

We can supply translation stages, rotation stages, vertical stages, goniometers, lab jacks, optical tables and breadboards as manufacturer of components. Please contact us freely if you have any requirement



Tunable Light Source

The Tunable Light Source (TLS) are pre-aligned, pre-assembled illumination systems capable of outputting monochromatic light from 200-2500 nm. This is a complete plug and play system and includes TLS-C1 software.

TLS is composed of Zolix light source and spectrometer. It is very convenient for the users who want the flexibility of a modular design and the simplicity of an integrated system.

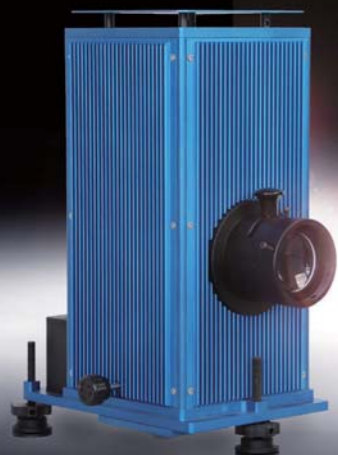


Specification

Model	Light source	Unstability	Spectral range	Resolution	Bandwidth	Wavelength accuracy	Wavelength repeatability
TLS15-X150A	150W Xenon Light Source	<0.5%	250-2200nm	0.4nm@250~600nm 0.8nm@600~2200nm	Manual 0.4~16nm@250~600nm 0.8~32nm@600~2200nm	± 0.25nm	± 0.1nm
TLS15-T150A	150W Tungsten-halogen Light Source	<0.5%	350-2200nm	0.4nm@350~600nm 0.8nm@600~2200nm	Manual 0.4~16nm@350~600nm 0.8~32nm@600~2200nm	± 0.25nm	± 0.1nm
TLS3-X150A	150W Xenon Light Source	<0.5%	250-2200nm	0.08nm@250~1100nm 0.2nm@1100~2200nm	Manual 0.08~7nm@250~1100nm 0.2~14nm@1100~2200nm	± 0.2nm	± 0.1nm
TLS3-X300P	300W Xenon Light Source	<1%	300-2200nm	0.08nm@300~1100nm 0.2nm@1100~2200nm	Manual 0.08~7nm@300~1100nm 0.2~14nm@1100~2200nm	± 0.2nm	± 0.1nm
TLS3-X300PU	300W UV-Xenon Light Source	<1%	200-2200nm	0.08nm@200~1100nm 0.2nm@1100~2200nm	Manual 0.08~7nm@200~1100nm 0.2~14nm@1100~2200nm	± 0.2nm	± 0.1nm
TLS3-X500A	500W Xenon Light Source	<1%	250-2200nm	0.08nm@250~1100nm 0.2nm@1100~2200nm	Manual 0.08~7nm@250~1100nm 0.2~14nm@1100~2200nm	± 0.2nm	± 0.1nm
TLS3-T150A	150W Tungsten-halogen Light Source	<0.5%	350-2200nm	0.08nm@350~1100nm 0.2nm@1100~2200nm	Manual 0.08~7nm@350~1100nm 0.2~14nm@1100~2200nm	± 0.2nm	± 0.1nm
TLS3-T250A	250W Tungsten-halogen Light Source	<0.5%	350-2200nm	0.08nm@250~1100nm 0.2nm@1100~2200nm	Manual 0.08~7nm@250~1100nm 0.2~14nm@1100~2200nm	± 0.2nm	± 0.1nm

Application

- PEC Photochemistry Measurement System
- Transmission/Absorption /Reflection Measurement System
- Solar Cell Quantum Efficiency Measurement System
- The fluorescence Spectrum Measurement (as excitation light)
- Surface Photovoltage Test
- Detector Spectral Responsivity Measurement System
- Optical Lens Spectral Transmittance Measurement System
- Eye Protection Products Measurement System



Gloria Light Source

Gloria light source is designed for working with kinds of application and integrated with Zolix Omni-λ spectroscopy ,single point detectors; This integration offers spectroscopy solutions of Fluorescence, transmission / reflection, absorption spectrum and light source, emission spectroscopy system, etc. We offer light sources from UV to IR including 150W,250W,500W and all the necessary components and accessories to put them to work.



LED Light Source

Application :
Photocatalysis, ultraviolet analyzer biological genetic engineering, molecular genetics, medical and health, biological products, pharmaceutical research, health and epidemic prevention, dye chemical industry, petroleum chemical industry, textile industry, etc.

- Feature:**
- Efficient electro-optic conversion efficiency, energy conservation and environmental protection
 - Small volume, convenient to carry, convenient for system integration
 - Digital switch control, remote communication control, 1-100% light intensity adjustment
 - Set work plan for exposure time and light intensity

Model	GLORIA-X150A	GLORIA-X500A	GLORIA-T150A	GLORIA-T250A
Light source housing				
Spectral range	200-2500nm	250-2500nm	300-2500nm	300-2500nm
Power	150W	500W	150W	250W
Center Height	137-173mm	157-193mm	137-173mm	137-173mm
Color Temperature	6000K	6000K	>3000K	>3000K
Light Ripple	≤0.5%	≤1%	≤0.5%	≤0.5%
Power Supply				
Power	150W	500W	150W	360W
Iop	7-9A	21-30A	0-6.5A	0-10.8A
Current Ripple	≤0.05%/h(@8.5A)	≤0.1%/h(@26A)	≤0.05%/h(@6.25A)	≤0.05%/h(@10.5A)
Output Voltage	0-25V	10-30V	0-25V	0-25V
Input Voltage	AC110/220V ± 10%	AC220V ± 10%	AC110/220V ± 10%	AC110/220V ± 10%

Lamp Sheet

	Power (W)	Model	Type	Voltage (v)	Current (A)	Lifetime (h)	Approx. flux(lm)	Intensity (cd)	Approx.Luminance (cd/mm ²)	Luminous Area(mm)
Xe	150	LSB-X150AOF	Ozone-free	17.5	8.5	3000	2900	290	200	0.5 × 1.6
Xe	150	LSB-X150AUV	UV Enhanced	20	7.5	3000	3000	300	150	0.5 × 1.7
Xe	150	LSB-X150	Economical	18	8.5	1000	3200	320	—	0.8 × 2.0
Xe	500	LSB-GX500AOFR	Ozone-free	17	28	2000	14500	1450	400	0.9 × 2.5
Xe	500	LSB-GX500	Economical	20	25	1000	14200	1420	—	1 × 2.7
Hg(Xe)	500	LSB-GMX500	Economical	25	20	—	—	—	—	3
Halogen	150	LSB-T150	Economical	24	6.25	2000	3200	—	—	8 × 4
Halogen	250	LSB-T250	Economical	24	10.5	300	9000	—	—	8 × 4

Accessories



LED order information

Model	Wavelength	Output Power	Iop (mA)	Model	Wavelength	Output Power	Iop (mA)
M265L	265nm	50 μW	20	M620L	620nm	>240mW	700
M280L	280nm	50 μW	20	M635L	635nm	>320mW	700
M310L	310nm	50 μW	20	M660L	660nm	>280mW	350
M365L	365nm	>420mW	700	M690L	690nm	>240mW	350
M395L	395nm	>450mW	700	M710L	710nm	>200mW	350
M405L	405nm	>400 mW	700	M735L	735nm	>80mW	350
M425L	425nm	>280mW	700	M760L	760nm	>50mW	350
M450L	450nm	>320mW	700	M808L	808nm	>80mW	350
M470L	470nm	>240mW	700	M850L	850nm	>80mW	350
M515L	515nm	>180mW	700	M880L	880nm	>150mW	350
M525L	525nm	>180mW	700	M900L	900nm	>110mW	350
M550L	550nm	>200mW	700	M940L	940nm	>50mW	350
M560L	560nm	>150mW	700	M980L	980nm	>50mW	350
M590L	590nm	>80mW	700	M1020L	1020nm	>50mW	350

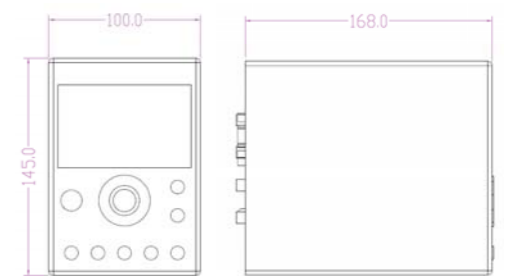
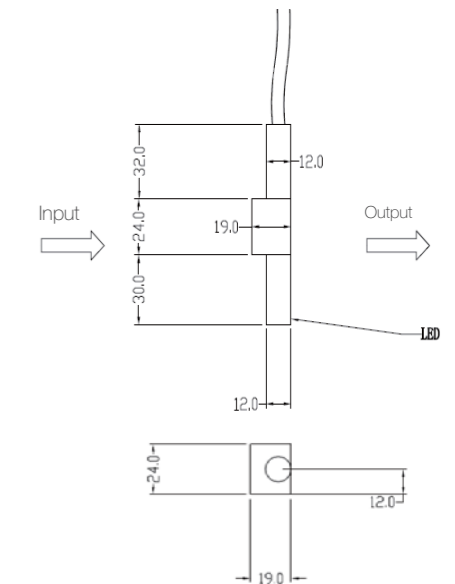
LED power supply order information

Model	MLED4-1	MLED4-2	MLED4-3	MLED4-4	MLED4-5
CH1(Iop mA)	700	20	20	20	20
CH2(Iop mA)	700	700	700	700	20
CH3(Iop mA)	700	700	700	350	350
CH4(Iop mA)	700	700	350	350	350
Radiation mode	Fixed irradiation: irradiation power (0-100%) adjusted (adjusting the duty ratio), modulation switch frequency 120 Hz, the irradiation time can be set maximum 9999.9 s, long time exposure can be realized by manual control.				
Control mode	Manual control, Digital signal control(turn on, turn off), RS232 control (turn on, turn off)				
Cooling	Fan				
Power supply	Input AC 110V~220V, output DC12~4A				
Environmental temperature	Working temperature: +5~+35℃, storage temperature: -10~+55℃				
Environmental humidity	Working/Storage: RH 20~80%				
Weight	1.5kg				

LED holder order information

Model	MLED-POST1	MLED-POST2	MLED-POST3	MLED-POST4
LED number	1	2	3	4

LED holder can fix the LED conveniently, and the height(up to 200 mm), direction are adjustable. The MLED-POST1、MLED-POST2、MLED-POST3、MLED-POST4, can fix one to four LED at the same time respectively.



LED power supply dimension (mm)



Zolix Instruments Co.,Ltd.

Address: LDUV 68B, No.16 Huanke Middle Rd, Tongzhou District, Beijing, 101102, China

Contact

Tel: +86 10 56370168 Fax: +86 10 56370118
Email : info@zolix.com.cn www.zolix.com.cn