



HONYU OPTO

High Performance LED Light Engine



For Nikon, Olympus, Leica, Zeiss Fluorescence Microscope

High-performance LED Light Engine for Microscopy

Specification

Spectrum Range 340 ~ 750nm
Channel: 3, 6, 9, 16... or custom-design
Bulb life: more than 25,000 hours

Dimensions and weight

Lamp House
Length: 160mm
Height: 112 mm
Width: 125mm
Weight: 1.85Kg

Controller

Length: 128mm
Height: 20mm
Width: 125mm
Weight: 170g

LGT.43.LM600 LED Light engine with excellent performance, adopts the latest generation of UHPLED technology, which offers intense broad-spectrum illumination for imaging most common fluorescent stains. The price is the best value on the market, delivering higher performance than other traditional HBO fluorescence illuminator systems and other LED products of the same grade

DATA SHEET

For Fluorescence microscopy

Model No. LGT.43.LM600

TECHNICAL PARAMETERS	
BULB TYPE	Light-emitting diode
BULB LIFETIME	50,000Hours(attenuation to70%, 25,000Hrs)
LIGHT SOURCE FREQUENCY	100MHz
HIGH SPEED CAMERA	Max 16,000FPS (exp>60μs)
CHANNEL SWITCH	Motor-driven
CONTROLLER	Keypad w/ LCD
INPUT	DC 24V
SWITCHING POWER ADAPTER	AC 100-240V 50Hz
DYE SUPPORTED	DAPI, CFP, Aqua, FITC, TRITC, TxRed, Cy5
	Alexa Fluor 350,405,430,488,514
	Alexa Fluor 532,546,555,568,594
	Alexa Fluor 610,633,647,660,680,700,750
R-G-B SEQUENCE CYCLE	Not available
EXTERNAL TRIGGER 外触发	Optional
PULSE STROBOFLASH	Not available
ELECTRONIC SHUTTER	Optional
SUPPORTED MICROSCOPE	Nikon, Olympus, Leica, Zeiss
OPERATING ENVIRONMENT	0~30°C, <60% RH (No condensation)

Recommended Applications

- Normal fluorescence
- Immunofluorescence
- DNA Analysis
- Live Cell Imaging
- Whole Slide Imaging
- Near-Infrared DIC
- Histology and Cytology
- Calcium/Ion Imaging
- Forensic Analysis
- Semiconductor Inspection
- Metallurgical Microscopy
- Gel Documentation

