

MF-BGU-LED Fluorescence Illuminator



MF-BGU-LED fluorescence illuminator features with built-in color LEDs as light source. Providing friendly fluorescence upgrade solution for basic fluorescence microscope users. By the modular illumination you can easily upgrade a traditional infinity upright biological microscope to fluorescence functional. It is compatible with laboratory microscopes Olympus, Nikon, Leica, Zeiss and others.

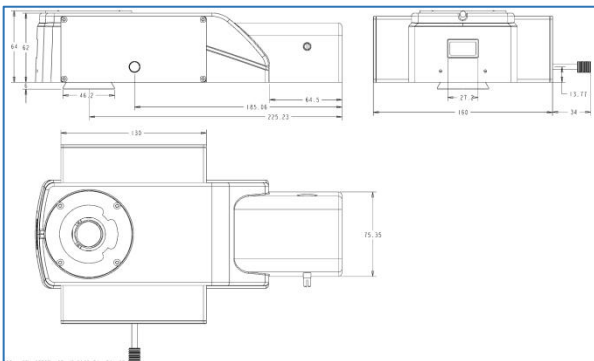
Features

- Compact design contains light source and filters in one unit.
- Instant on-off, no need waiting of pre-heating or cooling.
- Digital screen shows light intensity 0~100%
- Remember light intensity of each color light source.
- Light source synchronous switching with filter groups.
- No requirement of external or added power supply.
- CE, FCC, EMC, EU, ISO certified.

Classis applications:

Botany
Clinical diagnose
Immnuofluorescence
Tuberculosis sputum slide
Skin and foot fungus
Food microorganism
Respiratory disease
Sperm analysis
Fluorochrome stained slide

Dimension



Brightness control knob



Power control button



Filter cube exchange lever



Digital screen show light intensitv 0~100%



DC power adapter port

Light barrier protects eyes



Item No.	LED lamps	Filter Groups	Compatible microscopes
MF-BG-LED	Blue and Green	Blue/Royal blue and Green/Yellow	Olympus CX/BX Nikon Eclips/E100/E200/Ci-L Leica DM500/DM750/DM1000 Zeiss PrimoStar /A1 Sunny EX30/CX40 Motic BA310/Panthera C
MF-BU-LED	Blue and UV	Blue and UV	
MF-BGU-LED	Blue, green and UV	Blue/Royal blue, Green and UV	
MF-BYU-LED	Blue, yellow and UV	Blue/Royal blue, Yellow and UV	

Model	Filter	Filter wavelength			Recommend Application
		Excitation	Dichroic mirror	Emission	
B	Blue	475/30nm	>505nm	530/40nm	GFP / FITC /EGFP/ Malaria diagnostic/ Alexa 488 / Cy2@ / Fluo-4 / FluorX@ / Fluoro-Jade
G	Green	530/40nm	>570nm	575nmLP	PI / EB / EH /TRITC
Y	Yellow	560/40nm	>600nm	610nmLP	mCherry / Texas Red / AlexaFluor 594
U	UV	355/50nm	>410nm	420nmLP	DAPI / Hoechst 33342&33258 / AMCA/AMCA-X / Alexa 350
Light source		Blue &UV: 3W LED cold lamp for each filter group Green/Yellow: 5W LED cold lamp for each filter group			
Observation		Fluorescence Bright field & phase contrast by microscope original lighting			
Digital screen		Show light intensity 0~100% and remember each color light source brightness			
Operation		Lever : B, G, UV/O (bright field)			
Power control		Rota-table knob, continuously adjustable brightness			
Input power		12V 2A			
Shell		High rigid precision-cast aluminium with coating			
Light baffle		Orange color plastic light baffle			

Optional LED lamp and Filters

LED	Filter type	Excitation filter	Dichroic mirror	Emission filter	Remark
Blue	Long-pass	475/30nm	>500nm	510nmLP	Chroma filters are optional
Green	Band-pass	530/40nm	>565nm	605/55nm	
UV	Band-pass	375/30nm	>415nm	460/50nm	
Violet	Long-pass	400/40nm	>430nm	460nmLP	
Royal blue	Long-pass	420-480nm	>500nm	510nmLP	
Red	Band-pass	620/50nm	>655nm	692/45nm	

MF-LED Series Single Color LED Fluorescence Illuminator



MF series LED fluorescence illuminator features with built-in color LEDs as light source. Providing friendly fluorescence upgrade solution for basic fluorescence microscope users. By the modular illumination you can easily upgrade a traditional infinity upright biological microscope to fluorescence functional. It is compatible with laboratory microscopes Olympus, Nikon, Leica, Zeiss and others.

Features

- Compact design contains light source and filters in one unit.
- Instant on-off, no need waiting of pre-heating or cooling.
- Light source synchronous switching with filter groups.
- No requirement of external or added power supply.
- CE, FCC, EMC, EU, ISO certified.
- Single color model is cost-effective for customer budget.

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Botany
Clinical diagnose
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Tuberculosis sputum slide
Skin and foot fungus
Food microorganism
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Sperm analysis
Fluorochrome stained slide

Light barrier protects eyes

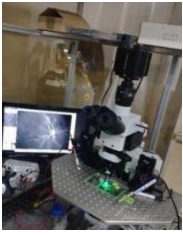


Item No.	LED lamps	Filter Groups	Compatible microscopes
MF-B-LED	Blue	Blue	Olympus CX/BX Nikon Eclips/E100/E200/Ci-L Leica DM500/DM750/DM1000 Zeiss PrimoStar /A1 Sunny EX30 Motic BA310/Panthera C
MF-RB-LED	Royal blue	Royal blue	
MF-G-LED	Green	Green/Yellow	
MF-UV-LED	UV	UV	

Specification

Model	Filter	Filter wavelength			Recommend Application
		Excitation	Dichroic mirror	Emission	
B	Blue	475/30nm	>505nm	510nmLP	GFP / FITC / EGFP/ Malaria diagnostic/ Alexa 488 / Cy2@ / Fluo-4 / FluorX@ / Fluoro-Jade
RB	Royal blue	420-480nm	>500nm	510nmLP	Tuberculosis Diagnostic
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Cases



Olympus BX51



Olympus BX43



Olympus CX41



Olympus CX33



Olympus CX23



Nikon CiL



Nikon E200



Nikon Ci Pol



Leica DM2000



Leica DM750



Leica DM500



Zeiss A1



PrimoStar



Motic Panthera C



Sunny EX30

Sample images

