

Continuously adjustable LED Light Source YLS-8303-02

Introduction

YLS-8303-02 series continuously adjustable LED light sources are suitable for research and industrial integration. Internal and external modes can adapt to different needs. In the internal mode, you can continuously adjust the light intensity using the knob on the panel; in the external mode, you can charge and control the light through a DB9.

Features

- Built-in power supply
- High-quality LED chip with a heat dissipation module
- > 2000 hours (typical) lamp life
- Compact size and easy integration
- SMA905 fiber connector

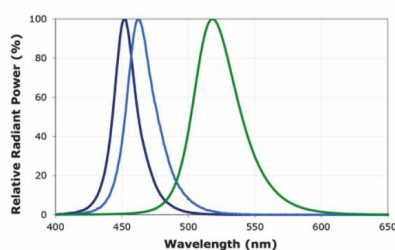
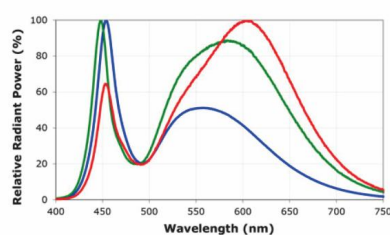
Applications

- Fluorescence detection, high-resolution optics, medicine, photolytic reaction, UV curing, and special lighting.

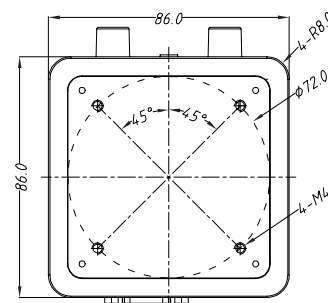
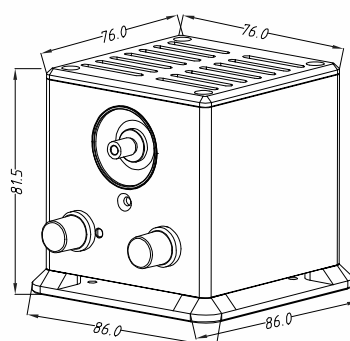


Model	Wavelength	FWHM	Max Current (mA)	Power (W)	Flux (lm)	Dimension (mm)
YLS-8303-02-455	455nm	20nm	1000	3	30	86 x 86 x 81.5
YLS-8303-02-525	525nm	40nm	700	3	60	
YLS-8303-02-620	620nm	15nm	700	3	30	
YLS-8303-02-Orange Yellow	590nm	15nm	700	3	65	
YLS-8303-02-Warm Yellow	3000K CCT	N/A	1000	3	70	
YLS-8303-02-Cool White	6500K CCT	N/A	1000	3	80	

Performance



Dimension



LED Module YLS-8303-01

Introduction

YLS-8303-01 series LED modules accept adjustable constant-source power supply, ensuring a stable and adjustable output. YIXIST offers 255/275/310/365/380/400/415/430 nm options and also accepts wavelength customization. Besides, We offer multiple accessories, such as adjustable constant - source, four-channel cuvette holder, and diffuse reflection probe.

Features

- Stable high-quality LED chip
- > 100000 hours (typical) usage life
- Compact size and easy integration
- Low heat production

Applications

- Reference light source for transmissivity, reflectivity, and absorbance measurement.

Options

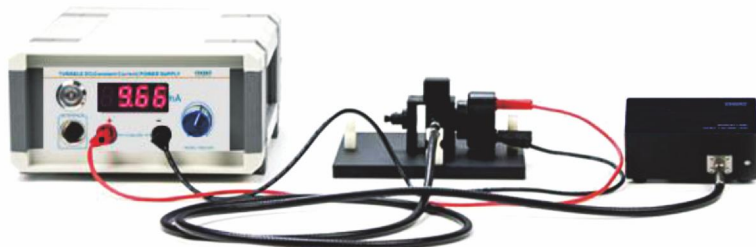
- Adjustable Constant Current Source, 0-10mA [YEL-3026]
- Four-channel Cuvette Holder [YME-2064-03]
- Miniature Diffuse Reflection Probe [XME-2303]

Specifications

Model	Wavelength (nm)	Max Current (mA)	Lamp Power (W)	Optical Power (mW)	Dimension (mm)
YLS-8303-01-255	255	100	0.6	10-15	Φ43×46
YLS-8303-01-275	275	30	0.2	3-4	
YLS-8303-01-310	310	40	0.3	3-4	
YLS-8303-01-365	365	700	3	200-600	
YLS-8303-01-380	380	700	3	200-600	
YLS-8303-01-400	400	700	3	200-600	
YLS-8303-01-415	415	700	3	200-600	
YLS-8303-01-430	430	700	3	200-600	

Note: other wavelengths can be customized

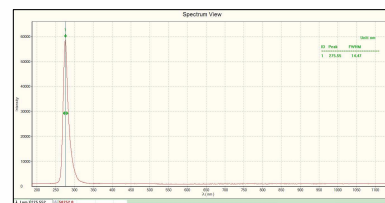
[Typical Application: Fluorescence]



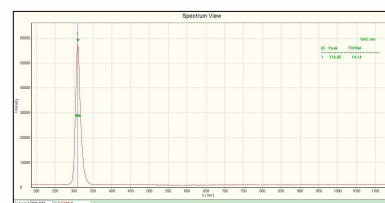
Power Supply + YLS-8303-01 + Cuvette Holder + Cuvette + Spectrometer



Typical Spectrum



275nm LED



310nm LED

Dimension

