

X-Cite[®] Family Overview

Fluorescence Illumination • In Control



	X-Cite 120Q	X-Cite 120PCQ	X-Cite 200DC	X-Cite <i>exacte</i>	X-Cite 110LED	X-Cite 120LED	X-Cite XLED1
Lamp Type	120 W AC	120 W AC	200 W DC	200 W DC	LED	LED	4 high-power LEDs
Wavelength Range	320-750 nm	320-750 nm	340-800 nm	340-675 nm	360-660 nm	370-700 nm	10 LED options (360-750 nm)
Lamp Warranty	2,000 hours	2,000 hours	2,000 hours	2,000 hours	25,000 hours	25,000 hours	20,000 hours
Mercury Content	20 mg	20 mg	30 mg	30 mg	None	None	None
Intensity Control	5-step (optional)	5-step	0-100% continuous	100-step	1% increments	1% increments	0.1% increments
Shutter Speed		~200 ms	5-6 ms (via TTL)	5-6 ms (via TTL)	1 ms USB, 100 µs TTL	500 µs USB, 50 µs TTL	500 µs USB, 10 µs TTL
PC Control		Yes	TTL shutter	Yes	Yes	Yes	Yes
LLG Detection			Yes	Yes	Yes	N/A	Yes
Consumables	Bulb, Liquid light guide	Bulb, Liquid light guide	Bulb, Liquid light guide	Bulb, Liquid light guide	Liquid light guide	None	Liquid light guide
Unique Features				Closed-loop feedback and calibration	Light guide coupled	Direct coupling	Advanced triggering and automation
Imaging Requirements	<ul style="list-style-type: none"> • High illumination power • Medium term stability¹ 	<ul style="list-style-type: none"> • PC control • Automated imaging 	<ul style="list-style-type: none"> • Short exposure times² • High-speed shuttering 	<ul style="list-style-type: none"> • PC control • Automated imaging • Multi-day experiments 	<ul style="list-style-type: none"> • Broadband light • Stability • Minimal sample exposure 	<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 • Stability

¹Medium term = exposures greater than 100 ms

²Short term = exposures less than 50 ms

³Price does not include adaptor

⁴Live or Fixed Cell Bundle; a la carte pricing will vary

