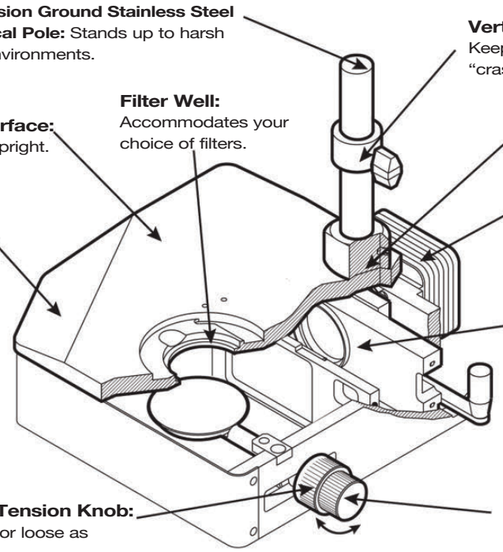
TLB 4000 Series Features



Precision Ground Stainless Steel Vertical Pole: Stands up to harsh lab environments.

Vertical Safety Stop: Keeps your microscope out of the "crash zone".

Filter Well: Accommodates your choice of filters.

Large Stable Work Surface: Keeps your microscope upright.

Mounting Pedestal: Increases vertical pole stability and ensures ease of assembly.

Low Profile Base with Built-in Wrist Rests: Keeps you comfortable.

"Cool" Illuminators, choose from: Built-in high efficiency 20 watt, fan cooled high efficiency 100 watt, or versatile 150 watt fiber optic.

Adjustable Condensing System: Match field of illumination and intensity to microscope field of view.

Adjustable Tension Knob: Set it as tight or loose as you prefer.

Tilting and Sliding Mirror: Provides brightfield, darkfield and pseudo-DIC illumination*.

**Oblique illumination available on TLB3000 & TLB4000 models only*

The complete TLB Series

1000 TLB Series

Sturdy Stereo Microscope Stand

The TLB1000 is a more stable version of the standard stand that is offered with most stereo microscopes.

3000 TLB Series

Fiber Optic Transilluminating Stereo Microscope Stand

The TLB3000's large work area and sliding, tiltable mirror make it an economical and versatile choice for general brightfield use, as well as many darkfield applications.

Illuminator Options

Great selection of optional Illuminators available

Using the best manufacture's of stand-alone illuminators, wWe offer the halogen based Volpi® NCL-150 and Intralux. For LED lighting we have the G-Lighting®

SPOT IMAGING™
Take a closer look

6540 Burroughs Avenue • Sterling Heights • MI • 48314-2133 • USA • **Toll Free USA:** 1.866.604.SPOT
Phone: +1 586.731.6000 • **Fax:** +1 586.731.6469 • **Web:** www.spotimaging.com

SPOT IMAGING™
Take a closer look

Stereo Microscope Stands

TLB 4000 Series

SPOT IMAGING™
Take a closer look

4000
TLB Series

TLB4000 20 Watt Transilluminating Stereo Microscope Stand

20 Watt Transilluminating Stereo Microscope Stand

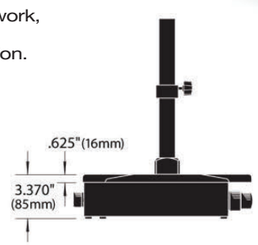
Features of the TLB4000

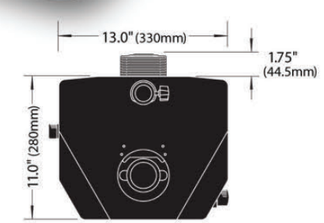
- **Large, stable work surface**
- **Large range of mirror adjustment**
- **Built-in 20 watt halogen illuminator and power supply saves space**
- **New condensing system with reflector increases brightness by 400%**
- **Built-in heat filter provides cool light**

The TLB4000's large work area combined with its built-in 20 watt illuminator make it an economical and versatile choice for the crowded lab environment.

The 6 volt, 20 watt power supply is continuously variable from 3 to 6 volts. It powers a high efficiency Osram Xenophot halogen lamp with a light output of 480 lumens (39 candle power). This lamp is easily accessible in its removable lamp housing. The new high efficiency optical design with reflector has increased light intensities nearly 400%. These condensing lenses can be quickly adjusted with the control lever to match the field of view and intensity to the magnification.

The mirror is mounted in a mechanism that provides tilt, as well as front to back movement. This feature allows the user to vary the illumination from brightfield to darkfield making this base ideal for nematode research. For high magnification work, the drop-in ground glass filter increases the NA of the system. For low magnification work, the drop-in opal glass filter ensures an even field of illumination.





Standard Equipment

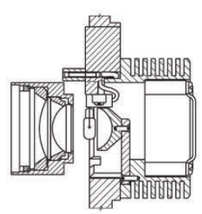
1 Mirrored base with built-in 20 watt power supply
1 Ground glass drop-in filter (63.5mm x 1.6mm)
1 Vertical mounting pole
1 Opal glass drop-in filter (63.5mm x 3.175mm)
1 Vertical stop
2 Stage clips
1 Black & white contrast stage plate (100mm DIA)
1 20 watt halogen illuminator housing
1 Clear glass stage plate (100mm x 5.7mm)
1 Adjustable condensing lens system
2 6 volt 20 watt replacement lamps

Weight Specifications

Base weight: 24 lbs. (10.9 kg)
Shipping weight: 26 lbs. (11.8 kg)

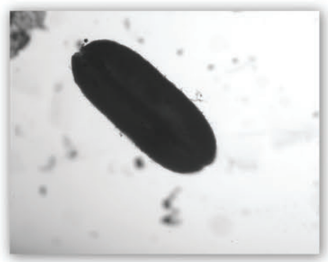
Available Options

Custom length vertical mounting poles
TLB96TP Top plate option for microplate support (while supplies last)
GN-TLB-F Gooseneck mount for Fostec fiber optic
GN-TLB-V Gooseneck mount for Volpi fiber optic
PBD Polarizer for TLB filter well
NVOF1 Adapter for Fostec fiber lens (Order the Fostec power supply direct from Fostec)



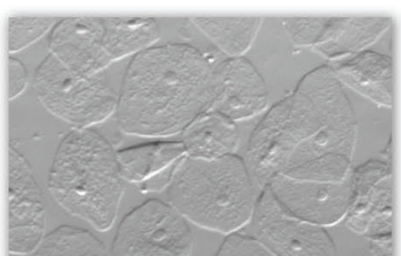
High Efficiency Condensing System

Ordering TLB 4000 Series Systems	Part Number
Leica	
Leica MZ, MS, GSZ series, accepts 450 171 or 450 299 columns (column **NOT** included)	**TLB4026**
Leica S6D, S8APO (column **NOT** included)	**TLB4026**
Meji	
Meji EMZ-1 (20mm Ø x 406mm mounting column)	**TLB4016**
Nikon	
Nikon SMZ-U, SMZ-10A, SMZ645, SMZ660, SMZ800 (32mm Ø x 406mm mounting column)	**TLB4019**
Nikon SMZ1500, SMZ1000, SMZ-10 (32mm Ø x 406mm mounting column)	**TLB4019**
Olympus	
Olympus SZX, SZH, SZ with SZ-STS focus mount (32mm Ø x 254mm mounting column)	**TLB4018**
Wild	
Wild (25mm Ø x 406mm mounting column)	**TLB4007**
Zeiss	
Zeiss Stemi series, SV6, SV8, SV11, SR, DR, DRC (32mm Ø x 406mm mounting column)	**TLB4006**



Brightfield

Darkfield



Oblique Illumination