X-Cite[®] LED Systems Overview

Fluorescence Illumination • In Control









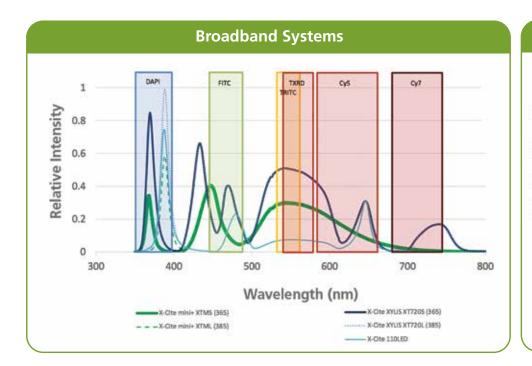


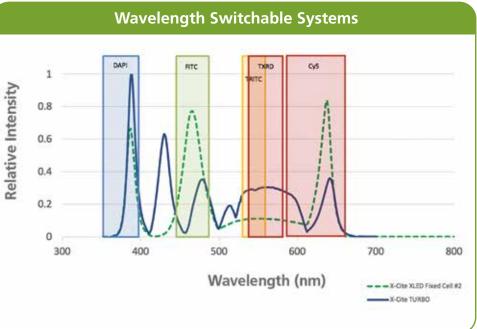
	X-Cite mini+®	X-Cite XYLIS™	X-Cite 110LED	X-Cite TURBO®	X-Cite XLED1
LED Type	Broadband	Broadband	Broadband	6 switchable wavelengths	4 switchable wavelengths
Wavelength Range	360-690 nm	360-770 nm	375-660 nm	375-660 nm	10 LED options (360-750 nm)
LED Warranty	20,000 hours	25,000 hours	25,000 hours	15,000 hours	20,000 hours
Mercury Content	None	None	None	None	None
Intensity Control	1% increments	1% increments	1% increments	1% increments	0.1% increments
Analog Intensity Control	No	No	No	Yes	No
speedDIAL	Yes	Yes	Yes	Yes	No (optional XLED controller)
Foot Pedal	Optional ¹	Optional ¹	No	No	No
Shutter Speed	1 ms USB 100 μs TTL	1 ms USB 100 μs TTL	1 ms USB 100 μs TTL	1 ms USB 100 μs TTL	500 μs USB 10 μs TTL
PC Control	Yes	Yes	Yes	Yes	Yes
Consumables	None	Liquid light guide	Liquid light guide	Liquid light guide	Liquid light guide
Coupling	Direct coupling	Light guide	Light guide	Light guide	Light guide
Applications	 DAPI to Cy5 Low cost white light LED option for HBO / arc lamp upgrades 	 DAPI to Cy7 Brightest / broadest white light LED spectrum Live cell and large format scanning F.I.S.H. Stereomicroscopes, macroscopes Short camera exposures 	 DAPI, FITC / GFP, Cy5 Low cost white light LED option for HBO / arc lamp upgrades requiring LLG Rabies research DAPI or GFP dedicated applications 	 DAPI to Cy5 6-channel wavelength fast-switching LED Live cell imaging Eliminates need for separate excitation filter wheel and shutter 	 DAPI/FITC/TRITC/Cy5 DAPI/CFP/RFP/YFP 4-channel wavelength fast-switching LED Optogenetics (Channel Rhodopsin/HaloRhodopsir Live cell imaging
Additional Features	 UV off mode "Favorite" intensity preset feature 	 LaserLED Hybrid Drive[®] for extremely bright red emission UV off mode "Favorite" intensity preset feature 	Compact footprintExternal power supply	 LaserLED Hybrid Drive Clean-up filter holders included Set of 7 filters installed (optional) External power supply 	 Clean-up filter holders inclu Field-replaceable, modular LED design

¹ Foot pedal input port is included in this model. Foot pedal device is sold separately.



X-Cite[®] Spectral Comparison







- For LLG coupled systems, measurements were obtained with a 3mm x 1.5m Liquid Light Guide.
- For direct coupled systems, measurements were scaled for realistic comparisons to LLG coupled systems.
- In all cases, light coupling efficiency depends on the microscope optics, filters, dichroics, etc.
- Data represents typical output levels. Output will vary between individual units.
- Filter bands shown: 377/50, 470/40, 545/25, 560/40, 620/60, 710/70.



www.excelitas.com x-cite@excelitas.com 2260 Argentia Road Mississauga, Ontario L5N 6H7 CANADA Telephone: +1 905 821-2600 Toll Free (USA and CAN): +1 800 668-8752 Fax: +1 905 821-2055