

X-Cite® LED Systems Overview

Fluorescence Illumination • In Control



	X-Cite 110LED	X-Cite 120LED	X-Cite 120LEDmini	X-Cite XLED1	X-Cite TURBO
Lamp/LED Type	LED	LED	LED	4 high-power switchable LEDs	6 high power switchable LEDs
Wavelength Range	360-660 nm	370-700 nm	370-700 nm	10 LED options (360-750 nm)	380-650
Lamp/LED Warranty	25,000 hours	25,000 hours	20,000 hours	20,000 hours	15,000 hours
Mercury Content	None	None	None	None	None
Intensity Control	1% increments	1% increments	1% increments	0.1% increments	1% increments
Analog Intensity Control	No	No	No	No	Yes
Shutter Speed	1 ms USB, 100 µs TTL	500 µs USB, 50 µs TTL	1 ms USB, 85 µs TTL	500 µs USB, 10 µs TTL	1ms USB, 100 µs TTL
PC Control	Yes	Yes	Yes	Yes	Yes
LLG Detection	Yes	N/A	N/A	Yes	Yes
Consumables	Liquid light guide	None	None	Liquid light guide	Liquid light guide
Coupling	Light guide	Direct coupling	Direct coupling	Light guide	Light guide
Imaging Requirements	<ul style="list-style-type: none"> Broadband light <ul style="list-style-type: none"> Stability Minimal sample exposure 			<ul style="list-style-type: none"> Fast wavelength switching Pulsing to increase cell viability Stability Advanced Automation 	<ul style="list-style-type: none"> 6 high power LEDs Fast switching Stable & repeatable