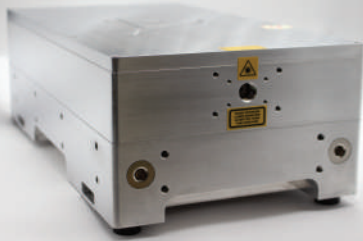
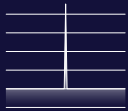


SKYLARK 640

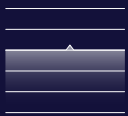
SINGLE FREQUENCY CW DPSS VIS LASER



Key features



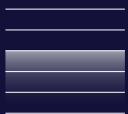
Narrow linewidth
 ≤ 500 kHz



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 1,000 mW
Wavelength	640 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

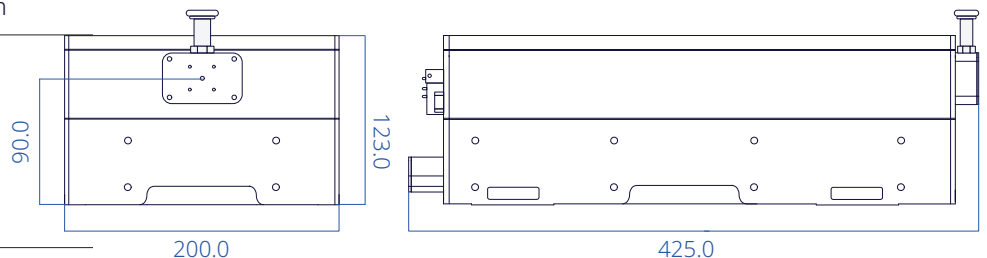
Ambient temperature range	18 - 30 $^{\circ}$ C
Laser head interface stability	± 1.5 $^{\circ}$ C
Storage	0 - 50 $^{\circ}$ C
Humidity	0 - 50 %, non-condensing

Skylark DPSS laser system overview

Dimensions

Laser head (L x W x H) 425 x 200 x 123 mm

Beam height 90.0 mm



Laser control

Control connectivity Ethernet

Laser control Web-based GUI

Safety features Interlock, mechanical shutter

Get in touch to tailor a laser to your application