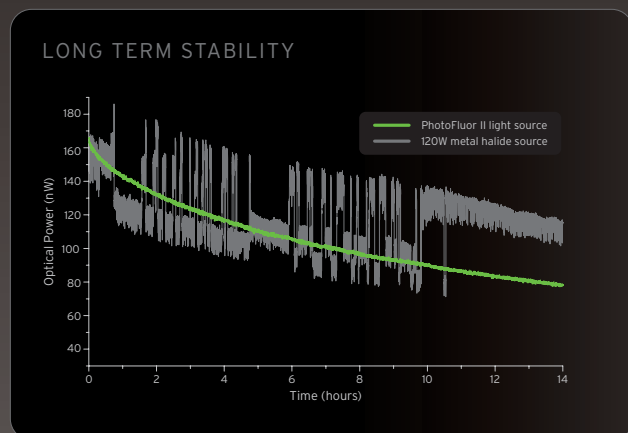
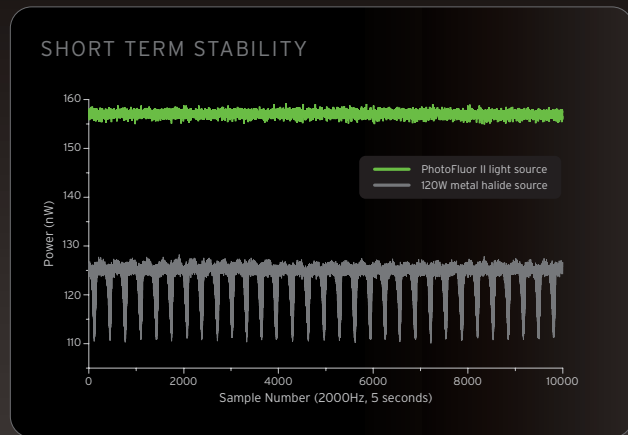


PhotoFluor® II

high powered, ULTRASTABLE light source for quantitative fluorescence imaging

stable output

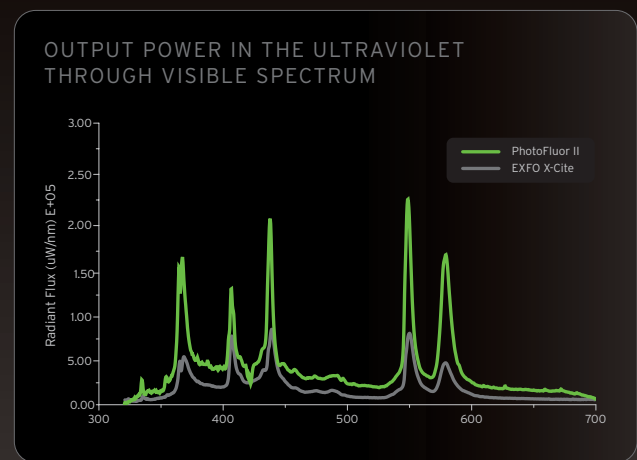
The field of fluorescence imaging is moving more and more away from simple qualitative analysis to more rigorous quantitative imaging. To accurately quantitate sequential fluorescence images, it is essential that the output of your light source remain constant between exposures. Fluctuations in output intensity can seriously hamper your ability to accurately quantitate you data. The Photofluor® II offers unsurpassed output stability over both the short and long term, enabling truly quantitative fluorescence imaging.



For more details about this experiment, please visit www.89north.com/stableoutput

more power

The PhotoFluor II combines a powerful self-aligning 200W metal halide lamp with a sputtered IR-blocking optic to deliver exceptional light output from 340nm to 650nm. The intensity of the PhotoFluor II exceeds that of a typical 120W lamps and rivals that of a standard 100W mercury arc, without the problems associated with arc lamps.



For more details about this experiment, please visit www.89north.com/morepower



PhotoFluor® II (CT-3676) specifications

PHYSICAL CHARACTERISTICS

Width	5.5in
Height	8.5in
Depth	14.5in
Weight	16.6lbs
Operating Mode	Continuous
Water Protection	IPX0
Main Cable	10A/250V; Jack IEC 320/C13
Power Supply	100-240V, 50/60Hz, 3.15A; Remote On/Off 'SOFT OFF' button on keypad deactivates lamp to save power and bulb life. Electronics remain in low power standby mode.
Fuse	T3.15A 250V
Keypad	Five button control
Liquid Light Guide	5mm core x 2m (6.5ft) length 3mm core x 2m (6.5ft) length

LAMP

Type	200W metal halide
Output	Approx. 20W with 5mm core, 12W with 3mm core

5-POSITION FILTER WHEEL

Mode	Motorized operation
Contents	Attenuation screens, can accept heat tolerant excitation filters
Motorized Shutter	Approx 250ms response time

AMBIENT CONDITIONS FOR OPERATION

Temperature	10° to 25°C (50° to 77°F)
Relative Humidity	30% to 75%
Air Pressure	700hPa to 1060hPa

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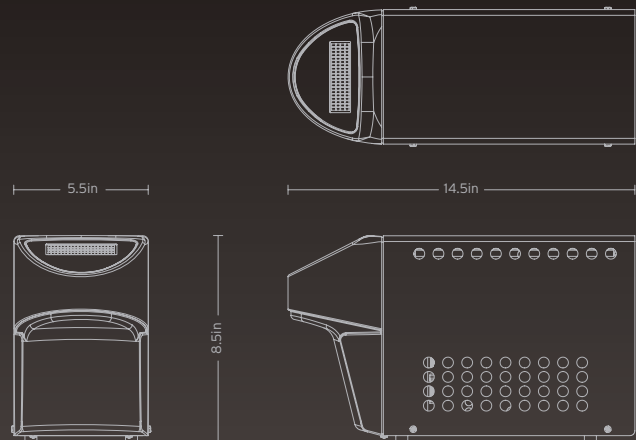
DISPLAY AND SAFETY FEATURES

Display and Safety Features	Clear display of lamp time, filter wheel position Automatic system diagnostics Resettable lamp counter with warnings Four line by 20 character display (dimnable) Safety interlocks, output light blocked in absence of light guide Overtemperature protection with software warnings and hardware shutdown
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Compliance ETL and CE/CSA compliant

SERIAL CONNECTION

Serial Control	Computer interface with provided or easily customized software via binary or ASCII commands User adjusted contrast, volume, filter wheel position names User controlled filter position
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