

Telescope Array 150/500 and 200/400

Slow Axis Collimator Array with double side structure



Features and Advantages

Telescope-Arrays for the collimation of the slow axis of diode laser bars with an emitter pitch of 400 or 500 μm .

Product Specifications

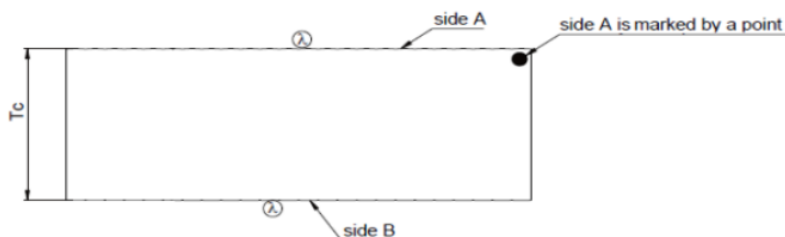
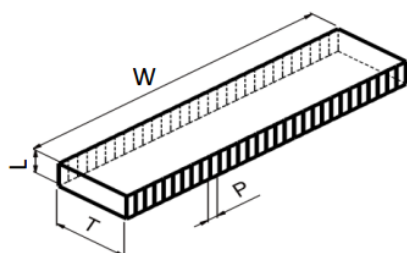
Specification Data	Unit	Value	
Material		S-TiH53 (Ohara)	
Refractive Index n @ 808 nm		1.823	
Product Code		ZLA000579⁽¹⁾	ZLA000593⁽²⁾
Specification Data	Unit		
Width (W)	mm	12.0 ± 0.05	10.8 ± 0.05
Length (L)	mm	1.0 ± 0.05	1.0 ± 0.05
Thickness (T)	mm	2.93 ± 0.01	2.93 ± 0.01
Pitch (P)	μm	400	400
Max. Emitter Size	μm	200	200
Clear Aperture ($A_W \times A_L$)	mm^2	11.0×0.9	10.4×0.9
Average Radius - Side A / Side B	mm	$1.35 \pm 0.03 / 2.56 \pm 0.05$	$1.35 \pm 0.03 / 2.56 \pm 0.05$
Effective Focal Length (EFL) @ 808 nm	mm	1.62	1.62
Numerical Aperture (NA)		0.08	0.08
Typical Remaining Divergence (FW/e^2)	mrad	100	100
AR Coating	nm	790 - 990	760 - 850
Transmission	%	> 99	> 99
Surface Imperfections (DIN ISO10110-7)		5/ 10x0.025; C2x0.1; L2x0.025 E ⁽³⁾	5/ 10x0.025; C4x0.1; L4x0.04 E ⁽³⁾

⁽¹⁾ Mark on side A applies (see drawing below)

⁽²⁾ Example for customization – design, dimensions, coatings & bottom tabs for mounting on request.

⁽³⁾ Chipping on short edge 0.2, chipping on long edge 0.08.

Product Drawing (mm)



Rev 04 | Updated July 16, 2026 | RoHS compliant 2011/65/EU and 2015/863/EU

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