Both channels are driven by individual TLED controllers and can be triggered, also individually, by a TTL signal. Alternate wavelength configurations are available.

Each **Lambda TLED** system includes an optical mounting adapter for the microscope and detailed installation instructions. Mounting adapters are designed to fit most models of Nikon, Olympus, Zeiss and Leica microscopes. Custom adapters for the **Lambda TLED** are available at an additional cost.

Single Channel Lambda TLED and Controller

- TLED-N** Single Channel LED for Nikon
- TLED-N40** Single Channel LED for Nikon E400/E600
- TLED-N65** Single Channel LED for Nikon FN1
- TLED-Y** Single Channel LED for Olympus
- TLED-Z** Single Channel LED for Zeiss
- TLED-L** Single Channel LED for Leica

Dual Channel Lambda TLED-DC with 2 Controllers

- TLED-DC-N** Dual Channel LED for Nikon
- TLED-DC-Y** Dual Channel LED for Olympus
- TLED-DC-Z** Dual Channel LED for Zeiss
- TLED-DC-L** Dual Channel LED for Leica



RoHS Compliant

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