

# Zoom Microscope Option

## Rear Converter Lens | ZRCL



W2037

### Application Systems

### Optics & Optical Coatings

### Opto-Mechanics

### Bases

### Manual Stages

### Actuators & Adjusters

### MotORIZED Stages

### Light Sources & Laser Safety

### Index

### Microscope Unit

### Alignment

### Interferometers

### Inspection/ Observation

### Bio-photonics

### Laser Processing

By mounting this rear converter lens between the camera and lens barrel, magnification can be increased without changing the working distance or the objective.



### Specifications

| Part Number                            | ZRCL-1.5 | ZRCL-2.0 |
|----------------------------------------|----------|----------|
| Magnification                          | 1.5x     | 2.0x     |
| Camera mount (Lens side / Camera side) | C mount  |          |

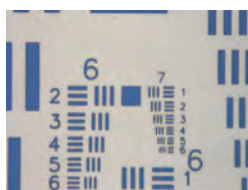
### Guide

- ▶ A variety of microscope for C-mount compatible and camera are provided.  
**Reference** (Microscope, Zoom Microscope, OUCI-2, Camera)

### Attention

- ▶ It is only for C mount, so it can not be used to the CS mount products such as microscopes, observation systems or cameras.
- ▶ Optical performance and resolution will not be improved even if mounting the rear converter lens. It will be depending on the performance of the microscope.

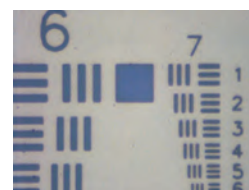
### Reference image Zoom Microscope LWZ-15 (Optical Magnification 15x)



Without Rear converter  
Observation Field of View About 0.55x0.45mm



ZRCL-1.5  
Observation Field of View About 0.37x0.3mm



ZRCL-2  
Observation Field of View About 0.28x0.22mm

## Ring Light Guide | ZRL-ZOL15



W2038



Best used for viewing objects with sloping features, providing a shadow free image.

### Guide

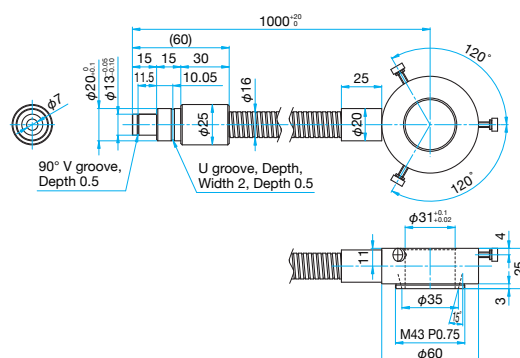
- ▶ A variety of light source is available.  
**Reference** (LED light source, Tungsten Halogen light source and Metal Halide light source)

### Attention

- ▶ This product is only for Zoom microscope (LWZ-15/LWZ-15M). If it is used with other products, there is a possibility that optimal illumination can not be done.

### Outline Drawing

(in mm)



## Focusing Unit / Pole Stand | ZAS-FAC-PST / PS-S/L



W2039

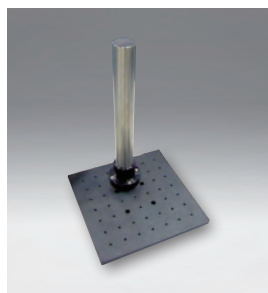
Except ZAS-FAC-PST

These products proved a base and fine focusing capability for the Zoom microscope units and the OUCI microscope bodies.



### Specifications

| Part Number | ZAS-FAC-PST |
|-------------|-------------|
| Travel [mm] | 30          |



### Specifications

| Part Number | PS-S | PS-L |
|-------------|------|------|
|-------------|------|------|

### Guide

- ▶ Standard 60mm sized manual stages can be mounted to the base plate using the M4 hole pattern.

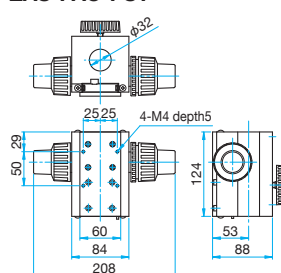
### Attention

- ▶ Screws are not supplied with focusing unit for fixing to observation unit with coaxial illumination and zoom microscope.
- ▶ When using a focusing unit and pole stand, please check that required working distance is ensured. ULWZ series is not available for long working distance.

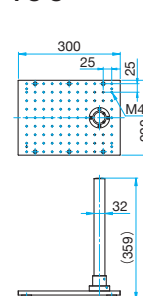
### Outline Drawing

(in mm)

### ZAS-FAC-PST



### PS-S



### PS-L

