

# Prizmatix

## Silver-LED

### Fiber Coupled UV, Violet, Blue, Green and Red LED Light Sources

#### Introduction

The new fiber-coupled high power UV, Violet, Blue, Green and Red LED light source modules are effective replacements of lasers and lamps in many applications, such as spectroscopy, illumination and curing.

These compact modules provide high power CW or pulsed power at fiber output. The LED current controller supports CW operation mode. The external TTL input enables external triggering. Silver-LED is ideal for use with various fiber optic spectrometers in continuous, strobe or external triggering measurement mode.

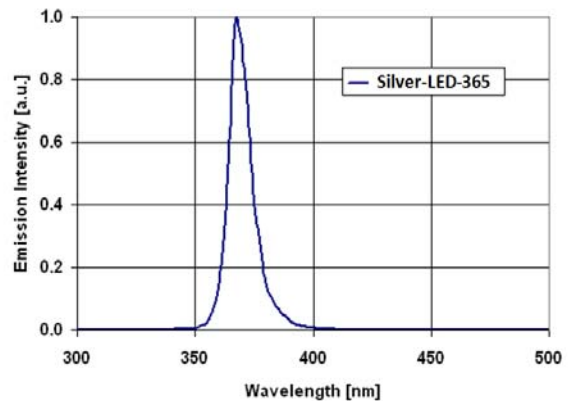


Currently the Silver-LEDs are available at following wavelengths:

365nm, 385nm, 390nm, 395nm, 400nm, 405nm, 410nm, 415nm, 420nm, 425nm, 430nm, 435nm, 440nm, 445nm, 455nm, 460nm, 470nm, 480nm, 500nm, 515nm, 535nm, 540nm, 595nm and 630nm

#### Features

- High Power (>20mW at most wavelengths with 1500micron core POF fibers)
- Reciprocal SMA fiber connection
- Precisely adjustable power
- TTL external modulation input
- Long life (no lamp replacement required)
- Rapid warm up time



#### Power output:

Silver-LED power output is limited by the reciprocal fiber characteristics. Larger core and higher NA will increase maximum power output, and vice versa. The output power is about 60% of the power available at our Black-LED models depending on the specific fiber used. Please contact us for power data for specific wavelength and fiber.

#### Dimensions:

**Silver-LED:** 105mm x 55mm x 165mm (W x H x L) without key switch and other extrusions

**Power adaptor:** 60mm x 35mm x 100mm (W x H x L)



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