

MF Series 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 of all in one unit
- Continuously adjustable brightness with rotatable knob
- No need preheating or cooling, open to use
- Accurate controlling of different color lighting
- One-stop operation of light source synchronous switching with filter groups
- No required of external or added power supply
- Safety, environment friendly and human friendly
- Coated precision-cast aluminium with vented design
- CE, FCC, EMC, EU, ISO certified

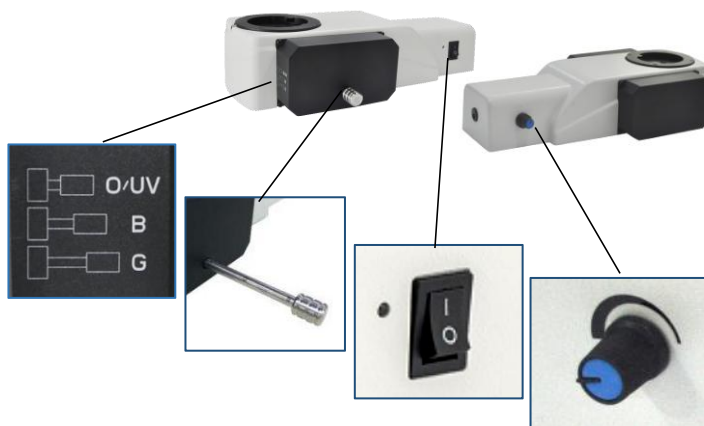
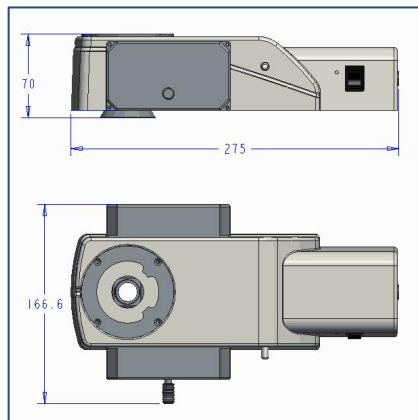
Applications:

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

Compatible with different brands microscope



Dimension



With light barrier

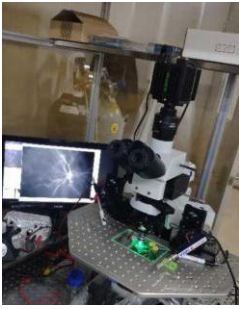


| Item No. | LED lamps | Filter Groups | Compatible microscopes |
|------------|--------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| MF-B-LED | Blue | Blue | Olympus CX/BX 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 | |
| MF-UV-LED | UV | UV | |
| MF-BG-LED | Blue and Green | Blue and Green | |
| MF-BU-LED | Blue and UV | Blue and UV | |
| MF-BGU-LED | Blue, green and UV | Blue, green and UV | |

Specification

| Model | LED lamp | Filter wavelength | | | Recommend Application |
|-------------------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------|------------------------------------------------------------------------------------------|
| | | Excitation | Dichroic mirror | Emission | |
| B | Blue | 475/40nm | >500nm | 535/45nm | GFP / FITC / EGFP/ Malaria diagnostic/ Alexa 488 / Cy2@ / Fluo-4 / FluorX@ / Fluoro-Jade |
| RB | Royal blue | 420-480nm | >500nm | 510nmLP | Tuberculosis Diagnostic |
| G | Green | 525/45nm | >560nm | 595/60nm | PI / EB / EH |
| | Yellow | 560/40nm | >600nm | 610nmLP | mCherry / Texas Red / AlexaFluor 594 |
| U | UV | 330-380nm | >400nm | 420nmLP | DAPI / Hoechst 33342&33258 / AMCA/AMCA-X / Alexa 350 |
| Light source | | Blue &UV: 3W LED cold lamp for each filter group Green: 6W LED cold lamp for each filter group Yellow: 5W LED cold lamp for each filter group | | | |
| Observation | | Fluorescence Bright field & phase contrast by microscope original lighting | | | |
| 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 | | | |
| Remark* | | Single excitation mode are long pass filter | | | |
| Optional LED lamp and Filters | | | | | |
| LED | Filter type | Excitation filter | Dichroic mirror | Emission filter | Remark |
| Blue | Long-pass | 460-490nm | >500nm | 510nmLP | Chroma filters are optional |
| Green | Long-pass | 510-550nm | >570nm | 590nmLP | |
| Yellow | Band-pass | 560/40nm | 600nmLP | 635/60nm | |
| UV | Band-pass | 350/50nm | >400nm | 460/50nm | |
| Violet | Long-pass | 400/40nm | 430nmLP | 460nmLP | |

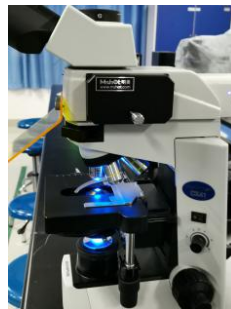
Cases



Olympus BX51



Olympus CX43



Olympus CX41



Olympus CX33



Olympus CX23



Nikon CiL



Nikon E200



Leica DM2000



Leica DM750



Leica DM500



Zeiss A1



PrimoStar

Sample images

