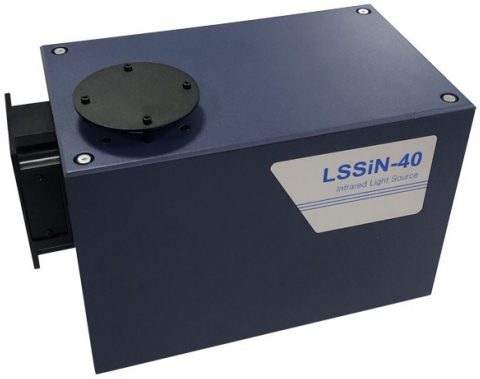
LSH-SiN40 Silicon Carbide Infrared Light Source, 1–14 µm, f/4, 2000 h Life

Model LSH-SiN40 · waveqvanta.com/products/lsh-sin40-silicon-carbide-infrared-light-source

Silicon carbide infrared source covering 1–14 µm for IR spectroscopy, operating without water cooling.



This carborundum infrared light source combines the LSH-SiN40 lamp housing with the LSP-T200 regulated power supply. Its silicon carbide emitter runs at 900–1200 °C with a small 4 × 15 mm luminous area that is easy to collect at f/4, needs no water cooling and has a rated life of 2000 hours.

Key features

- Silicon carbide emitter covering 1–14 µm (1–16 µm)
- Small 4 × 15 mm luminous area with f/4 output for efficient light collection
- Emitter temperature 900–1200 °C; no water cooling required
- 2000 h emitter lifetime
- Optical port center height 128–168 mm
- LSP-T200 power supply: 200 W, 0–10 A, 0–20 V

Specifications

Emitter	Silicon carbide (carborundum)
Housing Power	≥ 40 W
Spectral Range	1–14 µm (1–16 µm)
F-number	f/4
Luminous Size	4 × 15 mm
Operating Voltage	8 V
Operating Current	6 A
Emitter Temperature	900–1200 °C
Emitter Lifetime	2000 h
Optical Center Height	128–168 mm
Cooling	No water cooling required
Power Supply Model	LSP-T200
PSU Power	200 W
PSU Output	0–10 A, 0–20 V
PSU Input	AC 220 V ±10%

Typical applications

- Infrared spectroscopy
- IR monochromator and spectrometer illumination
- Infrared detector spectral response testing
- IR transmission measurement of materials