

OL 490
Agile Light Source
Documentation Modification Notice
OL 490-NUV Agile Light Source
Spectral Range (350 nm to 650 nm)

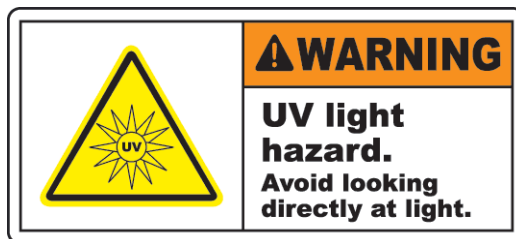
The following specification changes apply to the OL 490-NUV Agile Light Source due to its customized wavelength range:

Spectral Wavelength Range	350 nm to 650 nm
Nominal Output Power (<i>all mirrors on, new lamp, 350 nm to 650 nm</i>)	
150µm slit.....	~56 mW
350µm slit.....	~130 mW
500µm slit.....	~225 mW
750µm slit.....	~300 mW
Wavelength Resolution	0.39 nm
Spectral Accuracy (<i>typical</i>)	
150µm slit.....	± 1 nm
350µm slit.....	± 1 nm
500µm slit.....	± 2 nm
750µm slit.....	± 2 nm
Nominal Optical Half-Bandwidths:	
150µm slit.....	5 nm ± 2 nm
350µm slit.....	10 nm ± 2 nm
500µm slit.....	15 nm ± 2 nm
750µm slit.....	20 nm ± 2 nm
Output Spot Size.....	3.0 mm

OL 490-Xe-NUV Xenon Lamp Source

The OL 490-Xe-NUV Xenon Lamp Source provided with this system utilizes a 500-watt Xenon lamp with enhanced UV output. Care must be taken to protect the eyes and skin from hazardous exposure to the UV radiation emitted by the lamp during operation. The following precautions should be adhered to for safe operation of the lamp. *See the OL 490 Agile Light Source User's Manual for additional information.*

1. Do not look directly at the light.
2. Wear protective gloves, eyewear, and long sleeves.
3. UV radiation produces ozone. Operate the lamp only in a well-ventilated area with an exhaust system.
4. Post appropriate warning notices regarding UV light hazards.



OL Series 490 Liquid Light Guide

Type..... Single-branch liquid light guide
 Numerical Aperture..... 0.59 (f/0.85)
 Cone Angle..... 72 degrees
 Wavelength Transmission Range..... 300 nm to 650 nm

Model No:	Length	Core Diameter	Min. Bend Radius
OL F490-UL3.0PJ1.0	1 meter	3 mm	3.0 inches (7.62 cm)
OL F490-UL3.0PJ2.0	2 meters	3 mm	3.0 inches (7.62 cm)

This product contains items that are considered non-standard production that require custom design and engineering. The performance parameters given for a custom engineered solution may be based upon estimates from theoretical modeling and simulations and not actual results. While we strive to achieve optimum performance for all of our products, special modifications and custom designed equipment may not meet the estimated performance and thereby are not guaranteed unless specifically stated.

