

Manufacturer of FT-IR / FT-NIR Spectrometers & Liquid Crystal Elements

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ARCoptix ARCLIGHT-NIR & ARCLIGHT-MIR

The ARCOptix ARCLIGHT-NIR & ARCLIGHT-MIRIR are versatile broadband lamps optimized for the VIS-NIR (400 – 4,000nm) or MIR (1-25µm) spectral ranges. The light sources used in the ArcLight lamps are the brightest available, ensuring that you will achieve the best signal-to-noise ratio in your application. The lamps feature a high-end stabilized electronic power supply and a variable mechanical attenuator. They are supplied with a removable fiber coupler enabling free-space of fiber-coupled operation.





Specifications

Product code ARCLIGHT-NIR **ARCLIGHT-MIR** Spectral range 400-4,000 nm 1-25 μm Spectral range 25,000-2,500 cm-1 10,000 - 400 cm-1 Temperature $\sim 2,850 \text{ K}$ $\sim 1,550 \text{ K}$ Rated lifetime 4,000 h 10,000 h Lamp power 20 W 20 W Lamp type QTH (halogen) SiC globar

SMA-905 SMA-905 Removable fiber NA = 0.25NA = 0.3coupler CaF2 lens Off-axis parabolic mirror

Output beam diameter

12.7mm

5-40 °C

Operational

Attenuator

Dimensions

temperature range

Manual iris diaphragm

Cooling Forced air

12V Power requirement

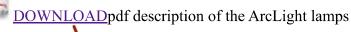
(100-240V AC to 12V DC converter included)

92mm x 92mm x 43mm (without fiber coupler)

140mm x 92mm x 43mm (with fiber coupler)

Weight 390 g

- Broadband
- Highest intensity and color temperature
- VIS-NIR and IR versions available
- Removable fiber coupler
- Mechanical attenuator





FT IR Spectrometers & Liquid Crystal Elements ABOUT US

ARCoptix is a high-tec company established in Neuchatel (Switzerland) that is situated along the ARC of the Jura mountains in the heart of the watch valley.

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CONTACT

Address: Arcoptix S.A. Faubourg de la Gare 5A 2000, Neuchatel, NE, Switzerland

Phone: +41 32 731 04 66 E-Mail: info@arcoptix.com