

Epi-LED S

FOR BA310E

Motic's Epi-LED S is an LED Fluorescence intermediate module specially designed for the BA210E.

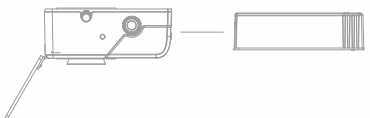
It consists of a 3W LED light source, combined with a suitable filter combination. The module is placed as an add-on between microscope stand and eyepiece tube. A fast change from Bright field to Fluorescence and vice versa is possible by moving the LED module back and forth. A change in excitation is possible by simply exchanging the compact illumination module.

The integrated IR-sensor detects the user and turns off the Fluorescence automatically when the microscope is left, again taking young users into consideration.



www.moticmicroscopes.com

LED FLUORESCENCE MODULE

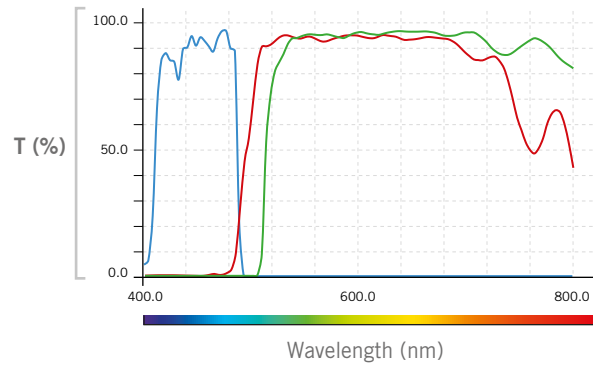


Epi-LED S AVAILABLE FILTERS

Epi-LED S Fluorescence attachment - AO

455nm LED

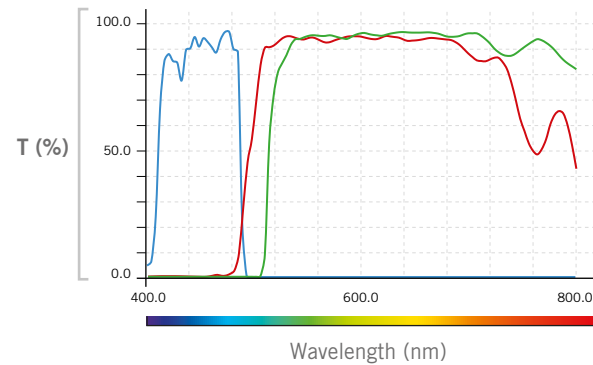
Exciter 480SP Dichroic 505LP Barrier 520LP



Epi-LED S Fluorescence attachment - MB

470nm LED

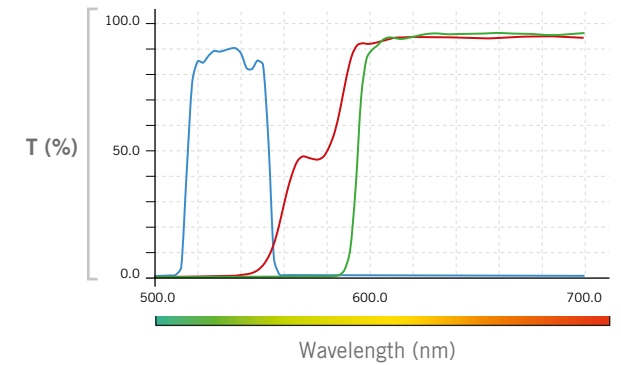
Exciter 480SP Dichroic 505LP Barrier 520LP



Epi-LED S Fluorescence attachment - G

530nm LED

Exciter BP532/33 Dichroic 575LP Barrier 590LP



LED LIGHT IN MICROSCOPY

LED light sources for Fluorescence are starting to replace mercury bulb technology. This is a good message for all teachers and students in the biomedical field, as up to now due to safety reasons (heat development, risk of leakage of mercury, mercury disposal) the traditional mercury technology was kept away from young students.

The advantages of LEDs are numerous. No warm-up period has to be taken into consideration, so the teacher can quickly implement the fluorescence method into the daily curriculum. No special alignment of the illumination is needed. Just switch on the system and start working. A convenient intensity adjustment protects delicate and rare samples from bleaching. The initial costs for LED fluorescence are by far lower than for a mercury based system, and LED lifetime of minimum 20.000 hours reduces running costs significantly.

