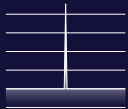


SKYLARK 320 NX

SINGLE FREQUENCY CW DPSS UV LASER



Key features



Narrow linewidth
 ≤ 500 kHz



Low power noise
 ≤ 0.3 % RMS



Stable wavelength
 ± 0.2 pm over 8 hours



Stable output power
 ≤ 2.0 % over 8 hours

Scan to view specifications
& product downloads



Laser specifications

Output beam parameters

Output power	up to 200 mW
Wavelength	320 nm
Spectral bandwidth	≤ 500 kHz
Spatial mode	TEM ₀₀
Spectral stability	± 0.2 pm (over 8 hours)
Coherence length	> 100 m
Output power stability	≤ 2.0 % (over 8 hours)
Output power noise	≤ 0.3 % RMS (10 Hz - 10 MHz)
Beam divergence	1.0 mrad, diffraction limited
Beam diameter at output aperture	1.0 - 1.5 mm
Beam pointing stability	≤ 5 μ rad/ $^{\circ}$ C

Environmental conditions

Ambient temperature range	18 - 30 $^{\circ}$ C
Laser head interface stability	± 1.5 $^{\circ}$ C
Storage	0 - 50 $^{\circ}$ C
Humidity	0 - 50 %, non-condensing

What do our customers say about Skylark 320 NX CW DPSS single frequency lasers?

"An excellent replacement for an Argon or HeCd laser: emission is spectrally pure, efficiency is much better, it provides better longevity with cheaper maintenance, and it is much smaller."

SEMICONDUCTOR INSPECTION CUSTOMER

"It's taken 15 years to find a suitable replacement for our HeCd laser. The clean mode enables us to manufacture high fidelity gratings with $> 92\%$ transmission efficiency (vs. 70% with HeCd)"

OPTICAL GRATING MANUFACTURER

"The Skylark 320 NX laser is an excellent, efficient source for laser interference lithography [techniques], a great improvement over gas systems, and with spectrally clean emission."

SEMICONDUCTOR MATERIALS ANALYST

Reveal the unseen,
detect the imperceptible,
measure the unknown.

