

Designed specifically for fundamental and harmonic wavelengths of YAG and Fiber lasers

● Two types are available.

TL-Y3 : Compatible with wavelengths from fundamental to 3rd harmonic.

TL-Y4 : Compatible with wavelengths from fundamental to 4th harmonic.



Common Specifications

Focal length	200 mm
Entrance pupil	Ø11.0 mm
Image field size	Ø24.0 mm

Guide

- ▶ Compatible with infinity-corrected objectives
- ▶ Specified magnifications cannot be obtained when using with Olympus objectives
- ▶ External M32 x 0.5 threading

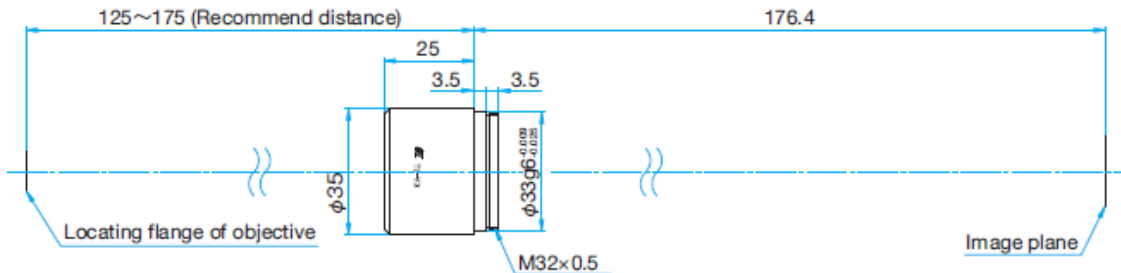
Attention

- ▶ Please use with infinity-corrected objectives. They are not compatible with finite conjugate objectives.
- ▶ These tube lenses must be used by inputting collimated light from the end without threading. Inputting collimated beam from the threaded end results in large focusing spot size and blurred image due to large chromatic and spherical aberration.
- ▶ Operating at unspecified wavelengths might result in large aberration and low transmittance.

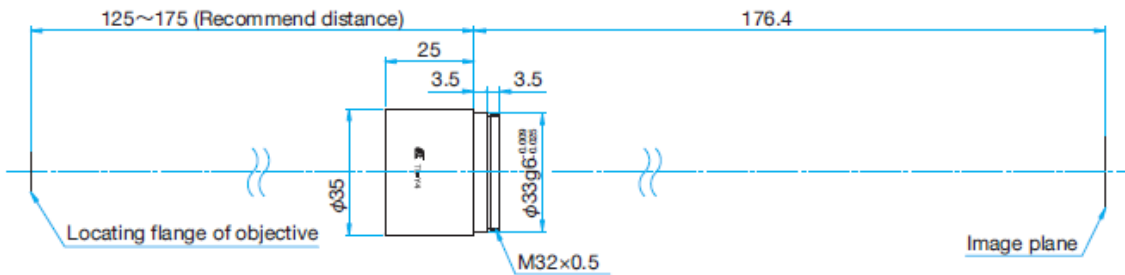
Outline Drawing

(in mm)

TL-Y3



TL-Y4



Part Number	JP Yen [¥]		Weight [kg]
TL-Y3	100,000	343, 355, 515, 532, 1030, 1064	0.06
TL-Y4	220,000	257, 266, 343, 355, 515, 532, 1030, 1064	0.06

<http://www.global-optosigma.com/>



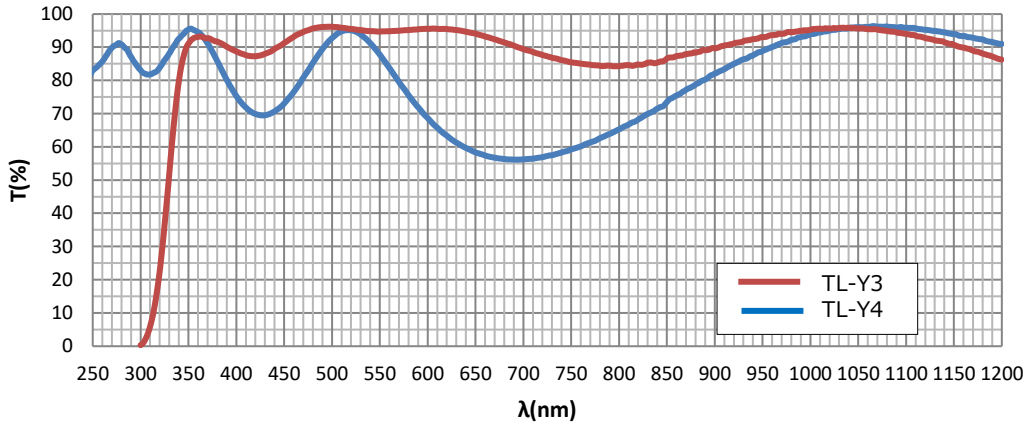
Tokyo Head Office
 5F, SIGMA KOKI Tokyo Head office 1-19-9,
 Midori, Sumida-ku, Tokyo, 130-0021, JAPAN
 TEL. +81-3-5638-8228
 FAX. +81-3-5638-6550
 E-mail international@sigma-koki.com

Osaka Branch
 4-9-28 Nishi-Nakajima,
 Yodogawa-ku, Osaka 532-0011
 TEL. +81-6-6307-4835
 FAX. +81-6-6307-4834
 E-mail sales.osaka@sigma-koki.com

Kyushu Sales Office
 3-17 Hie-machi, Hakata-ku, Fukuoka 812-0014
 TEL. +81-92-481-4300
 FAX. +81-92-481-4310
 E-mail sales.kyushu@sigma-koki.com

Typical Transmittance (For reference only)

T: Transmission



Focal lengths at specified wavelengths (Simulated data for reference only)

TL-Y3

Wavelength (nm)	Focal length (mm)	Flange back focal distance (mm)
1064	199.7	176.0
1030	199.7	176.0
532	200.0	176.3
515	200.0	176.3
355	200.3	176.4
343	200.3	176.5

TL-Y4

Wavelength (nm)	Focal length (mm)	Flange back focal distance (mm)
1064	199.5	176.0
1030	199.6	176.1
532	200.6	177.0
515	200.6	177.0
355	200.3	176.6
343	200.2	176.5
266	200.0	176.2
257	200.1	176.2

<http://www.global-optosigma.com/>