

LED sources

for fluorescence

HIGHLIGHTS

- Stand-alone operation
- Easy mounting and operation
- 9 excitation wavelengths-bands are available

TECHNICAL SPECIFICATIONS

LAMPHOUSE

The lamphouse can be mounted with a specific adapter on a Euromex Delphi-X Observer, iScope and Oxion upright microscope as well as for our Oxion Inverso and Delphi-X Inverso inverted models. For other brands, contact Euromex

CONTROLLERS

LE.6400

The standard LE.6400 system has a 100-240 V power supply/intensity control unit with touch screen for selection and intensity adjustment of four wavelength bands. Standard fits for all models, except Oxion inverso. For that model we offer LE.6400-OX. For other brand microscopes we offer adapters

Band	Wavelength	FWHM (nm)	Range	Color	Power (mW)
1	365	18	330-380	Ultra violet	≥ 2000
5	470	24	450-490	Blue	≥ 900
6	525	40	505-545	Green	≥ 500
8B	630	30	620-640	Red	≥ 600

LE.6400-OX (for Oxion inverso only)

The standard LE.6400-OX system has a 100-240 V power supply/intensity control unit with touch screen for selection and intensity adjustment of four wavelength bands

Band	Wavelength	FWHM (nm)	Range	Color	Power (mW)
1	365	18	330-380	Ultra violet	≥ 2000
5	470	24	450-490	Blue	≥ 900
7B	560	40	540-580	Emerald green	≥ 600
8B	630	30	620-640	Red	≥ 600

LE.6900

The ultimate LE.6900 system has a 100-240 V power supply/intensity control unit with keyboard pad for selection and intensity adjustment of nine wavelength bands, ranging from 330 to 670 nm

Wavelength	FWHM (nm)	Range	Color	Power (mW)	E.g. compatible fluorochromes
365	18	330-380	Ultra violet	205	DAPI (359 nm), Biosearch Blue (352 nm), Calcofluor White (350 nm)
385	14	370-395	Royal violet	126	Coumarin (384 nm), FluoroGold (390 nm), wtGFP (395 nm)
405	22	380-420	Violet	468	DyLight 405 (399 nm)
450	26	440-470	Royal blue	485	Auramine (460 nm)
470	24	450-490	Blue	315	Cy2 (489 nm), rsGFP (488 nm), EGFP (488 nm), FITC (494 nm), Acridine Orange (DNA -500 nm)
525	29	505-545	Green	142	Citrine (514 nm), Acridine Orange (500 nm)
545	16	510-560	Emerald green	172	TRITC (555 nm), Cy3 (552 nm), DsRed (557 nm), Alexa Fluor 546 (556 nm)
625	20	605-650	Orange-Red	130	Cy5 (649nm), Alexa Fluor 633 (632 nm)
660	21	645-670	Red	221	Cy5 (649nm), Alexa Fluor 647 (649 nm)

