



HYPER EN 120 • Led illuminator

Broadband Excitation Illuminator for Fluorescence Microscope

The Hyper EN120 is the latest illuminator, employing cutting-edge LED technology. It produces a broad spectrum from 365 to 630 nm and supports various fluorescence excitations, such as DAPI, GFP/FITC, and mCherry/Texas.

Designed specifically for fluorescence microscopy, the Hyper EN120 features an advanced LED illumination engine to meet the lighting needs of research. Utilizing the latest LED technology, it provides a wide spectral range suitable for various fluorescence excitation applications. Furthermore, the long lifespan of the LEDs eliminates the need for bulb replacements, making it the most cost-effective choice for fluorescence microscopy research.



Features and advantages

- ✓ LED light source design - energy saving, long life, microsecond on/off, stable light output, no need to replace bulbs.
- ✓ Wide range spectrum-broadband spectrum (365~630nm) suitable for all scientific research experiments excited by fluorescence
- ✓ Easy to use - easy to operate and clear status information.
- ✓ Low photobleaching rate - LED cold light source effectively increases the survival rate of fluorescent cell samples.
- ✓ Compact design - a small light engine, ideal for research labs with limited space.
- ✓ Customized cooling system for LED light engines - keeps the light engine/illuminator at its optimal operating temperature and performance.



Hyper EN120 Broadband Excitation Illuminator for Fluorescence Microscope

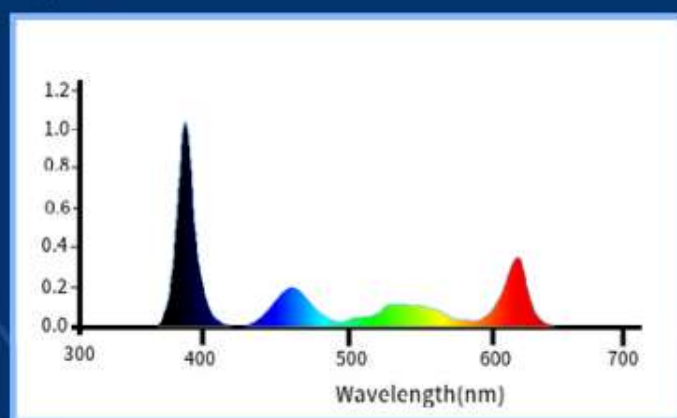
Specifications

- Wavelength range: 365~630 nm
- LED peak/half-width (nm): 385/20, 475/40, 560/80, 620/20nm
- External power supply: Universal input 100-240VAC, 50/60 Hz
- Power consumption: 85W
- LED on/off response time: 1 ms
- LED expected lifespan: ≥ 25000 hours
- Controller: LED intensity adjustment (full channel)
- Dimensions (mm):
 - Illuminator: 115*112.8*165
 - Power supply: 67*167*35
 - Controller: $\phi 69$ *48.5
- Weight approx.: 2.0Kg (including power supply)
- Warranty: 24 months for illuminator (excluding accessories)

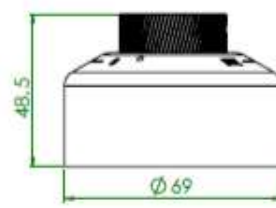
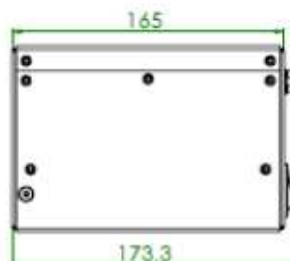
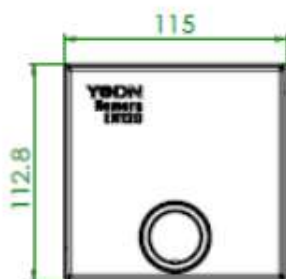
*385nm can be changed to 365nm or 405nm upon order request.



Spectrum



Dimensions



Illuminator

controller



Wechet



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