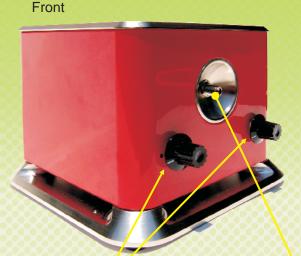
DESIGN

innovative products for fiberoptic sensing







SMA Fiber Output



Mode Switch & Intensity Adjustment and Fiber Coupling



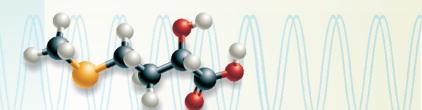
Interface Connection and Power Source

The "Cool Red" borrows its name from stars that emit light mostly in the infrared part of the spectrum. It's designed to fill the need of light sources for infrared fiber based spectroscopy. The Cool Red accomplishes this by a unique optical and thermal design that couples light energy from a silicon Nitride emitter glowing at 1500 °Kelvin.

The Cool Red source works great as a compliment to Sandhouse Design's SIR line of midinfrared analyzers, or in any general application where high intensity infrared light is needed.

This light source offers many unique features and an ergonomic design. For systems that require optical modulation, an integrated optical shutter can be modulated at frequencies of up to 200hz. The shutter can be driven externally through a 15 pin digital interface. If no external drive is available, the shutter can be driven internally by an integrated adjustable square wave generator. The frequency can be continually adjusted through the control knob on the front panel from .5hz to 200hz.. The digital output for this signal can be taken from the same 15 pin interface and used to synchronize other devices.

See back for technical info and pricing -



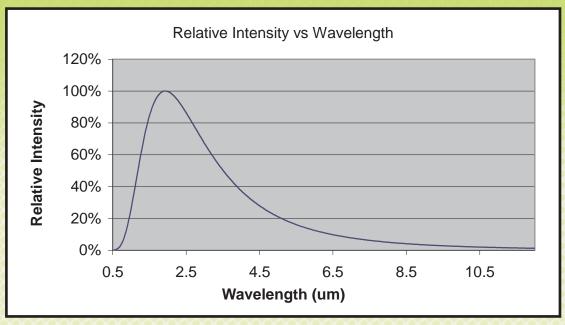
For Orders or Inquiries
Call (727) 738-4477 or Fax (727) 342-7304

info@SandhouseDesign.com

SandHouse Design, LLC Dunedin, Florida U.S.A.

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Intensity Profile



System Specs

Lamp	Material Temperature Lifetime Warm-up time Power	Silicon Nitride (Si3N4) 1500 °K 2,000 hours 12 seconds 50 Watts	
	Shutter	Shutter frequency	200hz
Additional	Info Replacement lamps	CR-Lamp-50W	\$129.00
Power supply requirements 5 amps, 24 volts 5.5mm Od/3mmID Universal input power supply included			
Dimensions 5" x 5" x 4.5"			



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