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# ▼ EpiLED

## FLUORESCENCE ATTACHMENT

Introducing EpiLED, the new reflected fluorescence microscope attachment from magnus that uses a unique proprietary optical illumination system allowing significant increase in performance and cost reduction making it an ideal advice for routine fluorescence applications.

- Front selection of two filter cubes
- Iris diaphragm for high contrast and sharpness
- Variable light control prevents photobleaching
- Long lamp life → 30k hrs
- Easily switching LED



Dual EpiLED Mounted  
On Theia-i



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# SPECIFICATIONS

## Magnus Fluorescence Attachment Model EpiLED

✓ <b>Lifetime</b> > 30,000 hrs	✓ <b>Modules Available for the following microscopes</b> Magnus Theia-i, Magnus MX21i, Olympus CX23, CX33
✓ <b>LED Power</b> 3W	✓ <b>Emission Filters</b> 1 or 2 position front sliding filter carrier depending on the excitation spectra
✓ <b>Excitation</b> Royal Blue : 450nm Blue : 480nm Green : 535nm	✓ <b>AC Adaptor</b> Input Voltage : 100~240V AC Output Voltage : 9V, 2A DC DC Power Max : 18W
● <b>APPLICATIONS</b> ( Immuno Fluorescence)	
✓ Detection of mycobacterium <b>tuberculosis TB</b> (Royal Blue)	✓ Alexa 488, <b>FITC</b> (Blue Excitation) Rhodamine, <b>TRITC</b> (Green Excitation)
✓ Detection of <b>MALARIA</b> after staining with acridine orange	✓ <b>Autoimmune</b> diseases

# KEY FEATURES

✓ <b>No lamp replacement required</b> (LED lasts over 30,000 hours, as compared to 250 hours for mercury lamps)
✓ <b>Same light intensity throughout its lifetime</b> (no light variation observed by user)
✓ <b>Minimal photo-bleaching</b> due to variable light control which allow adjustment of illumination intensity
✓ <b>No warm up time</b> required for the light resource
✓ <b>Lower power consumption</b>
✓ <b>Longer observation time</b> thanks to lower heat emission of LED light source
✓ <b>Two applications in one</b> - users can easily switch between brightfield and fluorescence applications without removing fluorescence module
✓ <b>No revalidation required</b>
✓ <b>No need to log operation times</b>
✓ <b>Environment friendly (no mercury)</b>
✓ <b>Choice of two filters royal blue, blue or green</b>