


PRODUCT CHOICE CHEAT SHEET

Product	pE-100	pE-300 ^{lite}	pE-300 ^{white}	pE-300 ^{ultra}	pE-340 ^{fura}	pE-4000	pE-100 ^{wht}
							
Description	Single wavelength solution	Simple White Light for everyday fluorescence	Everyday Controllable Illumination	Fast Controllable Illumination	LED Illumination for Fura-2 and common fluorophores	Research Fluorescence Illumination	100W Halogen replacement for all transmitted light techniques
Spectral Cover	20 wavelengths to choose from (365-770nm)	365nm or 400nm, 430nm -490nm, 510nm – 650nm	365nm or 400nm, 430nm -490nm, 490nm, 510nm – 650nm	365nm or 400nm, 430nm -490nm, 510nm – 650nm	340, 380, 430-650nm	16 selectable wavelengths spanning 365nm -770nm	White Light with CCT and CRI to match 100W halogen
Fura-2					✓		n/a
DAPI	✓	✓	✓	✓	✓	✓	n/a
CFP	✓	✓	✓	✓	✓	✓	n/a
FITC	✓	✓	✓	✓	✓	✓	n/a
YFP	✓	*	*	*	✓	✓	n/a
TRITC & Cy3	✓	✓	✓	✓	✓	✓	n/a
TexasRed & mCherry	✓	✓	✓	✓	✓	✓	n/a
CY5	✓	✓	✓	✓	✓	✓	n/a
Cy7, IRDye-800	✓					✓	n/a
Inline excitation filter holders				✓	✓	✓	
Direct attach	Direct Fit, LLG or Fiber	Direct Fit or LLG	Direct Fit or LLG	Direct Fit or LLG	Direct Fit or LLG	LLG or Fiber	Direct Fit or LLG
Power consumption (at 100% intensity)	25W	46W	46W	46W	36W	112W	20W
Control Pod includes	On/Off Intensity 0-100%	White Light On/Off Intensity 0-100%	On/Off Intensity 0-100% Channel control	On/Off Intensity 0-100% Channel control	On/Off Intensity 0-100% Channel control	On/Off Intensity 0-100% Channel control	On/Off Intensity 0-100%
TTL	Single TTL using BNC 150µs switching		Global 20µs switching	Global + Channel 20µs switching Sequence runner 20µs switching	Global + Channel 20µs switching Sequence runner 20µs switching	Global + Channel 20µs switching	Single TTL using BNC 150µs switching
Analogue						Individual channel control 0-10V	
Software Via USB			NIS, CellSens, MM, LAS, Zen, µManager, AndorIQ, HCLImage, Visiview & Slidebook, iVision	NIS, CellSens, MM, LAS, Zen, µManager, AndorIQ, HCLImage, Visiview & Slidebook, iVision	NIS, CellSens, MM, LAS, Zen, µManager, AndorIQ, HCLImage, Visiview & Slidebook, iVision	NIS, CellSens, MM, LAS, Zen, µManager, AndorIQ, HCLImage, Visiview & Slidebook, iVision	

*Works best with strong fluorophores. Please refer to CoolLED for further information