

# X-Cite 120

The New Standard in Fluorescence Illumination



Pre-Aligned Intelli-Lamp™ System

1500 Hour Lamp Life

Built-In Intelligence



The EXFO X-Cite™ 120 gives you convenience and control never before available in a fluorescence illuminator. The X-Cite 120 has been engineered specifically to let you focus your energy where it belongs – on the best possible results.

# Precision Technology That's Light Years Ahead

## Pre-Aligned Intelli-Lamp™ System

### Easier to Use

No more difficult lamp changes – just snap out the old lamp and snap in a new one. It's even pre-aligned for further convenience. Rated at 1500 hours, this powerful 120W metal halide lamp has five times the life span of a conventional lamp. That means significantly fewer replacements, saving you both time and money. Connecting the X-Cite 120 to your microscope is easy. Simply snap the adapter into your existing light port and you're ready to work.

### Better Results

The Intelli-Lamp system's proprietary design continually monitors lamp temperature, preventing life-shortening restrikes until the lamp cools to a "safe-to-restart" state. The design also helps to ensure that the X-Cite 120 operates at a consistent intensity – both over time and from lamp to lamp – for reliable and repeatable results. Finally, working with the liquid light guide, the 120W metal halide lamp provides rich spectral excitation, produces a totally uniform field of view, and ensures that no heat is transferred to the specimen.



## Built-In Intelligence

### Easier to Use

The user-friendly controls of the X-Cite 120 make operation simple and straightforward.

### Better Results

The LCD display of the X-Cite 120 gives you total accumulated lamp usage to track the life of your lamp.



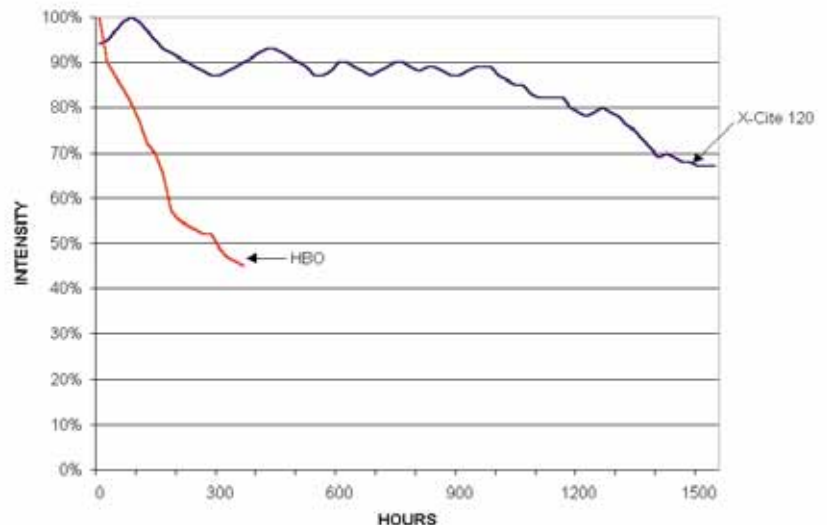
### Optional Iris

The optional adjustable iris is beneficial in applications where photobleaching is a concern.

## 1500 Hour Lamp Life

For both quality and safety reasons, most conventional illumination lamps have a maximum recommended life of up to 300 hours. The metal halide lamp used in the X-Cite 120 has a typical life of 1500 hours – and delivers consistent intensity from first use to last.

LIFETIMES OF X-CITE AND HBO LAMPS



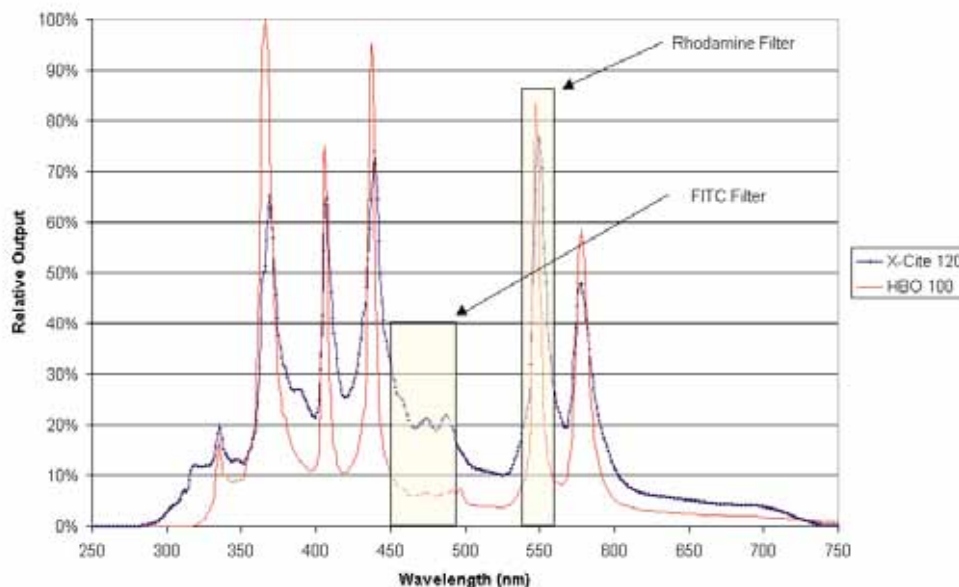
## Features

## Benefits

Pre-aligned lamp	Easy lamp replacement - No alignment required
1500 hour lamp life	Fewer lamp replacements saves time and money
Intelli-Lamp™ technology	Maintains optimum lamp temperature, automatically accumulates lamp hours
Light guide attachment	No heat from the lamp is transferred to the specimen
Powerful 120W lamp	Rich spectrum with high excitation intensity
Custom coupling optics	Uniform field of view with various aperture stops and magnifications
CE Marked	Ready for use worldwide

## A Richer Spectrum and a Bright Idea

Relative Output X-Cite 120 vs. HBO 100



The powerful 120W metal halide lamp used in the X-Cite™ 120 provides excitation intensity comparable to, or better than, conventional mercury arc lamps, with an added benefit: the broader spectrum excites more fluorophores.

## Results Without Risks: Improved Safety

The X-Cite 120 has been designed with safety in mind. Its enclosure and connections have been specially engineered to eliminate light leakage. Its pre-aligned lamp eliminates accidental UV or bright light exposure. Automatic safety interlock features activate during lamp or light guide removal, providing additional accidental exposure protection. The system's environmentally friendly lamp employs a quick-strike arc that eliminates hazardous ozone production. Your lab equipment is also protected from power surges and RF interference. The X-Cite 120 meets electromagnetic compatibility standards for conductive and radiated emissions.

## Specifications

Includes:	Lamp module, liquid light guide, microscope adapter, grounded and shielded power cord and manual
Lamp:	Proprietary 120-watt metal halide
Lamp Life:	1500 hours (typical)
Power Supply:	High efficiency, switch mode, line isolated, 90-264 VAC, 47-63 Hz, universal input
Warm-up Period:	90 seconds (typical)
Panel Controls:	Power on/off; Optional iris adjustment
Panel Displays:	Accumulated Lamp Usage, Lamp On Indicator, Lamp Failure Indicator
Dimensions:	13.5" x 5.5" x 6.5" (L x W x H)
Weight:	6.7 lbs. / 3.04 kg
Worldwide Certifications:	CE Marked, Certified to IEC, Canadian and US Standards
Warranty:	1 year (excluding lamp and light guide)

### Accessories, Expertise and Custom Inquiries

EXFO welcomes custom inquiries. Our team of light-based technology experts can recommend a light delivery system for virtually any precision illumination challenge. EXFO also carries a full line of replacement parts, supplies and accessories.

## Contact

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EXFO is certified ISO 9001 and attests to the quality of these products. This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. EXFO has made every effort to ensure that the information contained in this specification sheet is accurate. However we accept no responsibility for any errors or omissions, and we reserve the right to modify design, characteristics and products at any time without obligation. Units of measurement in this document conform to SI standards and practices.

**Contact EXFO for prices and availability or to obtain the phone number of your local EXFO distributor.**

For the most recent version of this spec sheet, please go to the EXFO website at <http://www.exfo.com/support/techdocs.asp>  
In case of discrepancy, the Web version takes precedence over any printed literature.

