

# X-Cite® Lamp Systems Overview

Fluorescence Illumination • In Control



	X-Cite 120Q	X-Cite 120PCQ	X-Cite 200DC	X-Cite exacte
Lamp/LED Type	120 W AC Lamp	120 W AC Lamp	200 W DC Lamp	200 W DC Lamp
Wavelength Range	320-750 nm	320-750 nm	340-800 nm	340-675 nm
Lamp/LED Warranty	2,000 hours	2,000 hours	2,000 hours	2,000 hours
Mercury Content	20 mg	20 mg	30 mg	30 mg
Intensity Control	5-step (optional)	5-step	0-100%	100-step
Shutter Speed	N/A	~200 ms	5-6 ms (via TTL)	5-6 ms (via TTL)
PC Control	N/A	Yes	TTL shutter	Yes
LLG Detection	No	No	Yes	Yes
Consumables	Bulb, liquid light guide	Bulb, liquid light guide	Bulb, liquid light guide	Bulb, liquid light guide
Coupling	Light guide	Light guide	Light guide	Light guide
Imaging Requirements	<ul style="list-style-type: none"> <li>• High illumination power</li> <li>• Medium term stability<sup>1</sup></li> </ul>	<ul style="list-style-type: none"> <li>• PC control</li> <li>• Automated imaging</li> </ul>	<ul style="list-style-type: none"> <li>• Short exposure times<sup>2</sup></li> <li>• High speed shuttering</li> </ul>	<ul style="list-style-type: none"> <li>• PC control</li> <li>• Automated imaging</li> <li>• Multi-day experiments</li> </ul>

<sup>1</sup>Medium term = exposures greater than 100 ms

<sup>2</sup>Short term = exposures less than 50 ms