

MM fiber output broad band LED source : FOLS-05



FOLS-05 is a LED light source with MM output fiber, 3-LED chips, driving circuit and power supply.

UV ~ IR broad spectrum emission can be generated by selecting 3 wavelength LEDs.

Fringe-free and speckle-free emission is generated.

Output power is ~ 1mW CW each wavelength.

FEATURE

- Easy handling with fiber output
- Broad spectrum 365nm~940nm
- 3 LEDs are selectable
- Fringe-free and speckle-free emission
- Excellent power stability

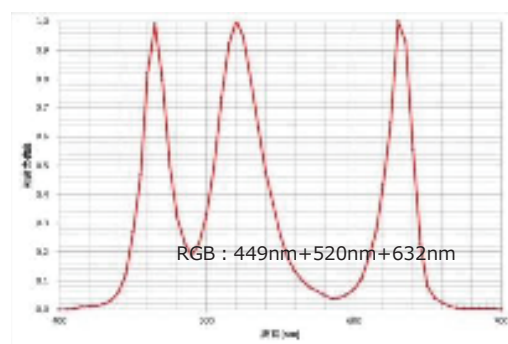
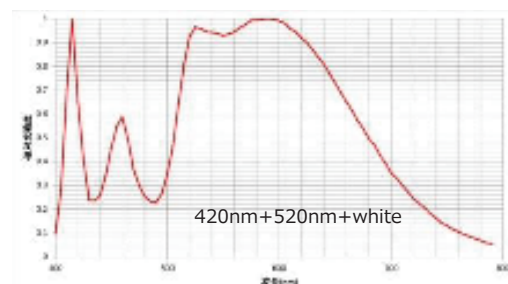
APPLICATIONS

- Evaluation of optical components and detector
- Reflectance and transmittance measurement
- Fringe-free and speckle-free optical measurement
- Microscope illumination
- Spectral analysis

SPECIFICATIONS

wavelength(nm)	white,365,385,405,420,449,465,520,597,624,640,660,720,760,780,810,830,860,870,950
spectral width(nm)	10-30(depending each LED)
No. of LED	3pcs (any LED is available in wavelength line up)
output fiber	SI600μmMM fiber、NA0.5、length~1m, FC connector output
operation control	ACC
Max output power	~1mW each (depending on LED)
power stability	~±1%
power supply / dimension	AC100-240V 50/60Hz 0.3A 60(W)x50(H)x120(D)mm /300g

SPECTRUM EXAMPLE



MM fiber output LED function generator FOLS-06

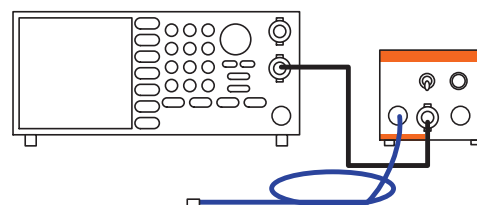


FOLS-06 is a MM fiber output LED source with operated external function generator.

Color of white, UV, RGB and IR can be selected for each application.

DC, square, triangle, sine, and digital pattern optical output is generated.

SYSTEM CONFIGURATION



FEATURE

- Easy handling with fiber output
- DC, square, triangle, sine, digital pattern emission
- max repetition rate 1MHz
- External function generator operation
- Color: White, UV, RGB, IR
- Fringe-free and speckle-free

APPLICATIONS

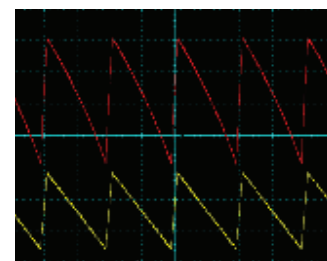
- Exciting source for fluorescence experiment
- Lock-in measurement
- Synchronized pulse illumination
- Microscope illumination
- Spectral analysis
- Fringe-free and speckle-free optical measurement

SPECIFICATIONS

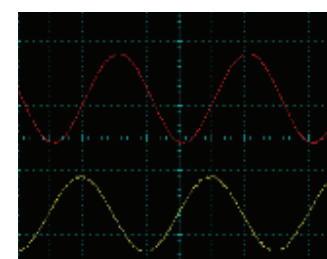
color	white	UV	blue	green	yellowe	red	deep red	IR
peak wavelength(nm)	---	365, 385	405,449, 465,503	520	597	624,640, 660	760,780	810,830, 860,950
spectral torelance(nm)	---	±20						
spectral width(nm)	---	9	25	33	25	18	25	30
max output power(mW)(600μmcore)	20			5	10		5	10
max output power(mW)(200μmcore)	2			0.5	1		0.5	1
output optical waveform	square、triangle、sine、pulse pattern, DC							
repetiition	0.1Hz~1MHz							
rise time	~500ns							
fiber	600μm core or 200μm core NA0.48, length~1m, FC connector output							
power suppply / dimension	optical unit : AC100-240V 50/60Hz 0.3A 60(W)x50(H)x120(D) mm/300g							

OUTPUT WAVEFORM

red : optical waveform
yellow : driving waveform)



triangle (rep rate 10kHz)



sine (rep rate 1MHz)