

## MI-BGU-LED-TS100 Series LED Fluorescence Illumination



MI-BGU-LED-TS100 is a fluorescence illuminator in LED light source, it is used to upgrade inverted biological microscope to fluorescence microscope. Special with built-in color LED lamps and module design, well fit to Nikon TS100 inverted microscope for live cell. On purpose of user friendly, the products is lightweight and small volume. Combine light source, filter sets in one unit.

### Features

Compact design all in one unit  
3W cold LED lamp for each filter group  
Continuously adjustable brightness with rotatable knob  
No need preheating or cooling, open to use  
Accurate lever control different color lighting  
One-stop operation of light source and filter, no need change light source  
No need external or added power supply, PSE labeled power adapter  
Safety, environment friendly and human friendly  
Coated precision-cast aluminium with vented design  
CE, FCC, EMC, EU, ISO certified

### Applications:

Embryology  
IVF  
Genetics Andrology  
Cell biology  
Neuroscience  
Sperm analysis



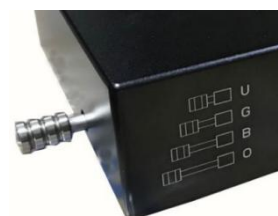
Brightness control  
Continuous  
Rotatable



AC connector  
Low power  
Energy saving  
Electrical safety



Vented design  
Heat dissipation  
Durable



Laser printing mark  
Accuracy lever  
One stop operation  
Various observation



Qualified filters  
Well manufactured cube  
Precision cast

Series	Items	LED lamps	Filter Groups	Compatible microscopes
Two colors	MI-BG-LED	Blue and Green	Blue and Green	Nikon TS100
Three colors	MI-BGU-LED	Blue, Green and UV	Blue, Green and UV	

Standard configuration				
Color	LED lamp	Filter wavelength		
	Color	Excitation filter	Dichroic mirror	Emission filter
Blue	Blue	480/40nm	505nmLP	510nmLP
Green	Green	530/40nm	570nmLP	590nmLP
UV	UV	360/50nm	400nmLP	420nmLP
<b>Light source</b>	3W LED cold lamp for each filter group			
<b>Observation methods</b>	Bright field for transmitted lighting, fluorescence			
<b>Operation</b>	Lever : B, G, UV/O (bright field)			
<b>Power control</b>	Rotatable knob, continuously adjustable brightness			
<b>Input power</b>	DC 4.2V 2A			
<b>Shell</b>	High rigid precision-cast aluminium with coating and vents			