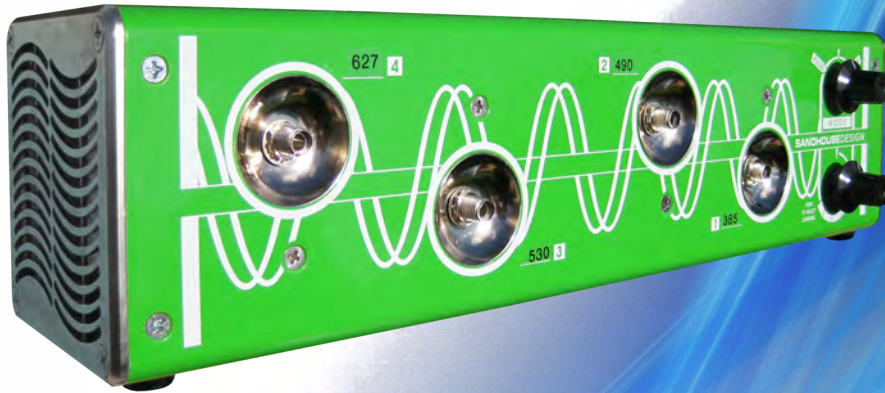


Multi-Channel Light Source



Multi-Channel LED Light Source with Integrated Time Domain Controller

The Ocean Optics Multi-Channel LED Light Source is designed to power 4 LED modules. The constant current drivers can each drive up to 2 amps continuously or 4 amps at 50% duty cycle. The user changeable LED modules are automatically recognized and the drive current is adjusted accordingly. This light source can work along or be controlled through its USB interface.

The MCLS has a powerful integrated timing controller that provides synchronization between the different channels. External events can be adjusted with a resolution of up to 10 ns. The duty cycle and pulse width of the LEDs can be programmed with great precision up to pulse widths of several seconds. Each LED channel has its own timer and the off time and on time of each channel is independently controlled.

Variable triggering modules can be easily configured with Timing Genie Software. Once the timing setups are configured, you can store them onto your MCLS without the need for a computer.

The MCLS can support stand alone, master or slave operation.

Specifications

Dimensions	3" x 3" x 11.75"
Weight	1.5 lb.
Software	Timing Genie for Windows and Java compatible SDK
PC interface	USB 2.0
Trigger modes	External, internal and free-running
Timing resolution	10 ns
Drive capability per channel	2.0 amps, continuous - 4 amps at 50% duty cycle
LED modes	Sequential, synchronized and free-running
Analog control resolution	12 bit

Interface Connection and Power Source

