

X-Cite® LED Systems Overview

Fluorescence Illumination • In Control



	X-Cite 110LED	X-Cite 120LEDBoost	X-Cite 120LEDmini	X-Cite XLED1	X-Cite Turbo
LED Type	Broadband	Broadband	Broadband	4 switchable wavelengths	6 switchable wavelengths
Wavelength Range	360-660 nm	370-700 nm	370-700 nm	10 LED options (360-750 nm)	380-650 nm
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
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 • Stability • Minimal sample exposure 			<ul style="list-style-type: none"> • Fast wavelength switching • Pulsing to increase cell viability • Stable and repeatable • Advanced automation 	<ul style="list-style-type: none"> • Turbo power in 500-600 nm region • Fast wavelength switching • Stable and repeatable