

Prizmatix

Microscope-LED-365 High Power LED Light Source for Olympus BX, IX and SZX microscopes

Introduction

The new compact **Microscope-LED-365** is a High Power LED light source for Olympus microscope BX, IX and SZX series. The High Power LED light source module at **365 nm** is an effective replacement of Hg lamps in many applications, such as fluorescence microscopy and uncaging. This new member of the modular OptiBlocks family provides **>50mW** of collimated LED power on its output. The LED driver supports CW or external TTL modulation with user controllable frequency and duty cycle.



Features

- Long life (no lamp replacement required)
- Stable precisely adjustable power
- Fast switching (TTL external input)
- Narrow UV spectrum emission FWHM~10 nm
- No Speckle
- Lightweight, compact and robust head: 50mm x 50mm x 40mm

Applications

- Fluorescence microscopy and Imaging
- Photolysis of caged compounds
- FRET
- FRAP (fluorescence recovery after photobleaching)
- NADH, Quantum Dots, BFP, DAPI, Fura, Hoechst, excitation

Prizmatix Ltd

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Specifications

Peak wavelength:

365 nm \pm 5 nm

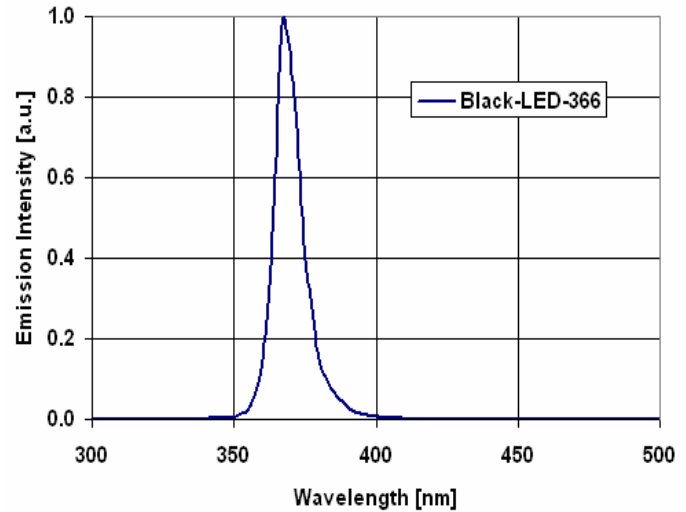
Spectrum half width: 10 nm

Power output: >50mW

Dimensions:

LED head:

50mm x 50mm x 40mm without the microscope adaptor



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Benchtop LED Current Controller

Introduction

The Benchtop LED current controller has been designed to provide precisely controllable, low noise current for driving a variety of LEDs. The current controller can be configured to drive virtually any currently available LED including the high power LEDs, in constant current (CW) or chopping mode defined by external TTL input.



Features

- Constant current or chopping modes
- Precise LED current setting
- Safety features for UV LEDs
- TTL external modulation
- Compact and robust enclosure

Specifications

Output current control range: 0-1000 mA

Output voltage: 1-15 V

Chopping frequency: DC – 10 KHz

Connector for LED: 9-pin D-type

Connector for TTL input: BNC

Input power supply: 24 VDC, 1 A

Power adaptor input: 100-240 VAC, 1 A, 47-63 Hz

Dimensions:

Controller: 75mm x 40mm x 120mm (W x H x L) without key switch and other extrusions

Power adaptor: 60mm x 35mm x 10mm (W x H x L)

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