



# SmartLight™

Model #3900e

Illumination Technologies, Inc.

## Product Highlights

- Integrates short and long term stability with the calibration technology of the 4900
- A compact very easy to use and implement fiber optic light source
- Updated fully digital control loops provides our most stable and widest dynamic ranged tungsten halogen light source to date
- Includes one-touch *AutoCal™* - No external companion calibrator required
- *AutoCal™* precision provide peace of mind knowing that every system has the same photonic output for life – even after numerous lamp replacements
- Perfect for applications where FDA cGMP standards 21 CFR Parts 210, 211 (Pharmaceuticals) and 21 CFR Part 820 (Medical Devices) mandated compliance standards for equipment / process validation and calibration
- *AutoCal™* also performs a proprietary lamp characterization which provides a highly precise and reliable measure of the lamp's condition and usable lifetime - dramatically reducing unscheduled maintenance
- The 3900e unit accepts standard and custom fiberoptic light delivery components



## General Specifications

- Internal Filter Holder
- Lamp Lifetime Indicator
- RS-232 (USB & Ethernet Options)
- 150W Halogen Light source
- 100-240VAC Operation
- Light-Lock Light Feedback
- Fully Automated Internal Lamp Calibration
- 3900e Manual or Serial Control
- TUV Safety Certification
- Internal Photo calibration
- Smallest Form Factor

## Applications include:

- CCD/CMOS Sensor Testers
- Biomedical Diagnostics
- Digital & Confocal Microscopy
- Hyperspectral Imaging
- Food Processing
- CIE-A Illuminant Standards
- NIR Applications (700-2000nm)
- Pharmaceutical Development
- Precision Scientific R&D

## Mechanical Specifications

