X-Cite® Product Selection Guide

		X-Cite® 120Q	X-Cite® 120Q w/iris	X-Cite® 120PC Q	X-Cite® exacte
Lamp					
Intelli-Lamp®	automatic hour tracking, temperature monitoring	o	o	o	o
Pre-alignment	fast, easy, safe installation	o	o	o	o
2000 hour warranty	guaranteed long life	o	o	o	o
Broad spectrum	excites wide range of fluorophores	o	o	o	o
DC powered	improved stability				o
Stability					
Closed-Loop Feedback (CLF)	compensates for changes in lamp output, provides stable output over days				o
0 - 20ms stability	ideal for high speed acquisitions, flash photolysis and other ultra-fast applications				o
Milliseconds to seconds stability	ideal for structured illumination, video rate acquisitions, tiling and other short-medium term applications	o	o	o	o
Seconds to hours stability	ideal for general fluorescence assays and other medium term applications	o	o	o	o
Hours to days stability	ideal for cell culture time-lapse, comparative and quantitative studies over multiple time points and other long term applications				o
Measurable output	light guide compatible with X-Cite® Optical Power Meter	o	o	o	
Calibrated output option	absolute power reading in watts, provides repeatability				o
Illumination Uniformity					
Microscope Adaptor	compatibility with modern microscopes from all major manufacturers	o	o	o	o
Liquid light guide	ensures homogeneity, allows isolation of microscope from heat and vibration	o	o	o	o
Intensity Adjustment					
5-step iris (100%, 50%, 25%, 12%, 0%)	limits photobleaching		o	o	
100-step iris (1% increments)	limits photobleaching with improved ability to optimize specimen illumination				o
Shutter	turn illumination on/off without having to readjust iris constantly			o	o
Shutter - high speed	high speed acquisition, critical exposures				o
Band pass filter	removal of cell-damaging deep UV and IR wavelengths				o
Remote Control					
Foot Pedal	hands-free operation of shutter			o	o
Graphical user interface (GUI)	computer control of all functions, unit status information (including CLF)			o	o
Open code for all functions	easily adaptable to many software platforms			o	o
RS-232 connector	standard communication port			o	
USB connector	easy to use with today's standard computers				o
TTL	high speed shutter activation				o
Safety					
Interlock switches	prevents unit from running with access panels open	o	o	o	o
Light shields/shutter	automatic shielding of light when light guide is not inserted	o	o	o	o
Light guide detection	ensures proper/complete insertion of light guide				o