

Hyper iE340

BROADBAND EXCITATION ILLUMINATOR FOR FLUORESCENCE MICROSCOPE

- You refine your research to perfection; we contribute top-tier light sources to realize your dreams! Taiwan's U-Light, a specialized light source manufacturer, proudly presents the Hyper iE340 LED light source box specifically designed for fluorescence microscopes. Utilizing wide-area light source technology and our proprietary LED light source engine, it provides a wide range of spectra for exciting various major microscope fluorescence applications. Whether you are a cell biologist, bioengineer, academic researcher, or microscope operator, the Hyper iE340's user interface is intuitive and easy to understand, enabling efficient work and low power consumption. The wide-area light source technology generates an effective spectrum from 350 nm to 700 nm, supporting common fluorescence excitation bands such as DAPI, GFP/FITC, mCherry/Texas Red, Cy5, and others. The newly launched Hyper iE340 integrates a variety of electronic control modes, including both stand-alone manual and digital electronic program control; this not only makes it easy for operators to get started, but also provides different operating options according to the usage scenario; moreover, the Hyper iE340 light box utilizes the long-life characteristics of LED light sources, so users no longer need to spend time and effort changing bulbs.

Advantages

- **LED light source design**
- **Wide-range spectrum**
- **Easy-to-use interface**
- **Low photobleaching rate**
- **Rear-emitting liquid light guide light output design**
- **Customized heat dissipation system design**
- **Supports multiple digital electronic controls**
- **Supports remote control**



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with the best quality and service.

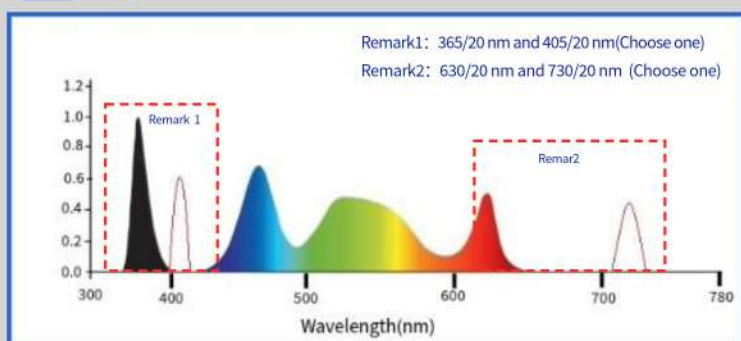


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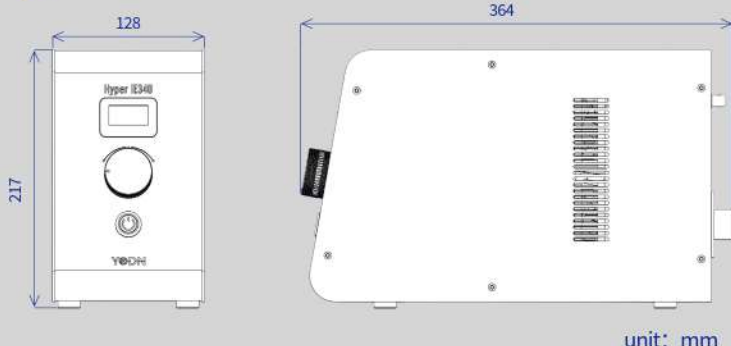
Fluorescence Microscope ILLUMINATOR



Spectrum



Dimensions



Specifications

- Light Source: LED
- Wavelength Range: 350~650nm
- LED Peak Wavelength/Intensity: 365/20nm, 460/40nm, 560/80nm, 630/20nm
- (Optional: 405/20nm, 730/20nm); Optional liquid light guide tube (1.5m/φ3mm) and collimating lens
- External Power Supply: Universal voltage 100-240VAC, 50/60 Hz
- Power Consumption: 135W
- LED Lifespan: Average 25,000 hours
- Weight: 4 kg (including transformer)
- LED Response Time: 20ms
- Panel Control Functions:
 1. ON/OFF
 2. Digital Light Intensity: 0~100%
 3. Color Separation Output - External Control: TTL Trigger & PC control
- (RS232 command/USB B-type connector)
- Dimensions (mm): Light Source Box 28*217*364
- Transformer 67*167*35
- Panel display information: Accumulated LED usage hours and status indicator lights
- Light source box dimensions: W128*H218*D364 mm
- Warranty: 2-year warranty for the light source box (excluding accessories)



Accessories and setup diagram



+



Illuminator

&



Liquid light guide



Leica Nikon Evident (Olympus) Zeiss Motic

Collimator

(Applicable to five major microscope brands)



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