

NEW
model type **YL-290**



- Frame / Nylon
- Lens / Polycarbonate with hard coating
- Specification / Wrap-around frame
Wide temples
- Size / W138 x H39 x D155
- Weight / 33g

ANSI Z136.7



High curve frame covers face with high protection. Wide temples achieves good protection.

model type **YL-120**



- Frame / Laminated plastic and metal
 - Lens / Laminated glasses
 - Specification / Can be worn over prescription eyewear
 - Size / W160 x H80 x D73
 - Protection from a direct laser beam for three seconds(Conditional laser power)
 - High Optical Density
 - Both frame & lens has high damage threshold against laser.
 - Laminated glasses provide high impact resistance
 - High visible transmittance
 - Weight / 162 g
- ※ Threshold stands for the value of laser power when the lenses and frame start to have damages in case of receiving direct laser beam.

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D Laser absorption type

ORDER NAME	COLOR	Visible light transmittance(%)	Wavelength (nm)	Optical Density(OD)	FILTER CODE	CC mark
YL290 EX HeCd	YELLOW	75%	193-441.7	10<	D-002	D 180-315 L7,R 180-315 L3,DIR>315-460 L5
YL290 NdYag(SHG)	RED	16%	532	10<	D-004	D 180-315 L7,R 180-315 L3,DIR>315-360 L5 D>360-532 L5,IR>360-532 L6
YL290 Alexandrite	PINK	30%	750-800-850	4-10-4<	D-006	D 180-315 L7,R 180-315 L3,DIR>315-360 L5 DI 740-8600 L4,DI>860-870 L3
YL290 NdYag	GREEN	50%	1064	6<	D-009	DIR 870-925 L4,DIR>925-1065 L5 DIR>1065-1090 L3,DI 9000-11000 L3

C Laser absorption type and Application for Multi band laser

ORDER NAME	COLOR	Visible light transmittance(%)	Wavelength (nm)	Optical Density(OD)	FILTER CODE	CC mark
YL290C NdYag2	AMBER	40%	266,355 532 1064	10< 4< 6<	C-014	D 180-315 L7,R 180-315 L3,DIR>315-532 L5 DI 800-830 L3,DI>830-925 L4 DIR>925-1065 L5,DIR>1065-1090 L3

M Type attenuation to 1/100 for alignment work

ORDER NAME	COLOR	Visible light transmittance(%)	Wavelength (nm)	Optical Density(OD)	FILTER CODE	CC mark
YL290M NdYag(SHG)	RED	30%	532	2<	M-018	D 180-315 L7,R 180-315 L3,DIR>315-360 L5 500-532 0.1W 2*10E-5 R2
YL290M Visible Laser Diode	BLUE	55%	660-680 647.1 676.4	2<	M-020	D 180-315 L7,R 180-315 L3,DIR>315-360 L5 625-640 0.01W 2*10E-6 R1 >640-655 0.1W 2*10E-5 R2 >655-670 0.01W 2*10E-6 R1 >670-680 0.1W 2*10E-5 R2

H High-Powered Laser (Laser absorption type)

ORDER NAME	COLOR	Visible light transmittance(%)	Wavelength (nm)	Optical Density(OD)	FILTER CODE	CC mark
YL120H NdYag	GREEN	67%	1064,1319.5 1060 1047,1053	7<	H-026	D 1000-1350 L6,IR 1000-1350 L7 DI 2940 L4 No penetration by a laser of power density 10+8W/m ² at 1064nm for three seconds.※1 This lens provides over OD7 between 1000 and 1600nm
YL120H CO2	CLEAR	86%	10600 193,248,308	10<	H-027	D 190-320 L9,IR 190-320 L4 DI 10600 L4 No penetration by a laser of power density 10+8W/m ² at 10600nm for three seconds.※2 This lens provides over OD10 between 190 and 320nm.

※1 This data comes from the radiation testing by NdYag Laser with 40W power.
※2 This data comes from the radiation testing by CO2 Laser with 50W power.

model type **YL-250**



- Frame / Nylon
- Lens / Tempered glasses
- Specification / Can be worn over prescription eyewear
- Size / W155 x H57 x D141
- High visible transmittance
- High color recognition
- Lens performs high chemical-resistant.
- Weight / 76 g

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G Tempered glass type(Laser absorption type)

ORDER NAME	COLOR	Visible light transmittance(%)	Wavelength (nm)	Optical Density(OD)	FILTER CODE	CC mark
YL250G NdYag(OD3)	GREEN	80%	1064 2100,2940 980 1310,1550 780	3< 2< 3< 2< 0.8<	G-028	—
YL250G NdYag(OD5)	GREEN	74%	1064 2100,2940	5< 3.5<	G-029	DIR 1064 LB5 DI 2100 LB3,2940 LB3
YL250G NdYag(OD7)	GREEN	69%	1064 2100,2940	7< 5<	G-030	—