

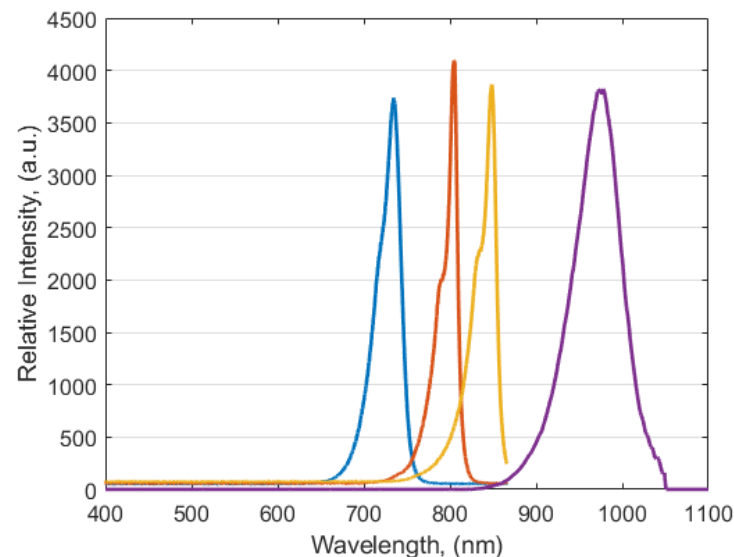


The MSLED-BIO-2-4 consists of two LED modules each equipped with four independent LED channels specific to applications requiring analysis of oxygen saturation and total hemoglobin content. The dual LED illuminator creates a uniform diffuse lighting for multispectral biomedical imaging applications.

## FEATURES

- Uniform diffuse lighting
- Programmable
- Manual or remote (through the RS232) management of LED brightness on each of the 4 available channels
- External trigger connector
- 256 levels of brightness adjustment
- Features a digital display.
- 4 bands – 735, 800, 865, 940 nm
- Compact design (Controller: 100 x 100 x 41 mm, LED module: R44 mm, depth 24 mm)
- ¼-20” mounting holes for LED modules
- High stability, reliability and environmental adaptability

## SPECTRAL RESPONSE



# TECHNICAL SPECIFICATIONS

Feature	Description
# of bands	4
Band Locations	735, 800, 865, 940 nm
Input	100 – 240 V AC, 50/60 Hz, 1.4 A (AC/DC power adaptor included in the package)
Output Adjustment Method	Pulse Wave Modulation (PWM)
Trigger Mode	Positive/Negative
Trigger Input Voltage	5 – 24 V
Connector	LED output (x2), RS232, External Trigger (4 independent channels), Barrel connector for DC power
Construction	Aluminum with anodized black finish, acrylic window
Operating Temperature	0 – 40 °C
Storage Temperature	10 – 50 °C
Total Output Power	< 40W

# DIMENSIONS

