

QCLD2 Series

Quad-Channel Constant Current LED Driver



• QCLD2



• QCLD2-L
• QCLD2-LV2
• QCLD2-LS

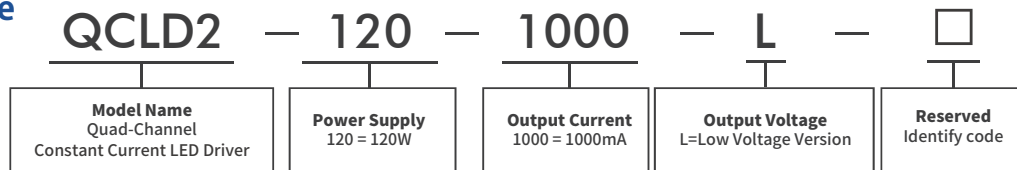


• QCLD2-120W/300W-L
• QCLD2-120W/300W-LV2
• QCLD2-120W/300W-LS

◆ Product Features

- USB interface for electrical isolation; ultra-high speed strobe optical receiver
- Digital knob to adjust output current with 7-segment display indicator; channels can be adjusted and storage individually
- High-current driving capacity : maximum 3000mA output current per channel
- Build-in power supply
- 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
- Precision current adjustment resolution : digital knob provides 256 adjusting current levels, USB interface provides 4096 adjusting current levels
- High-efficiency and high-power factor power circuit
- LED strobe output width can be adjusted from 1us~64s of exposure width
- QCLD2 \ QCLD2-L/LV 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 (periodic)
- QCLD2-LS external pulse switch control : provides external trigger switch signal to synchronize LED strobe; the minimum width of LED output reaches to 100us; the maximum frequency of strobe output reaches to 10kHz (periodic)
- 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

◆ Model Guide

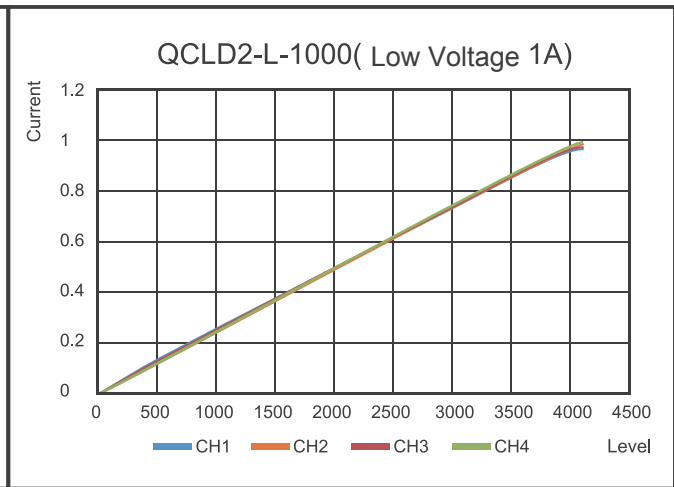
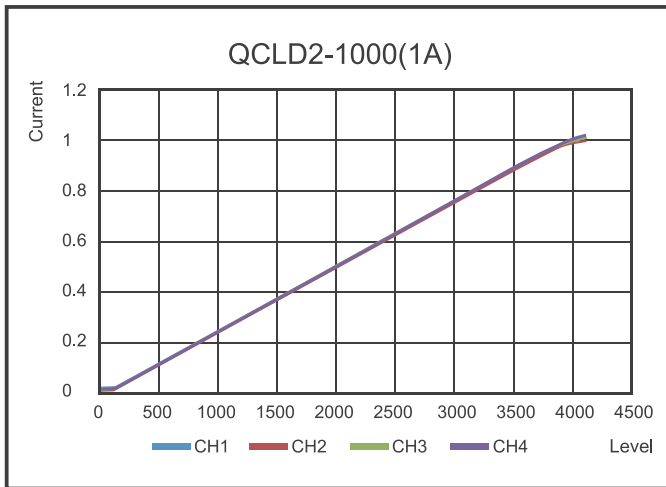


◆ Specification Table

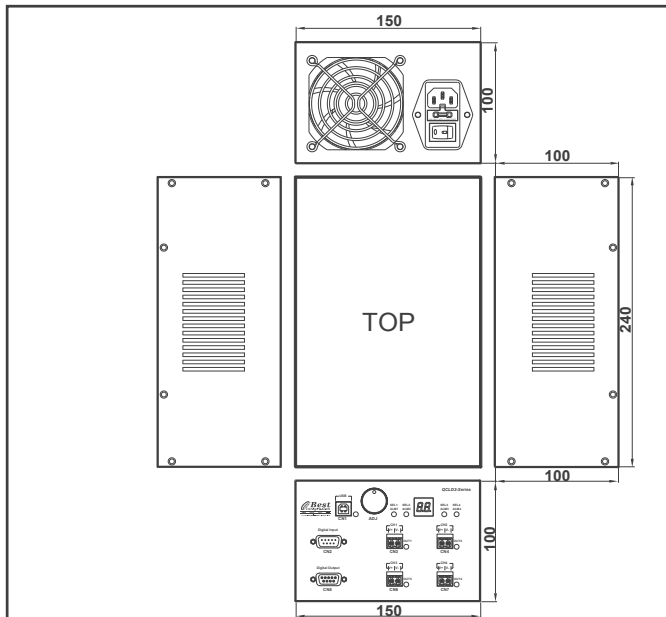
Model	Driver Type	Power Supply	Input Voltage	Output Voltage	Output Current (Max.)
QCLD2	Wide Voltage	200W	AC100V~240V	DC5V~52V	≤5000mA
		400W			
		600W			
QCLD2-L	Low Voltage	65W	AC100V~240V	DC1.5V~22V	≤3000mA
		120W			
		300W			
QCLD2-LV2	Low Voltage	65W	AC100V~240V	DC1.5V~24V	≤2000mA
		120W			
		300W			
QCLD2-LS	Low Voltage with Strobe Optimized	65W	AC100V~240V	DC12V~24V	≤2000mA
		120W			
		300W			

※ Customized output voltage/current available

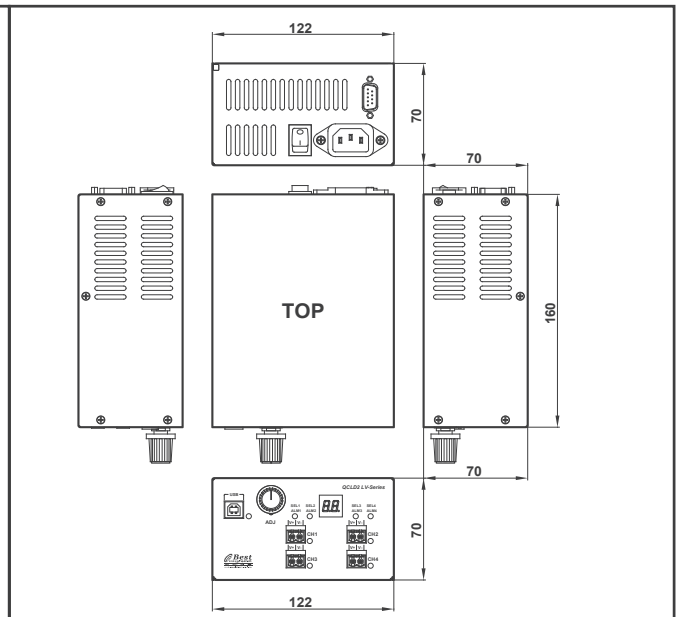
◆ Linear Diagram



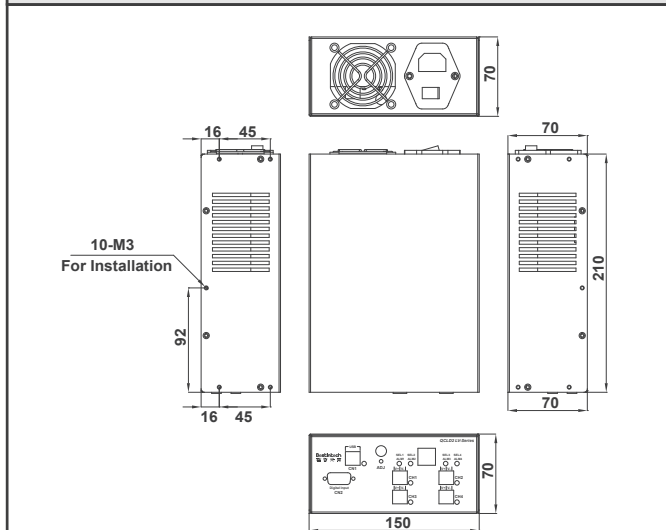
◆ Dimensional Drawing



• QCLD2



• QCLD2-65W-L / LV2 / LS



• QCLD2-120W/300W-L / LV2 / LS