

# LSU2-VAR Series

## High Power Light Source Unit



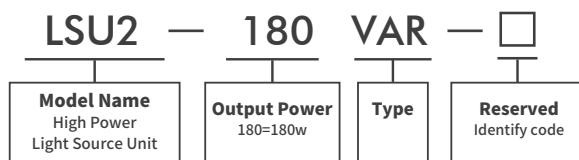
### ◆ Product Features

- 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
- External pulse switch control : provides external trigger switch signal to synchronize LED strobe; the minimum width of LED output reaches to 33us; the maximum frequency of strobe output reaches to 30kHz
- 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



• LSU2-VAR

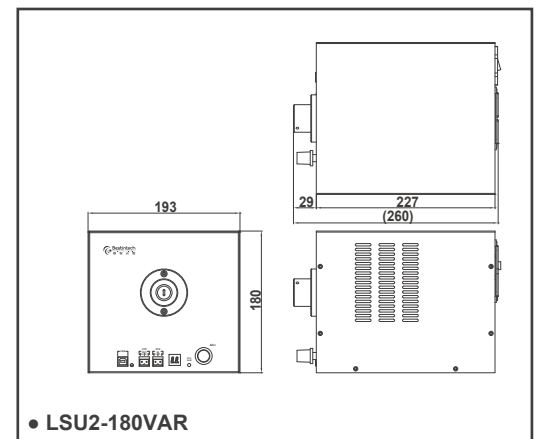
### ◆ Model Guide



### ◆ Specification Table

Specifications	
Spectral Range	425nm ~ 780nm (Peak Wavelength)
Spectral Bandwidth (FWHM)	10nm ~ 15nm
Spectral Resolution	5nm per step
Spectral Accuracy	±1nm (Peak Wavelength)
Full Beam Angle	~7° (±3.5 °)
Luminance	Up to 15000 lx at 555nm (spectrum dependent) @ light source outlet
Light Output Intensity Range	4096 steps
Scan Speed	100nm / sec.
Lamp Lifetime	> 50000 hours (LM-80 : L70/B50)
Available Light Guide Adaptor	Bestintech / Moritex / Sumita / Hayashi / Customized available
Interface Connectors	USB 2.0 (Virtual COM Port)
Input Voltage and Power	90 to 264 VAC at 47-63Hz, 300W max.
Dimensions	193(W. max.) x 260(L. max.) x 180(H. max.) mm

### ◆ Dimensional Drawing



• LSU2-180VAR

### ◆ Spectrum

