



Introducing the new generation of lighting box , Hyper E740. It increases the intensity of LED light source (22% ~ 143% or more) from our pervious model.

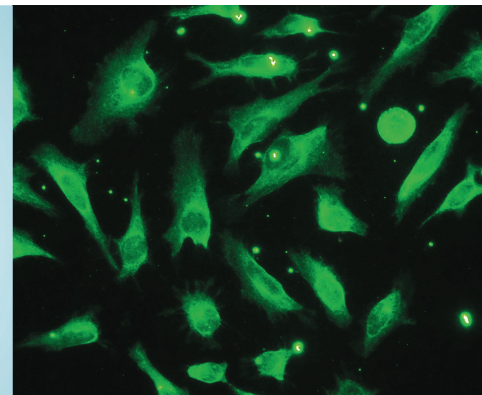


YODN Hyper E740 illuminator is a brand new light source specially made for fluorescence microscopes. Our illuminator equips the latest LED light engine, produces spectrums that can fulfill most of the research lighting demands with its broadband spectrums design methodology. It helps you conduct your works easily in an energy efficient way. It produces spectrums from 350nm to 650 nm by our latest LED technology, a true broadband illuminator that can support different fluorescence excitation, such as DAPI, GFP/FITC, mCherry/Texas Red, Cy5 (or Cy7), and more. Both manual and automatic digital programming control are integrated in Hyper E740, offer the users easy, flexible operation options. Best of all, the LED long life characteristic frees the users from bulb replacement and maintenance.

YODN Hyper E740 is the best choice for fluorescence microscope researches.

Hyper E740

Broadband Excitation Illuminator for Fluorescence Microscope



Features

Benefits

LED light source	Eco-friendly design, long life, instant on/off, stable light output.
Broadband spectrum	Broadband spectrum (350 nm - 650 nm), sufficient to use in all research occasions related to fluorescence, such as DAPI, GFP/FITC, mCherry/Texas Red, and Cy5 excitation. (or Cy7 Optional)
Simple operation	Use smart control pod or remote control (TTL) to switch your LED intensity/channel easily.
Low photo-bleaching rate	LED cold light used; increase the fluorescence cell sample survival rate.
Custom thermal system for LED light engine	Control the light engine/illuminator at the best operation temperature and performance.
Support multiple digital control	Easy switch between manual control or auto program operation (USB/TTL). Users can see each LED intensity, temperature, usage hours on the display (30 x 15 mm).
Support remote off-site control	Use the USB interface or TTL to connect the illuminator with a personal computer, and observe the research progress in a remote location. TTL: on/off (BNC) PC control : on/off, 1% intensity adjustment (USB B-type)

Hyper E740

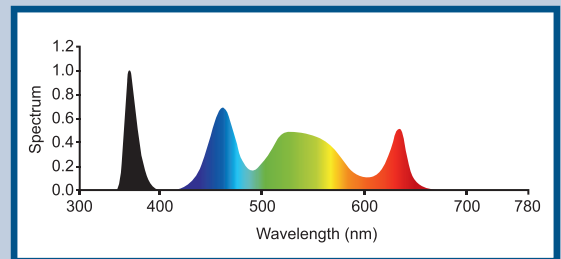
Broadband Excitation Illuminator for Fluorescence Microscope



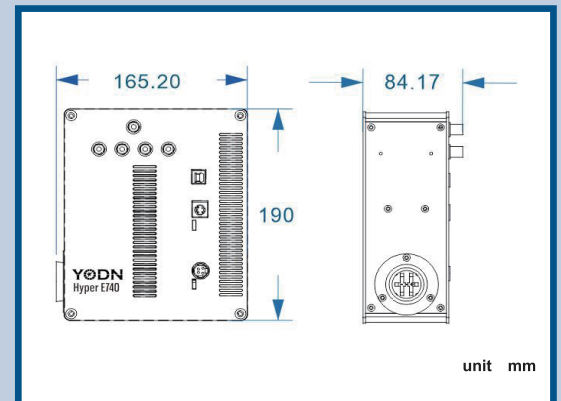
Specification

Wavelength range	350 ~ 650 nm
External power supply	Universal input 100-240 VAC, 50/60 Hz
LED peaks/ FWHM	365/20 nm , 460/40 nm , 560/80 nm , 630/20 nm Optional , 405/20 nm , 730/20 nm
Power consumption	75W
LED on/off response time	1 ms
LED expected life	25000 hours
Control Pad	1.ON/OFF 2.LED intensity control 10% - 100%(All channel) 3.Color separation output control
External control	TTL Trigger & PC control (RS232 command/USB B-type connector)
Size (W×D×H)	Illuminator:85*166*190 mm Control Pad:133*81*35mm Power supply:67*167*35mm
Weight	Approx. 3.7kg (including power supply, control pad)
Warranty	Illuminator: 24 months
Main usage mode	Direct coupling
Option	1.5M long, φ3 mm liquid light guide/adaptor, collimators
Certifications	CE (TBA)

Spectrum



Dimensions



Accessories & Setup Illustration

+

Hyper E740

Standard configuration

Adaptor (choose one)

Leica Nikon Olympus Zeiss Motic

Option

+

Liquid light guide/adaptor Leica Nikon Olympus Zeiss Motic
Collimator

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