

Protect eyes from accidental exposure to scattered lasers. Appropriate for use in enclosures or laser machine windows.



- Designed for safety and adjustments.
- High optical density blocks lasers.
- Can be applied to partial windows, inset windows or partitions in laser controlled areas.
- Effective safety measure to prevent potential injuries from unexpected visitors.

Guide

- ▶ Contact us for custom sizes or shapes.
- ▶ Replace laser safety windows periodically.

Attention

- ▶ Do not use with incompatible lasers or wavelengths (even if laser are same, their wavelengths might be different.)
- ▶ Do not use if damaged or has already been exposed to laser energy.
- ▶ Do not irradiate the laser beam directly at laser safety windows because it may damage them.
- ▶ These are not protective equipments that completely absorb laser light.
- ▶ Do not directly look into the laser beam through laser safety windows.

Part Number	Compatible Laser	Wavelength [nm]	Optical Density [OD]	Color	Visible Light Transmittance [%]	External Dimensions [mm]	Thickness t [mm]	Weight [kg]
YL-500P-AR(1)	Ar	190 – 380	4<	Orange	60	100x 100	3	0.04
YL-500P-AR(2)						100x 150	3	0.07
YL-500P-AR(3)						200x 200	3	0.16
YL-500P-AR(4)						250x 300	3	0.3
YL-500P-AR(5)						300x 300	3	0.36
YL-500P-AR(7)	400x 400	3	0.64					
YL-500P-Y2(1)	YAG2 ω	480 – 540	6<	Red	15	100x 100	3	0.04
YL-500P-Y2(2)						100x 150	3	0.07
YL-500P-Y2(3)						200x 200	3	0.16
YL-500P-Y2(4)						250x 300	3	0.3
YL-500P-Y2(5)						300x 300	3	0.36
YL-500P-Y2(7)	400x 400	3	0.64					
YL-500P-LD(1)	LD	632.8	5<	Blue	7	100x 100	3	0.04
YL-500P-LD(2)						100x 150	3	0.07
YL-500P-LD(3)						200x 200	3	0.16
YL-500P-LD(4)						250x 300	3	0.3
YL-500P-LD(5)						300x 300	3	0.36
YL-500P-LD(7)	400x 400	3	0.64					
YL-500P-Y1(11)	YAG	1064	5<	Green	25	100x 100	3.5	0.04
YL-500P-Y1(12)						100x 150	3.5	0.07
YL-500P-Y1(13)						200x 200	3.5	0.16
YL-500P-Y1(14)						250x 300	3.5	0.3
YL-500P-Y1(15)						300x 300	3.5	0.36
YL-500P-Y1(16)						400x 400	3.5	0.65
YL-500P-Y1(17)						500x 600	3.5	1.2
YL-500P-Y1(18)						1,000x1,200	3.5	4.8
CE YL-500P-Fiber(11)	NIR	930 – 1170	5<	Green	40	100x 100	3.5	0.04
CE YL-500P-Fiber(12)						100x 150	3.5	0.07
CE YL-500P-Fiber(13)						200x 200	3.5	0.16
CE YL-500P-Fiber(14)						250x 300	3.5	0.30
CE YL-500P-Fiber(15)						300x 300	3.5	0.36
CE YL-500P-Fiber(16)						400x 400	3.5	0.65
CE YL-500P-Fiber(17)						500x 600	3.5	1.2
CE YL-500P-Fiber(18)						1,000x1,200	3.5	4.8
YL-500P-CO2(1)	CO ₂	10600	10<	Green	60	100x 100	4	0.05
YL-500P-CO2(2)						100x 150	4	0.08
YL-500P-CO2(3)						200x 200	4	0.2
YL-500P-CO2(4)						250x 300	4	0.37
YL-500P-CO2(5)						300x 300	4	0.45
YL-500P-CO2(7)	400x 400	4	0.8					
YL-550C-Y2(1)	YAG	1064	6<	Amber	40	100x 100	3	0.04
YL-550C-Y2(2)						100x 150	3	0.07
YL-550C-Y2(3)						200x 200	3	0.16
YL-550C-Y2(4)						250x 300	3	0.30
YL-550C-Y2(5)						300x 300	3	0.36
YL-550C-Y2(7)						400x 400	3	0.64
YL-550C-Y2(8)						850x 550	3	1.87
YL-550C-Y2(2)						266 – 355	10<	

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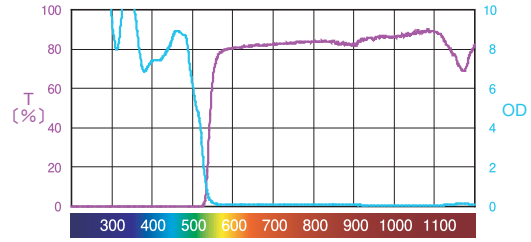
Light Sources

Absorption characteristic graph * Note that the graphs of optical density show measured values, not guaranteed values.

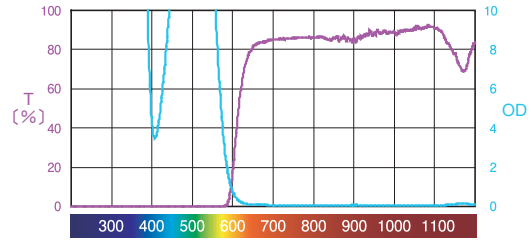
T: Transmittance

Complete absorption type

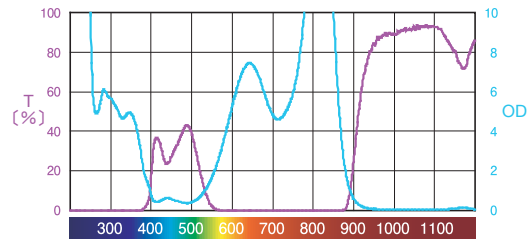
Part Number	YL-500P-AR	
Window Type	Ar	
Color	Orange	
Visible Light Transmittance	60%	
Optical Density [OD]		
EXCIMER		
Ar	200 – 514.5nm	4<
He-Cd		



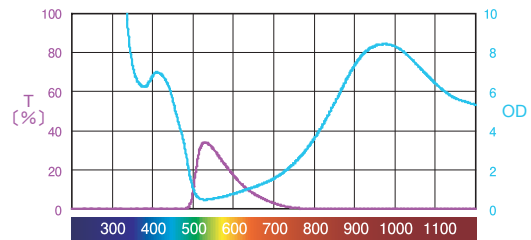
Part Number	YL-500P-Y2	
Window Type	YAG2ω	
Color	Red	
Visible Light Transmittance	15%	
Optical Density [OD]		
Ar	480 – 540nm	6<
YAG2ω	532nm	



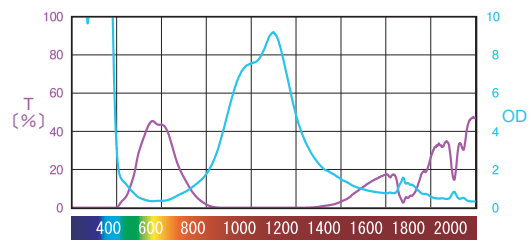
Part Number	YL-500P-LD	
Window Type	LD	
Color	Blue	
Visible Light Transmittance	7%	
Optical Density [OD]		
LD	760 – 850nm	5<
He-Ne	632.8nm	



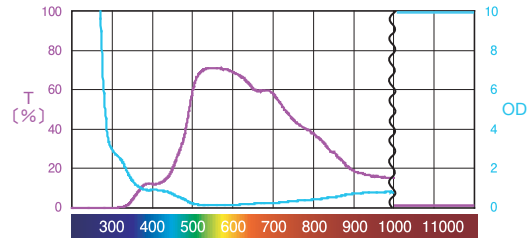
Part Number	YL-500P-Y1	
Window Type	YAG	
Color	Green	
Visible Light Transmittance	25%	
Optical Density [OD]		
YAG	1064nm	5<
Nd-YVO ₄		



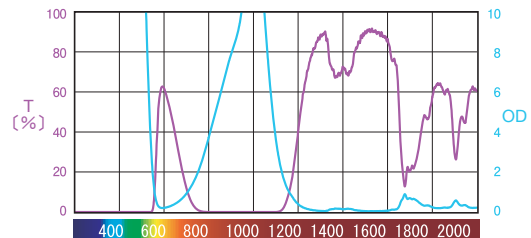
Part Number	YL-500P-Fiber	
Window Type	NIR	
Color	Green	
Visible Light Transmittance	40%	
Optical Density [OD]		
NIR	930 – 1170nm	5<
	1060 – 1130nm	7<



Part Number	YL-500P-CO2	
Window Type	CO ₂	
Color	Green	
Visible Light Transmittance	60%	
Optical Density [OD]		
CO ₂	10600nm	10<



Part Number	YL-550C-Y2	
Window Type	YAG	
Color	Amber	
Visible Light Transmittance	40%	
Optical Density [OD]		
YAG	266 – 355nm	10<
	532nm	6<
	1064nm	4<



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