X-Cite®
Fluorescence Illumination • In Control

X-Cite 200DC Illumination System

The Ultimate Combination of Optical Performance and Speed.

DC lamp technology providing stable output

Smooth 0 to 100% intensity adjustment for maximum control

High speed internal shutter

Auto-light guide detection to optimize performance and lifetime

The X-Cite® 200DC brings together the most valued X-Cite features and delivers them in one system. Ideal for routine imaging and advanced applications requiring millisecond stability.

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EXCELITAS
TECHNOLOGIES®

FEATURES	BENEFITS
DC lamp	Exceptional short and medium term intensity stability
Adjustable iris, 0-100%	Intensity control to avoid photobleaching and optimize illumination levels
Internal high speed shutter	Limits photobleaching and mechanical vibration transferred to microscope during automated imaging for better image quality
Liquid Light Guide	Superior illumination uniformity and elimination of heat transfer to microscope
Automatic Light Guide Detection	Ensures proper/complete insertion of light guide to optimize performance and extend lifetime
Pre-aligned 2000 hour lamp	Easy lamp replacement with no alignment required
Intelli-Lamp® Technology	Maintains optimum lamp temperature; Monitors lamp hours

TECHNICAL SPECIFICATIONS

Includes	Lamp module, liquid light guide with adaptor, foot pedal, grounded and shielded power cord, user guide (on CD), quick-start guide
Lamp	200W Mercury Vapor Short Arc, DC
Lamp Life	2000 hours guaranteed, 2500 hours typical
Adaptors	Compatible with microscopes from all major manufacturers
Filter	Bandpass, 340-800nm, non-removable
Shutter	Front panel button, foot pedal, TTL input/sync output Response time: 5-6 ms trigger to open/close (TTL)
Iris	ND (Neutral Density) mesh, manual dial control, continuous non-detent motion from 0-100%
Warm-up Period	4 minutes (typical)
Panel Controls	Power on/off, shutter open/close, manual iris adjustment dial
Panel Display	Accumulated lamp hours, status messages
Panel Status Indicators	Lamp on, shutter open, light guide insertion
Power Supply	Power Factor Corrected, Universal Input
Input Voltage	100-240VAC, 50/60Hz
Current	3.5A max at 120VAC, 2.0A max at 240VAC
Input Surge	50A max (cold start)
Fuse Rating	Dual fuse: each rated at F5.0A 250V, 5x20mm type
Dimensions	13.5" x 7" x 8" 34cm x 18cm x 20cm
Weight	10.8lbs / 4.9kg
Certifications	CE marked, certified to IEC, Canadian and US Standards, RoHS compliant
Warranty	1 year (excluding lamp and light guide)