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# Magnus

EpiLED  
Mounted On  
MX21i Microscope



## 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.

#### Key Features

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



[www.magnusopto.com](http://www.magnusopto.com)

# SPECIFICATIONS

## Magnus Fluorescence Attachment Model EpiLED

<ul style="list-style-type: none"> <li>✓ <b>Lifetime</b> &gt; 30,000 hrs</li> <li>✓ <b>LED Power</b> 3W</li> </ul>	<ul style="list-style-type: none"> <li>✓ <b>Modules Available for the following microscopes</b> Magnus MX21i ,Olympus CX23 ,Olympus CX33, Magnus MLXi Plus.</li> </ul>
<ul style="list-style-type: none"> <li>✓ <b>AC Adaptor</b> Input Voltage : 100-240V AC Output Voltage : 9V, 2A DC DC Power Max : 18W</li> </ul>	<ul style="list-style-type: none"> <li>✓ <b>Emission Filters</b> 1 or 2 position front sliding filter carrier depending on the excitation spectra</li> </ul>
<ul style="list-style-type: none"> <li>✓ <b>Excitation</b> Blue : 450 nm -- 490 nm Green : 505 nm -- 555 nm Royal Blue : 430 nm -- 470 nm</li> </ul>	<ul style="list-style-type: none"> <li>✓ <b>Emission</b> Blue : 510 nm Green : 575 nm Royal Blue : 500 nm</li> </ul>
<ul style="list-style-type: none"> <li>● <b>APPLICATIONS</b> ( Immuno Fluorescence)</li> </ul>	
<ul style="list-style-type: none"> <li>✓ Detection of mycobacterium <b>tuberculosis TB</b> (Royal Blue)</li> </ul>	<ul style="list-style-type: none"> <li>✓ Alexa 488, <b>FITC</b> (Blue Excitation) Rhodamine, <b>TRITC</b> (Green Excitation)</li> </ul>
<ul style="list-style-type: none"> <li>✓ Detection of <b>MALARIA</b> after staining with acridine orange</li> </ul>	<ul style="list-style-type: none"> <li>✓ <b>Autoimmune</b> diseases</li> </ul>

# KEY FEATURES

<ul style="list-style-type: none"> <li>✓ <b>No lamp replacement required</b> (LED lasts over 30,000 hours, as compared to 250 hours for mercury lamps)</li> </ul>
<ul style="list-style-type: none"> <li>✓ <b>Same light intensity throughout its lifetime</b> (no light variation observed by user)</li> </ul>
<ul style="list-style-type: none"> <li>✓ <b>Minimal photo-bleaching</b> due to variable light control which allow adjustment of illumination intensity</li> </ul>
<ul style="list-style-type: none"> <li>✓ <b>No warm up time</b> required for the light resource</li> </ul>
<ul style="list-style-type: none"> <li>✓ Special no-cover glass objectives of 10x, 20x, 40x &amp; 100x oil immersion for examination of sputum etc</li> </ul>
<ul style="list-style-type: none"> <li>✓ <b>Longer observation time</b> thanks to lower heat emission of LED light source</li> </ul>
<ul style="list-style-type: none"> <li>✓ <b>Two applications in one</b> - users can easily switch between brightfield and fluorescence applications without removing fluorescence module</li> </ul>
<ul style="list-style-type: none"> <li>✓ Special eyecups provided eliminating the need for a darkroom for fluorescence microscopy</li> </ul>
<ul style="list-style-type: none"> <li>✓ <b>No need to log operation times</b></li> </ul>
<ul style="list-style-type: none"> <li>✓ <b>Environment friendly (no mercury)</b></li> </ul>
<ul style="list-style-type: none"> <li>✓ <b>Choice of two filters royal blue, blue or green</b></li> </ul>

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# Magnus

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All standard sets are supplied as per specifications which are subject to change without any obligation on the part of the manufacturer.  
 Optics are anti-fungus treated & with multi-layer coatings. Accessories shown may not be part of standard equipment.