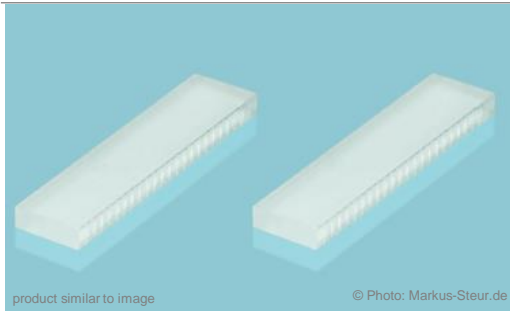


# Telescope Array - TEL 150/500

Product number: ZLA000390



## General Description:

## | Advanced Optical Solutions |

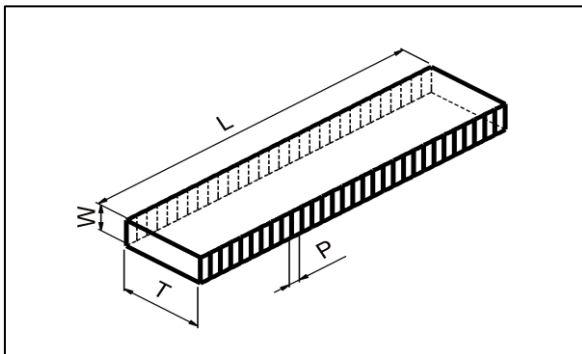
Telescope-Array for the collimation of the slow axis of diode laser bars with emitter size of up to 150  $\mu\text{m}$  and emitter pitch 500  $\mu\text{m}$ .

## Specification Data

	Unit	Value
Material		S-TIH53 (Ohara)
Length (L)	mm	$12.0 \pm 0.05$
Width (W)	mm	$1.5 \pm 0.05$
Thickness (T)	mm	$4.5 \pm 0.01$
Clear aperture	$\text{mm}^2$	$11.0 \times 1.4$
Surface quality @ 633 nm		$\lambda/4$ (typically)
Refractive index n @ 808 nm		1.823
Effective focal length (EFL) @ 808 nm	mm	2.48
Pitch (P)	mm	0.5
Average radius	mm	Side A: $2.05 \pm 0.04$ Side B: $3.95 \pm 0.08$
Numerical aperture (NA)		0.09
Standard coating - AR	nm	790 - 990
Transmission	%	> 99
Remaining divergence FW $1/e^2$	mrad	65 (typically)

## On request

- Customized coating
- Other dimensions
- Bottom tab for mounting



**RoHS compliant**  
2002/95/EG

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