

Cool Red

Infrared Light Source



The Cool Red works beautifully as a complement to mid-infrared analyzers or in any spectroscopy application where high-intensity infrared light is required.

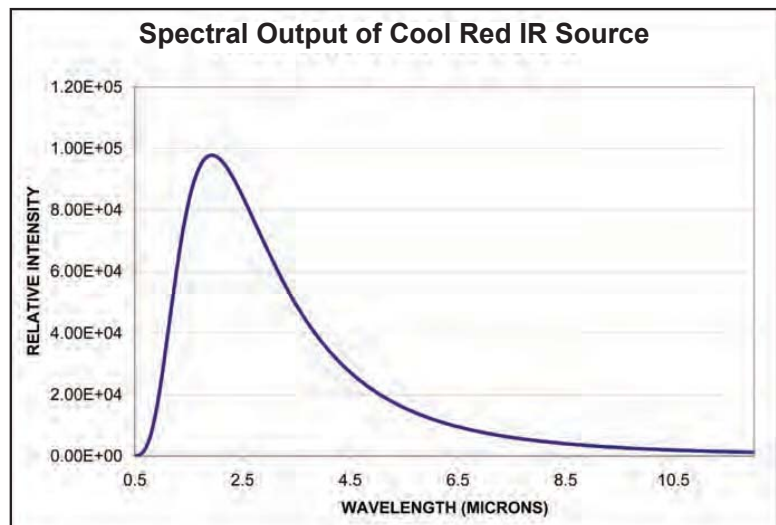
Cool Red is especially useful for applications in the region from 1000-5000 nm. For systems that require optical modulation, an integrated optical shutter can be modulated at frequencies of up to 200 Hz.

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.

Frequency can be continually adjusted through the control knob on the front panel from 0.5 Hz to 200 Hz. The digital output for this signal can be taken from the same 15-pin interface and used to synchronize other devices.

Specifications

Lamp	
Material:	Silicon Nitride (Si ₃ N ₄)
Temperature:	1500 °K
Lifetime:	2,000 hours
Warm-up time:	12 seconds
Power:	50 Watts
Shutter	
Shutter frequency:	200 Hz
Additional Information	
Replacement lamps:	CR-Lamp-50W
Power Supply Requirements	
5 amps, 24 volts	
5.5 mm OD/3 mm ID	
Universal input power supply included	
Dimensions	
127 mm x 127 mm x 114.3 mm	



We're Not Afraid of Commitment

Our 3-Year Warranty is truly an industry exclusive. No other manufacturer of spectrometers offers a warranty as comprehensive or solid. Your Ocean Optics spectrometer, light source or sampling accessory is guaranteed to be without manufacturing defects for a full 3 years. We also cover your optical fiber or probe a full 12 months.

This means that you can rely on your sensing solution from Ocean Optics to provide years of reliable, worry-free results.

Ask an Ocean Optics Applications Scientist for the details or visit us online.



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