

LSU/MLSP Series

LSU Series

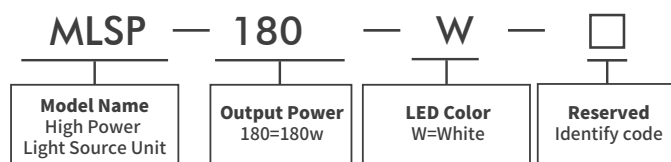
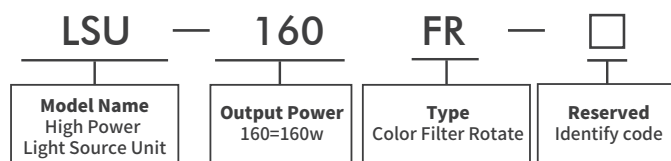
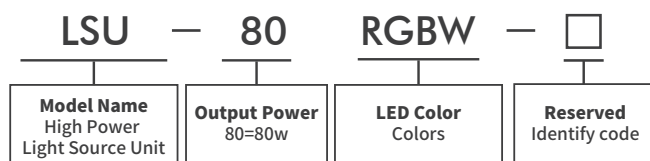
High Power Light Source Unit



◆ Product Features

- Digital knob to adjust output current with 7-segment display indicator; channels can be adjusted and stored individually
- USB interface for electrical isolation; ultra-high speed strobe optical receiver
- External input voltage : AC100V~240V (5A max)
- LED open-loop detection and short-circuit protection : automatically stop output current when no-load or short-circuit
- Alarm and protection : abnormal input power 、 system over-current 、 system overheats
- LED decay & abnormal alarm function
- LSU-160 external pulse switch control : provides external trigger switch signal to synchronize LED strobe; the minimum width of LED output reaches to 10us; the maximum frequency of strobe output reaches to 100kHz
- Precision current adjustment resolution : digital knob provides 256 adjusting current levels, USB interface provides 4096 adjusting current levels
- Each channel provides 256 sets of programmable and non-volatile LUT units to help users quickly correspond different currents and various brightness & characteristic of LED lights
- High power LED and highly efficiency optical structure to provide up to 2M Lux. in average (Ø10mm fiber measured at 50mm distance)
- The average lifetime of LED is above 30,000 hours, no replacement of emitting component consumables
- Collocates the color of filter according to customers' requirements (For LSU-160FR)
- High uniformity in each color LED to have better proformance in color mixing characteristics (For LSU-80 COLORS)

◆ Model Guide



• LSU-80 COLORS



• LSU-160FR

◆ Specification Table

Series	Model	Color	Input Voltage	Power (W)
LSU	LSU-80	Colors	AC100V ~240V	80
	LSU-160FR	Filter Rotate		160
MLSP	MLSP-160	White		160
	MLSP-180	R/G/B/W		180

※ Customized output voltage/current available
 ※ LSU-160FR-Customized color filter available



• MLSP-160/180

PSU-200

LSU2 Series

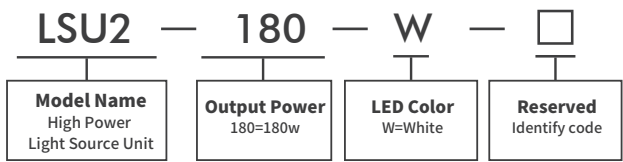
High Power Light Source Unit



◆ Product Features

- Digital knob to adjust output current with 7-segment display indicator; channels can be adjusted and stored individually
- USB interface for electrical isolation; ultra-high speed strobe optical receiver
- External input voltage : AC100V~240V (5A max)
- LED open-loop detection and short-circuit protection : automatically stop output current when no-load or short-circuit
- Alarm and protection : abnormal input power 、 system over-current 、 system overheats
- LED decay & abnormal alarm function
- LSU2-100/180 external pulse switch control : provides external trigger switch signal to synchronize LED strobe; the minimum width of LED output reaches to 30us; the maximum frequency of strobe output reaches to 33kHz (periodic)
- LSU2-200H/250H external pulse switch control : provides external trigger switch signal to synchronize LED strobe; the minimum width of LED output reaches to 10us; the maximum frequency of strobe output reaches to 100kHz
- Precision current adjustment resolution : digital knob provides 256 adjusting current levels, USB interface provides 4096 adjusting current levels
- Each channel provides 256 sets of programmable and non-volatile LUT units to help users quickly correspond different currents and various brightness & characteristic of LED lights
- The average lifetime of LED is above 30,000 hours, no replacement of emitting component consumables
- Collocates the color of filter according to customers' requirements (For LSU2-180FR)
- High power LED and highly efficiency optical structure to provide up to 6M Lux. in average (Ø10mm fiber measured at 50mm distance)

◆ Model Guide



• LSU2 Series

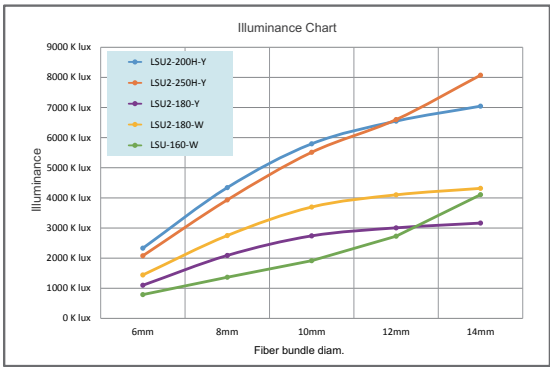
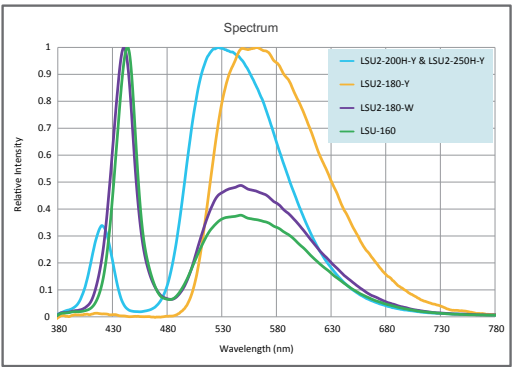
◆ Specification Table

Series	Model	Color	Input Voltage	Power (W)
LSU2	LSU2-100	IR 730/850/940 UV 365/385/405	AC100V ~240V	100
	LSU2-180	R/G/B/W/Y		180
	LSU2-160H	White		160
	LSU2-200H	R/B/Y		200
	LSU2-250H	R/B/Y		250
	LSU2-180FR	Filter Rotate		180

※ Customized LED Power and wavelength available
※ LSU2-180FR: Customized color filter available

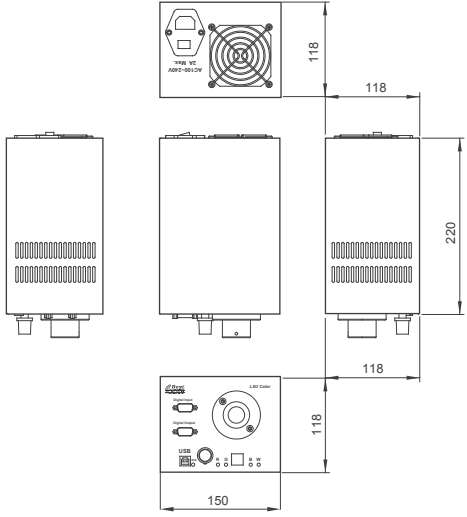
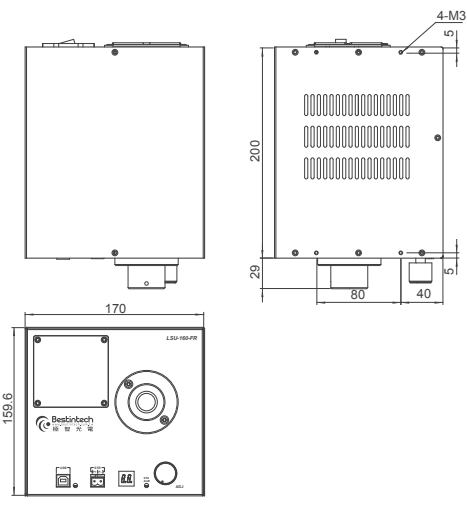
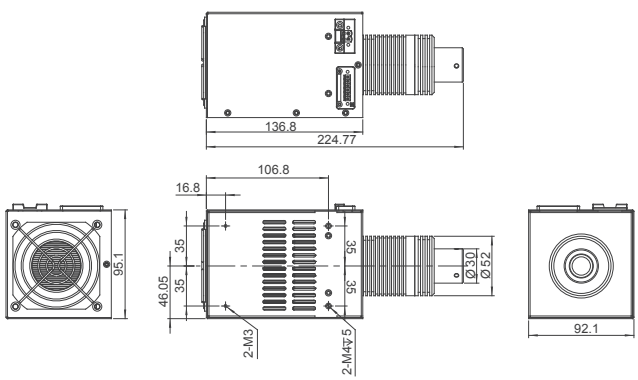
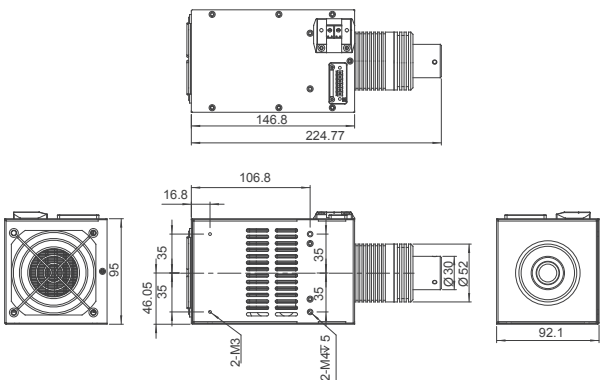
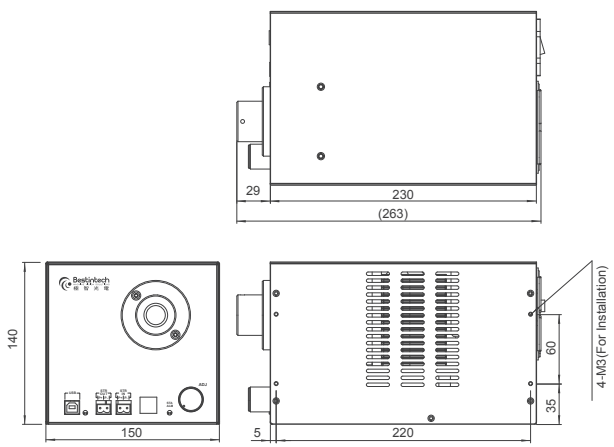
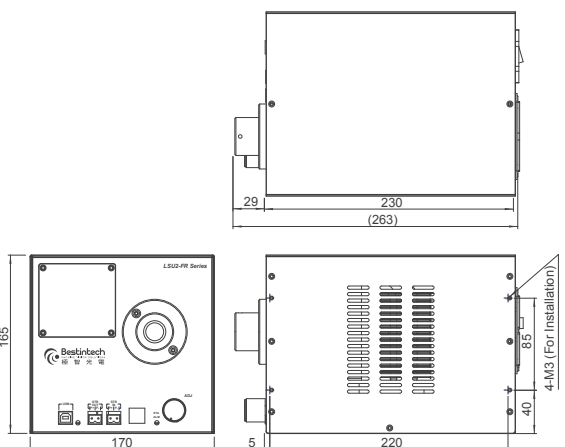


• LSU2-180FR Series



◆ Dimensional Drawing

(mm)

 <p>LSU-80</p>	 <p>LSU-160FR</p>
 <p>MLSP-160</p>	 <p>MLSP-180</p>
 <p>LSU2 Series</p>	 <p>LSU2-180FR</p>