

Laser Safety

Frame Type



YL-130 Goggle

Very good fit with face and can be worn over the prescription glasses.



YL-760 Overglass

Inner frame with prescription lenses can be attached inside of this glass. In case of no inner frame, it is used as over glass type.



YL-717 Overglass1

Can be worn over the bigger prescription glasses.



YL-331 Overglass2

Can be worn over the normal sized prescription glasses.



YL-290 glass

Light & compact glasses with easy wearing semi-straight temples.



YL-335



YL-250 Overglass

Tempered glasses give high visible transmittance.



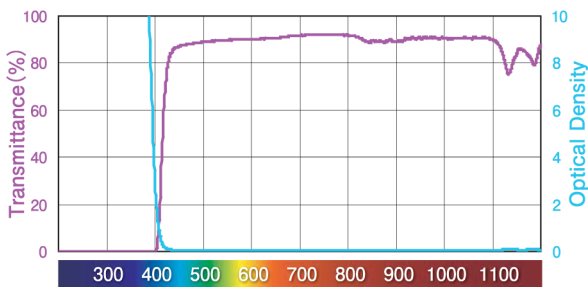
YL-120 Goggle

Laminated glasses provide very high threshold against high power laser. *Threshold stands for the limit that the laser radiation starts to give damages.

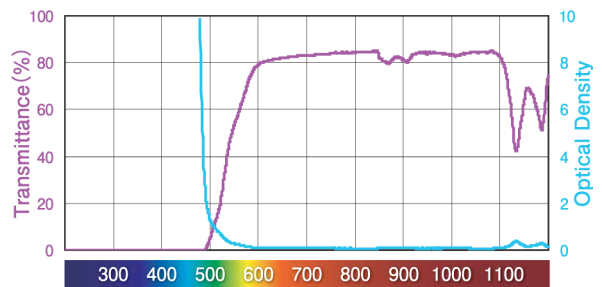
Laser Goggles-Laser Absorption Type

Model No.	Filter Name	Color	Luminous Transmittance	Optical Density	Frame Type
D-001	Excimer	clear	85%	Excimer: 190-380nm - 10< ArF (193nm) - 10< KrF (248nm) - 10< XeCl (308nm) - 10< Ne-N2 (334,337nm) - 10< He-Cd (325nm) - 10<	YL-130, YL-717
D-002	Excimer He/Cd	Yellow	75%	Nd-Yag (FHG): 266nm - 10< Nd-Yag (THG): 355nm - 10< He-Cd: 441.6nm - 10<	YL-335, YL-290
D-003	Argon	Orange	45%	Argon: 457.9nm - 10< 488.0nm - 10< 514.5nm - 10< He-Cd: 441.6nm - 10<	YL-717
D-004	Nd-Yag(SHG)	Red	16%	Nd-Yag (SHG): 532nm - 10<	YL-130, YL-717, YL-335, YL-290
D-005	HeNe	Blue	25%	Gold-Vapor: 627.8nm - 5< He-Ne: 632.8nm - 5< KRYPTON: 647.1nm - 5< 676.4nm - 8< LASER DIODE: 635-680nm - 5<	YL-717
D-006	Alexandrite	Pink	30%	Alexandrite: 755nm - 6< LASER DIODE: 750-850nm - 4~10< 800nm - 10<	YL-130, YL-760, YL-717, YL-335, YL-290
D-007	Laser Diode2	Green	27%	Ti-Sapphire: 441.6nm - 4< LASER DIODE: 790-910nm - 3~6<	YL-717
D-008	LD-Yag	Green	35%	Fiber Laser: 800-1080nm - 6< Nd-Yag: 1064nm - 7< LASER DIODE: 800-810nm - 7< 940nm - 7<	YL-335, YL-760
D-009	NdYag	Green	50%	Nd-YLF: 1047, 1053nm - 6< Nd-Yag, Nd-YVO ₄ : 1064nm - 6<	YL-130, YL-760, YL-717, YL-335, YL-290
D-010	CO ₂	Green	60%	CO ₂ : 10600nm - 5~6<	YL-717
D-011	CO ₂ clear	clear	85%	CO ₂ : 10600nm - 6<	YL-335
D-031	DYE	Blue	23%	DYE: 591-598nm - 5<	YL-130

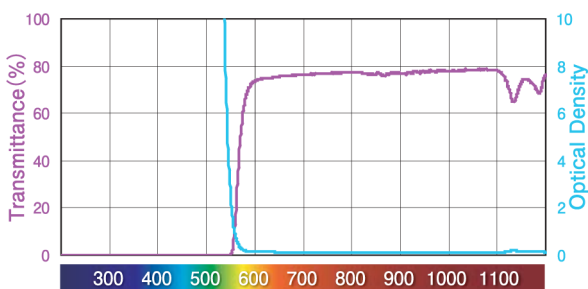
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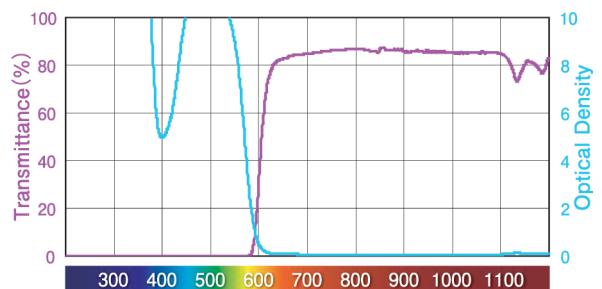
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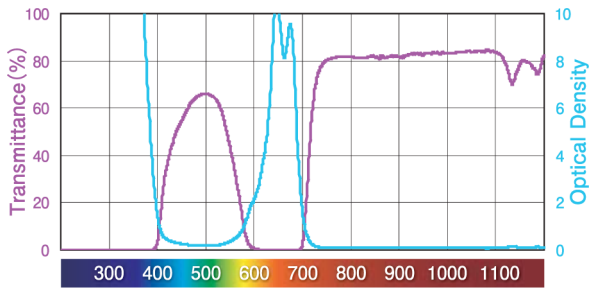
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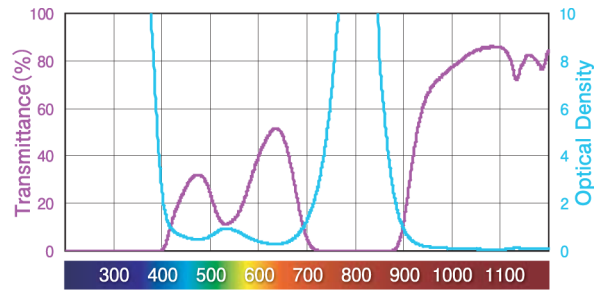
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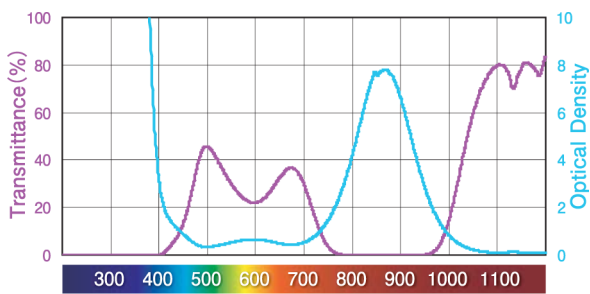
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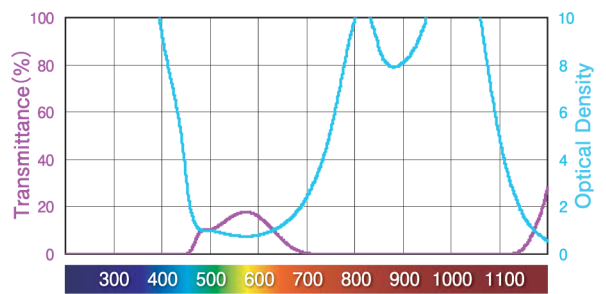
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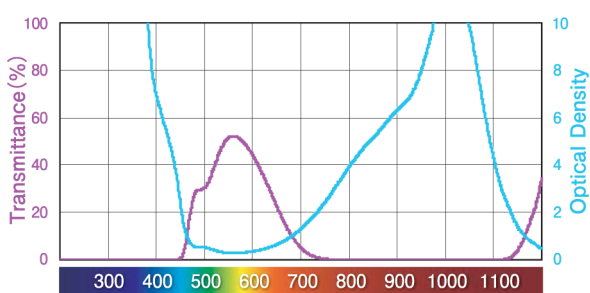
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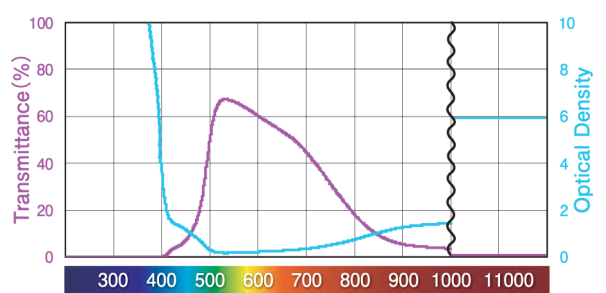
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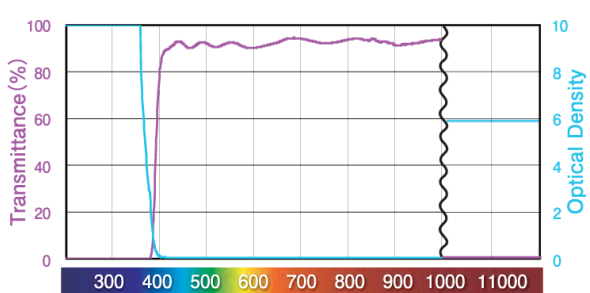
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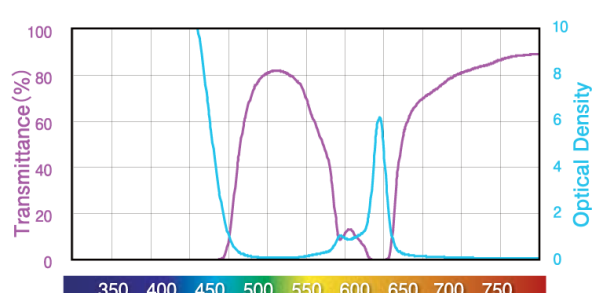
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D-011



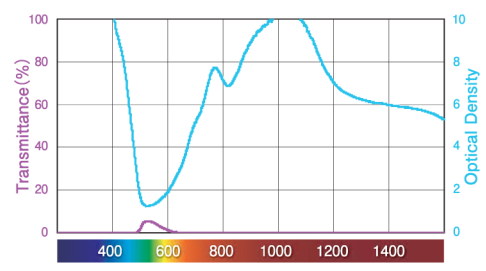
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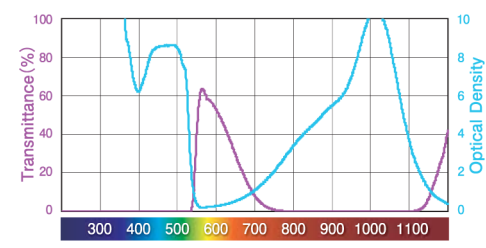
Laser Goggles-Laser Absorption Type And Application For Multi Band Laser

Model No.	Filter Name	Color	Luminous Transmittance	Optical Density	Frame Type
C-012	C Laser Diode	green	7%	Visible Laser Diode: 660-680nm - 2~3< Laser Diode: 740, 820nm - 4< Ti-Sapphire: 680~1100nm - 3~5< Nd-Yag: 1064nm - 5< 1320nm - 2<	YL-717
C-013	C NdYag1	Amber	60%	Yag (FHG): 226nm - 10< Yag (THG): 355nm - 10< Yag (SHG): 532nm - 2< Nd-Yag: 1064nm - 6<	YL-717
C-014	C NdYag2	Amber	40%	Yag (FHG): 226nm - 10< Yag (THG): 355nm - 10< Yag (SHG): 532nm - 4< Nd-Yag: 1064nm - 6<	YL-130, YL-760, YL-717, YL-335, YL-290
C-015	C NdYag3	Amber	30%	Yag (FHG): 226nm - 10< Yag (THG): 355nm - 10< Yag (SHG): 532nm - 7< Nd-Yag: 1064nm - 6<	YL-717

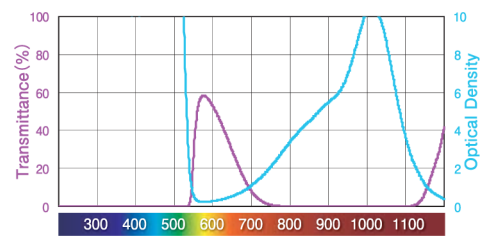
C-012



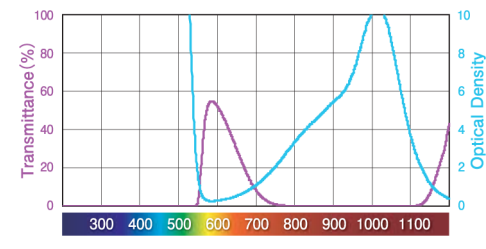
C-013



C-014



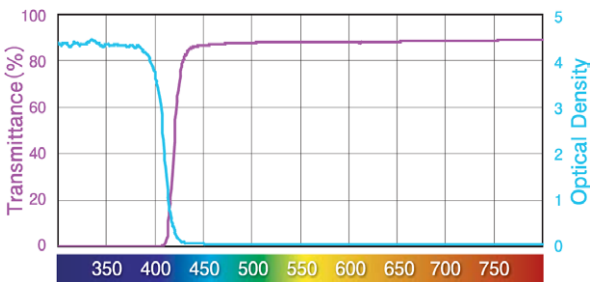
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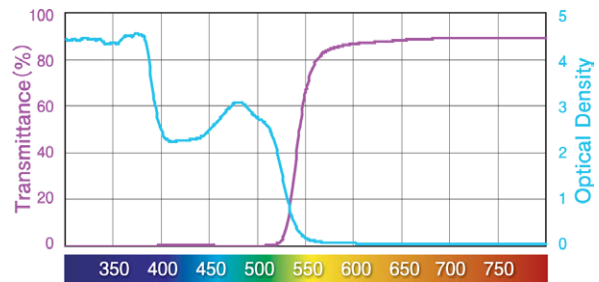
Laser Goggles-Type Attenuation To 1/100 For Alignment Work

Model No.	Filter Name	Color	Luminous Transmittance	Optical Density	Frame Type
M-016	M Blue Laser Diode	clear	85%	Blue Laser Diode: 405nm - 3<	YL-335
M-017	M Argon	Orange	57%	ARGON: 488nm - 3< 514.5nm - 2<	YL-335, YL-717
M-018	M NdYag(SHG)	Red	30%	Yag(SHG): 532nm - 2<	YL-130, YL-760, YL-717, YL-290, YL-335
M-019	M HeNe	Blue	47%	GOLD-VAPOR: 627.8nm - 2< He-Ne: 632.8nm - 2< VISIBLE LASER DIODE: 635nm - 2<	YL-335, YL-717
M-020	M Visible Laser Diode	Blue	55%	VISIBLE LASER DIODE: 660-680nm - 2< KRYPTON: 647.1nm - 2< 676.4nm - 2<	YL-130, YL-760, YL-717, YL-335, YL-290
M-021	M Laser Diode	Green	48%	LASER DIODE: 780nm - 1< 830nm - 3<	YL-335
M-022	M Laser Diode2	Blue	58%	LASER DIODE: 635nm - 0.7< 650nm - 0.9< 680nm - 1< 780nm) - 0.5<	YL-335
M-023	M RGB	Purple	8%	BLUE LED: 457nm - 2< GREEN LED: 532nm - 2< RED LED: 633nm - 2<	YL-335

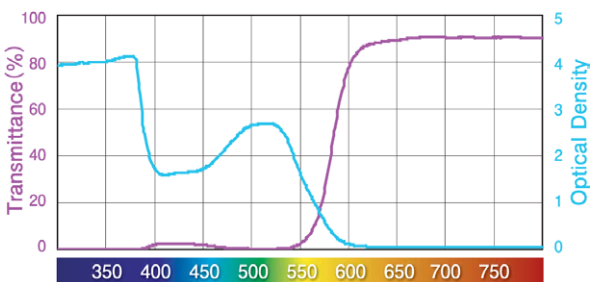
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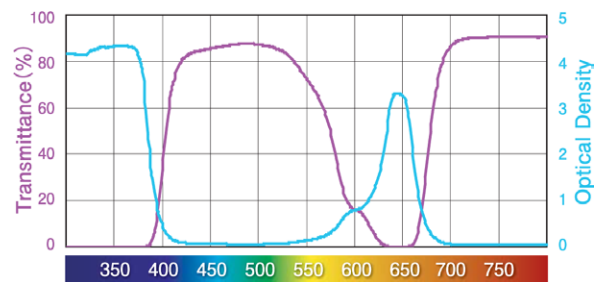
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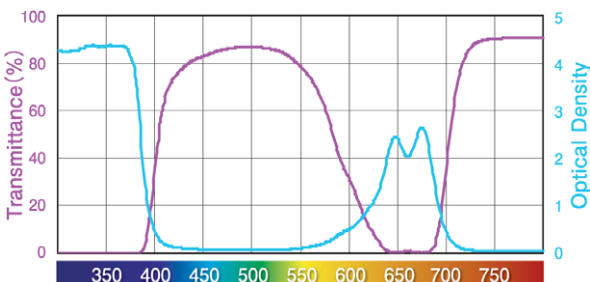
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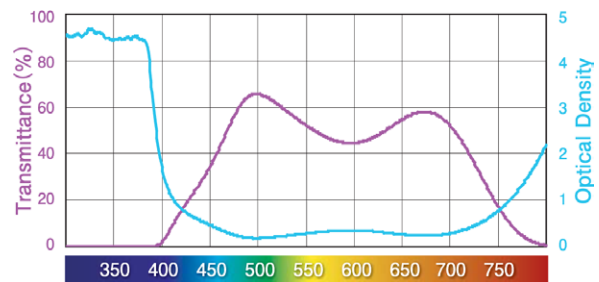
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M-020

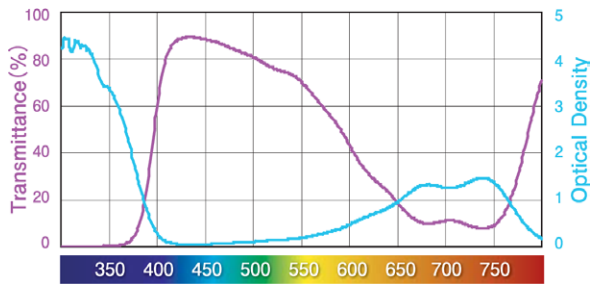


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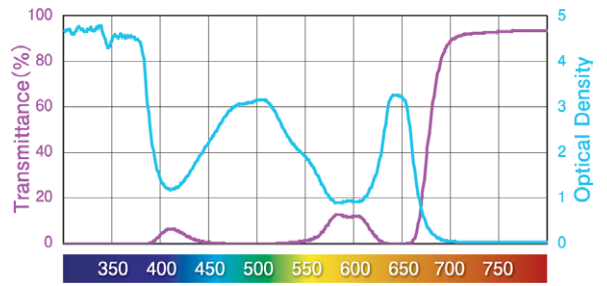


CHAPTER 3 PHOTONICS

M-022



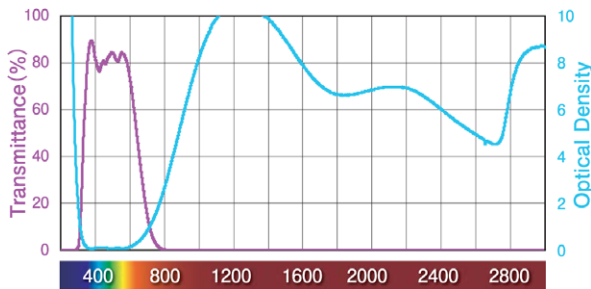
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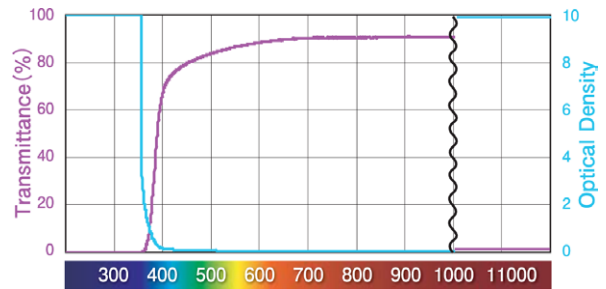
Laser Goggles-High Power Laser Absorption Type

Model No.	Filter Name	Color	Luminous Transmittance	Optical Density	Frame Type
H-026	H NdYag	green	67%	Nd-Yag (FHG): 1064nm - 7< 1319.5nm - 7< Nd GLASS: 1060nm - 7< Nd-YLF: 1047, 1053nm - 7< Er Yag: 2940nm - 7<	YL-120
H-027	H CO ₂	Clear	86%	CO ₂ : 10600nm - 10< EXCIMER: ArF 193nm - 10< KrF 248nm - 10< XeCl 308nm - 10<	YL-120

H-026



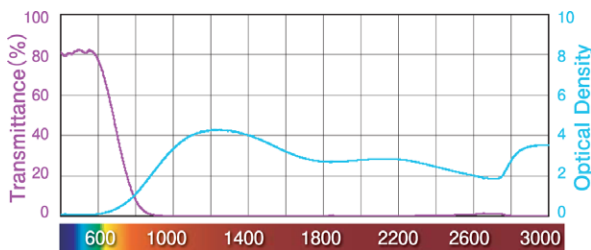
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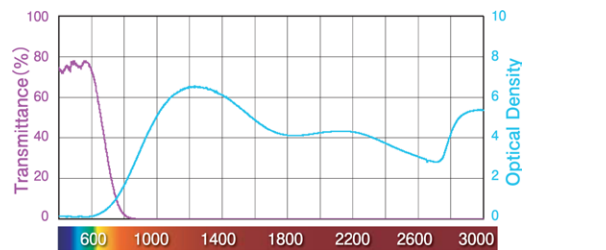
Laser Goggles-Tempered Glass Laser Absorption Type

Model No.	Filter Name	Color	Luminous Transmittance	Optical Density	Frame Type
G-028	G NdYag (OD3)	green	80%	Nd-Yag: 1064nm - 3< Ho-Yag: 2100nm - 2< Er-Yag: 2940nm - 2< Laser Diode: 780nm - 0.8< TELECOM : 980nm - 3< 1310,1550nm - 2<	YL-250
G-029	G NdYag (OD5)	green	74%	Nd-Yag: 1064nm - 5< Ho-Yag: 2100nm - 3.5< Er-Yag: 2940nm - 3.5<	YL-250
G-030	G NdYag (OD7)	green	69%	Nd-Yag: 1064nm - 7< Ho-Yag: 2100nm - 5< Er-Yag: 2940nm - 5<	YL-250

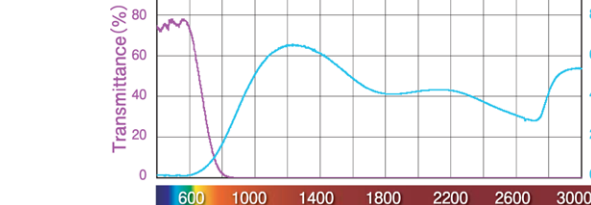
G-028



G-029



G-030



YL-130



Ergonomic elastomer cushioning gives good fitting.

Integrated spherical lens enables wide view.

- Frame / PP & Elastomer
- Lens / Polycarbonate with hard & anti-fogging coating
- Specification / Can be worn over the prescription glasses (excluding some bigger glasses)
- Size / W192 x H83 x D92
- Weight / 92g

D Laser absorption type

Order name	Color	Visible light transmittance (%)	Wavelength (nm)	Optical Density (OD)	Filter Code	mark
YL-130-190	Clear	85%	190-380	10<	D-001	-
YL-130-532	Red	16%	532	10<	D-004	D180-315 L7, R180-315 L3, DIR>315-532 L5
YL-130-755	Pink	30%	750-800-850	4-10-4<	D-006	D180-315 L7, R180-315 L3, DIR>315-360 L5 DI 780-860 L4, DI>860-870 L3
YL-130-1064	Green	50%	1064	6<	D-009	DIR 870-925 L4, DUR>925-1065 L5 DIR>1065-1090 L3, DI 9000-11000 L3
YL-130-591	Blue	23%	591-598	5<	D-031	DIR 591-598 LB5 DI 5000-11000 LB3

C Laser absorption type and Application for Multi band laser

Order name	Color	Visible light transmittance (%)	Wavelength (nm)	Optical Density (OD)	Filter Code	mark
YL-130C-532-4	Amber	40%	366,355 532 1064	10< 4< 6<	C-014	D180-315 L7, R180-315 L3, DIR>315-360 L5 D>360-532 L5, IR>360-532 L6, 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	mark
YL-130M-532	Red	30%	532	2<	M-018	D180-315 L7, R180-315 L3, DIR>315-360 L5 500-532 0.1W 2 *10E-5J R2
YL-130M-660	Blue	55%	600-680 674.1 976.4	2<	M-020	D180-315 L7, R180-315 L3, DIR>315-360 L5 625-640 0.01W 2*10E-6J R1 >640-655 0.1W 2*10E-5J R2 >655-665 0.01W 2*10-6J R1 >665-680.01W 2*10E-5J R2

A-O Modulators | AOTF | E-O Modulators | Rotators & Isolators | Photodetectors & PSD | Laser Apertures | Shutters | Laser Detections | Optical Chopper | Holography/Films | Spatial Light Modulators | Laser Safety | Laser Speckle Reducer

YL-760



- Frame / Nylon & Elastomer
- Lens / Polycarbonate with hard coating
- Specification / Can be worn over the prescription glasses
Frame angle can be changed
Soft rubber temples(adjustable bending temples)
- Size / W160 x H58 x D170
- Weight / 147g



Good cushioned soft nose pads & bar

Flexible temples are angle adjustable

D Laser absorption type

Order name	Color	Visible light transmittance (%)	Wavelength (nm)	Optical Density (OD)	Filter Code	mark
YL-760-755	Pink	30%	750-800-850	4-10-4<	D-006	-
YL-760-940	Green	35%	800-810 940,1064	7<	D-008	-
YL-760-1064	Green	50%	1064	6<	D-009	-

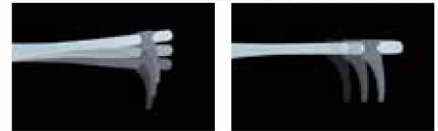
C Laser absorption type and Application for Multi band laser

Order name	Color	Visible light transmittance (%)	Wavelength (nm)	Optical Density (OD)	Filter Code	mark
YL-760C-532-4	Amber	40%	2366,355 532 1064	10< 4< 6<	C-014	-

M Type attenuation to 1/100 for alignment work

Order name	Color	Visible light transmittance (%)	Wavelength (nm)	Optical Density (OD)	Filter Code	mark
YL-760M-532	Red	30%	532	2<	M-018	-
YL-760M-660	Blue	55%	600-680 674.1 676.4	2<	M-020	-

YL-717



- Frame / Nylon & Elastomer
 - Lens / Polycarbonate with hard coating
 - Specification / Can be worn over the prescription glasses
 - Size / W163 x H65 x D167
 - Weight / 49g
- Soft elastomer cushion bar
Frame angle can be changed

New straight and angle adjustable temples which has three adjustable angle positions.

New movable ear hook gives better fitting

D Laser absorption type

Order name	Color	Visible light transmittance(%)	Wavelength (nm)	Optical Density(OD)	Filter Code	mark
YL-717-190	Clear	85%	190-380	10<	D-001	D180-315 L7, R180-315 L3, DIR>315-532 L5 DI 9000-11000 L3
YL-717-488	Orange	45%	488,514.5	10<	D-003	-
YL-717-532	Red	16%	532	10<	D-004	D180-315 L7, R180-315 L3, DIR>315-360 L5 D>360-532 L5, IR>360-532 L6
YL-717-632	Blue	25%	632.8	5<	D-005	D180-315 L7, R180-315 L3, DIR>315-360 L5 DIR>620-694 L4
YL-717-755	Pink	30%	780-800-850	4-10-4<	D-006	D180-315 L7, R180-315 L3, DIR>315-360 L5 DI 780-860 L4
YL-717-1064	Green	50%	1064	7<	D-032	D 870-925 LB6, IR LB 7, D>925-1065 LB6, IR LB6 D>1065-1090 LB5,DI 9000-11000 LB3
YL-717-10600	Green	60%	10600	5<	D-010	-
YL-717-810	Green	30%	810-1100	7<	D-033	315-420 DIR LB6+MLB6Y, 810-925 D LB6+IRLB7,>925-1065D, LB6+IR LB8+MLB8Y,>1065-1100 DIRLB5,9000-11000 DILB3 YLS CE
YL-717-2940	Clear	85%	2940	3<	D-034	2940 DILB3

C Laser absorption type and Application for Multi band laser

Order name	Color	Visible light transmittance(%)	Wavelength (nm)	Optical Density(OD)	Filter Code	mark
YL717C NdYag1	Amber	60%	266,355 532,1064	10< 2<,6<	C-013	-
YL-717C-532-4	Amber	40%	266,355 532,1064	10< 4<, 6<	C-014	D180-315 L7, R180-315 L3, DIR>315-360 L5 DI>800-830 L3, DI>830-925 L4 DIR>925-1065 L5,DIR>1065-1090 L3
YL-717C-532-7	Amber	30%	266,355 532,1064	10< 7<, 6<	C-015	-

M Type attenuation to 1/100 for alignment work

Order name	Color	Visible light transmittance(%)	Wavelength (nm)	Optical Density(OD)	Filter Code	mark
YL-717M-488	Orange	57%	488, 514.5	3<, 2<	M-017	-
YL-717M-532	Red	30%	532	2<	M-018	D180-315 L7, R180-315 L3, DIR>315-532 L5 500-532 0.1W 2*10E-5J R2
YL-717M-632	Blue	47%	627.8, 632.8, 635	2<	D-019	-
YL-717M-660	Blue	55%	660-680, 647.1 676.4	2<	D-020	D180-315 L7, R180-315 L3, DIR>315-360 L5 625-640 0.01W 2*10E-6J R1 >640-655 0.1W 2*10E-5J R2 >655-665 0.01W 2*10E-6J R1 >665-680 0.1W 2*10E-5J R2

A Laser absorption type and Application for Multi band laser

Order name	Color	Visible light transmittance(%)	Wavelength (nm)	Optical Density(OD)	Filter Code	mark
YL-717A-488	Orange	50%	488, 514.5	4<	A-024	-
YL-717A-532	Red	25%	532	4<	A-025	D180-315 LB6, IR R180-315 LB3, DIR 532 LB4

YL-335



- Frame / Polycarbonate & Elastomer
 - Lens / Polycarbonate with hard coating
 - Specification / Can be worn over the prescription glasses
 - Size / W163 x H65 x D167
 - Weight / 49g
- Soft elastomer cushion bar
Frame angle can be changed



Soft nose pad with cushion



Wide temples give better protection.

D Laser absorption type

Order name	Color	Visible light transmittance(%)	Wavelength (nm)	Optical Density(OD)	Filter Code	mark
YL-331-190	Clear	75%	193-441.7	10<	D-002	D193-315 L5, R 193-442 L4, D>315-442 L4
YL-335-1064-10	Red	16%	532	10<	D-004	-
YL-331-755	Pink	30%	780-800-850	4-10-4<	D-006	DR750-850 L5, I750-760 L6, I>760-850 L7
YL-335-940	Green	35%	800-810 940, 1064	7<	D-008	-
YL-335-1064-6	Green	50%	1064	6<	D-032	-
YL-335-10600	Clear	85%	10600	6<	D-011	-

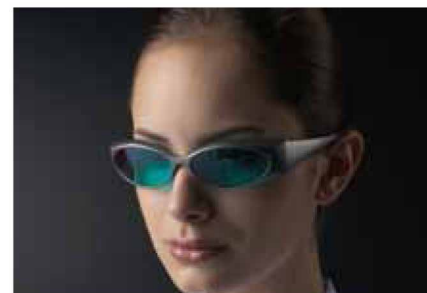
C Laser absorption type and Application for Multi band laser

Order name	Color	Visible light transmittance (%)	Wavelength (nm)	Optical Density (OD)	Filter Code	mark
YL-335C-532-4	Amber	40%	2366,355 532 1064	10< 4< 6<	C-014	-

M Type attenuation to 1/100 for alignment work

Order name	Color	Visible light transmittance(%)	Wavelength (nm)	Optical Density(OD)	Filter Code	mark
YL-335M-405	Clear	85%	405	3<	M-016	-
YL-335M-532	Red	30%	532	2<	M-018	-
YL-335M-514	Orange	57%	514.5	2<	M-017	-
YL-335M-632	Blue	47%	632.8	2<	M-019	-
YL-335M-780	Blue	55%	660-680	2<	M-020	-
YL-335M-635	Blue	58%	635-780	0.5-1<	M-022	-
YL-335M RGB	Purple	8%	457, 532 633	62<	M-023	-

YL-290



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

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

D Laser absorption type

Order name	Color	Visible light transmittance(%)	Wavelength (nm)	Optical Density(OD)	Filter Code	mark
YL-290-325	Yellow	75%	193-441.7	10<	D-002	D 180-315 L7, R 180-315 L3, DIR>315-460 L5
YL-290-532	Red	16%	532	10<	D-004	D 180-315 L7, R 180-315 L3, DIR>315-460 L5 D>360-532 L5, IR>360-532 L6
YL-290-755	Pink	30%	780-800-850	4-10-4<	D-006	D 180-315 L7, R 180-315 L3, DIR>315-460 L5 DI 740-8600 L4, DI>860-870 L3
YL-290-1064	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	mark
YL-290C-532-4	Amber	40%	2366,355 532 1064	10< 4< 6<	C-014	D180-315 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	mark
YL-290M-532	Red	30%	532	3<	M-018	D180-315 L7, R 180-315 L3, DIR>315-532 L5, 500-532 0.1W 2*10E-5 R2
YL-290M-660	Blue	55%	660-680 647.1 676.4	2<	M-020	D180-315 L7, R 180-315 L3, DIR>315-532 L5 625-640 0.01W 2*10E-6 R1 >640-655 0.1W 2*10E-5 R2 >655-670 0.01W 2*10E6 R1 >670-680 0.1W 2*10E-5 R2

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.



Type attenuation to 1/100 for alignment work

Order name	Color	Visible light transmittance(%)	Wavelength (nm)	Optical Density(OD)	Filter Code	mark
YL-120H-1064	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/m2 at 1064nm for three seconds.(※1) This lens provides over OD7 between 1000 and 1600nm
YL-120H-10600	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/m2 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.

YL-250

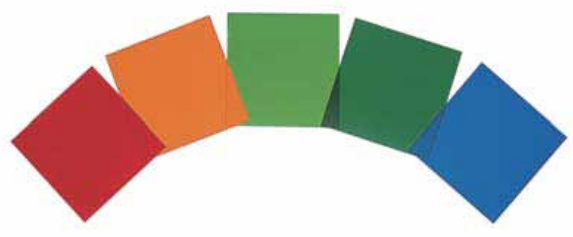
- Frame / Nylon
- Lens / Tempered glasses
- Specification / Can be worn over prescription eyewear
- Size / W155 x H57 x D141
- High visible transmittance
- High color recognition
- Lens performs high chemical-resistant.
- Weight / 76 g



Laser absorption type

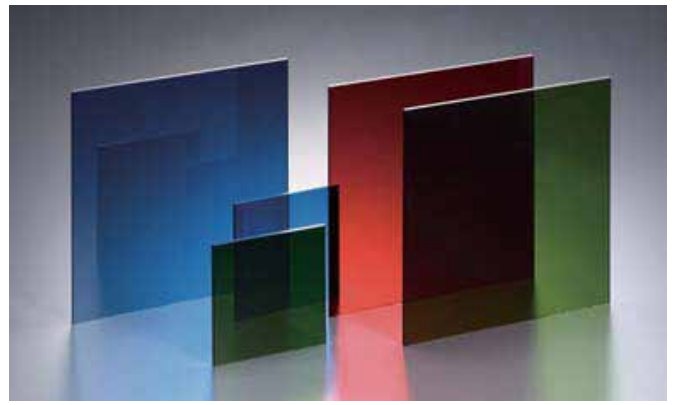
Order name	Color	Visible light transmittance(%)	Wavelength (nm)	Optical Density(OD)	Filter Code	mark
YL-250G-1064-3	Green	80%	1064 2100, 2940 980 1310, 1550 780	3< 2< 2< 0.8<	G-028	-
YL-250G-1064-5	Green	74%	1064 2100, 2940	5< 3.5<	G-029	DIR>1064 L5 DIR 2100 LB3, 2940 LB3
YL-250G-1064-7	Green	69%	1064 2100, 2940	7< 5<	G-030	-

Laser Shield Window



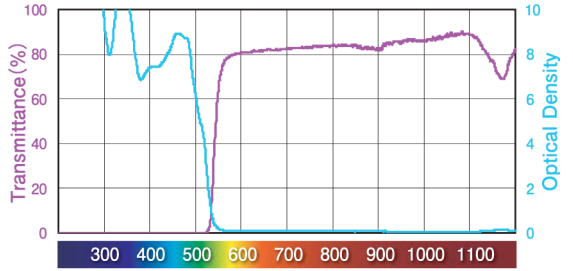
Outline of Product

- Due to the acrylic material, accurate measurement processing is available. (We do any customized measurement processing including perforation processing.)
- Maximum size: 40 x 40 cm except for NdYag (120 x 100 cm)
- Sales unit: Any size within above mentioned
- Thickness 3mm except for CO2 (4mm) and NdYag(3.5mm)
- Material / Polymethyl Meta Acrylate

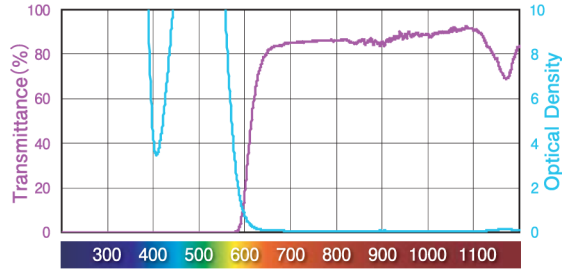


Order Name	Color	Visible Light Transmittance	Wavelength	Optical Density (OD)	Maximum size: within the following size
YL-500-A	Orange	60%	200 - 514.5 nm	4<	400 x 400mm, t ≅ 3.0
YL-500-N(S)	Red	57%	480 - 540 nm	6<	400 x 400mm, t ≅ 3.0
YL-500-L	Blue	7%	632.8, 760 - 850 nm	5<	400 x 400mm, t ≅ 3.0
YL-500-N	Green	25%	900 - 1200 nm	5<	1200 x 1000mm, t ≅ 3.5
YL-500-C	Green	60%	10600 nm	10<	400 x 400mm, t ≅ 4.0
YL-500C-N2	Amber	30%	266, 355 nm	10<	400 x 400mm, t ≅ 3.5
			532 nm	4<	
			1064 nm	6<	

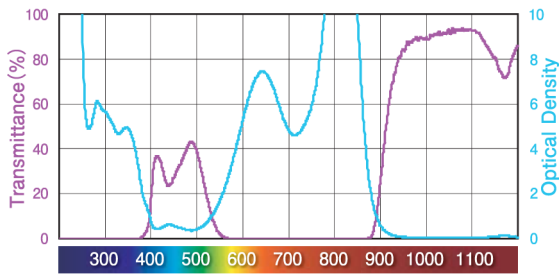
YL500 Argon



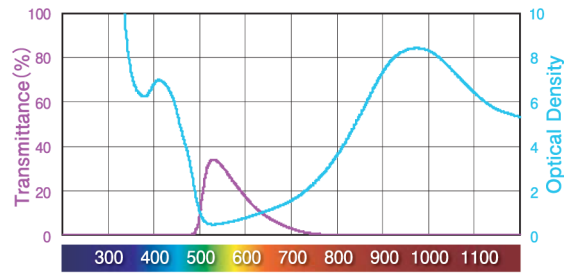
YL500 NdYAG(SHG)



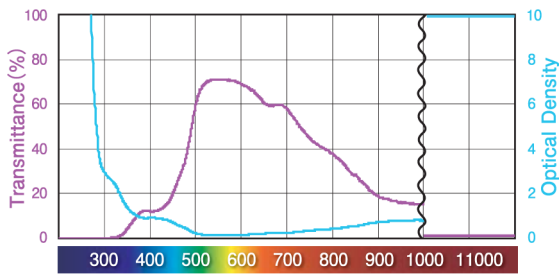
YL500 Laser Dioden



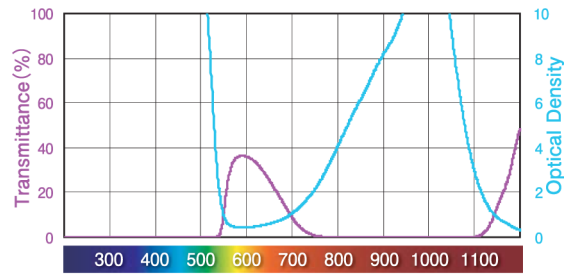
YL500 NdYAG



YL500 CO₂



YL500C NdYAG2



Laser Shield Curtain



- Size: Effective width 1m (thickness 0.5mm) & 33cm(thickness 0.7mm)
- Material: plasticized polyvinyl chloried
- Sales unit: Length 50cm, Maximum length 10m per roll Size: Effective width 1m, Thickness 0.5mm & 33cm, Thickness 0.7mm
Unit: 50cm. maximum length available 10 meters

Outline of the Product:

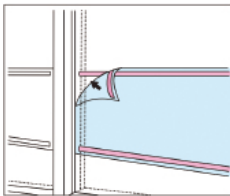
- As this product is made of plasticized polyvinyl chloride, you can easily cut the curtain by scissors and fit it to the size of any ready-made facilities.

It is essential to contain a laser within an enclosed area from a safety point of view. When you isolate the work area from the outside, the outside operators can not identify the condition of the operators within such an enclosed area and this is not advisable form a safety perspective. The Laser Curtain not only provides isolation of the laser control area but it also offers peace of mind and safety to all workers which will constitute a safe working environment.



Installation method of the Laser Shield Curtain:

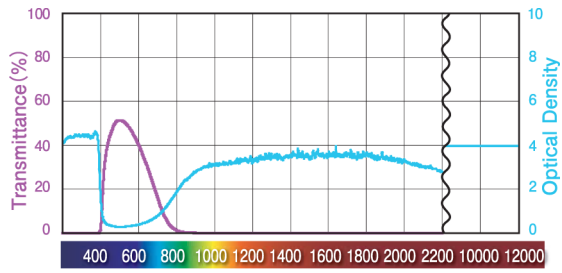
The Laser Shield Curtain is made of plasticized polyvinyl chloride. Therefore, it is soft and flexible making its installation much easier as it can be made into any shape according to its required applications. However, in order to maximize its effectiveness, your attention is drawn to the following information.



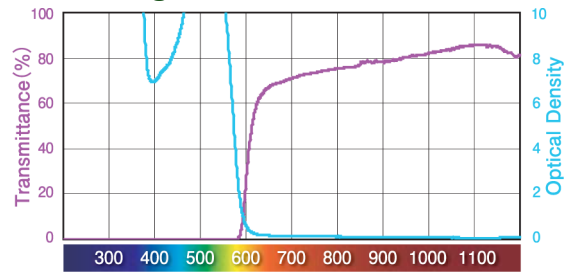
Installation of the Laser Curtain to Transparent Panels The surface of the Laser Curtain is slightly adhesive. Firstly, place the Laser Curtain onto the panels, and then push out any air bubbles which may exist between he curtain and the panel. If any air bubbles still remain, the effectiveness of the curtain will not be reduced. After that, apply 3M multi-purpose adhesive (approx 1cm in width) to the upper and lower edges of both the curtain and the panel and then fasten.

Filter Name	Color	Luminous Transmittance	Optical Density
YLC-1	Clear Gray	40%	Nd-YAG (FHG): 266nm - 3< Nd-YAG (THG): 355nm - 3< Nd-YAG : 1064nm - 3< CO ₂ : 10600nm - 3<
YL-600-A	Red	20%	Excimer: 190-380nm - 3< ARGON: 488, 514.8nm - 3< He-Cd: 441.6nm - 3< Nd-YAG(SHG): 532nm - 3< He-Ne: 632.8nm - 2< Dye: 570-630nm - 2<
YL-600-H	Blue	12%	Gold-Vapor: 627.8nm - 2< KRYPTON: 647.1, 676.4nm - 2< Ruby: 694.3nm - 2<
YL-600-L	Green	12%	LASER DIODE: 740-910nm - 3< ALEXANDRITE: 740-820nm - 3< Ti-Sapphire: 700-1000nm - 1~3<
YL-600C-N2	Amber	7%	YAG(FHG): 266nm - 3< YAG(THG): 355nm - 3< YAG(SHG): 532nm - 3< Nd-YAG: 1064nm - 3<

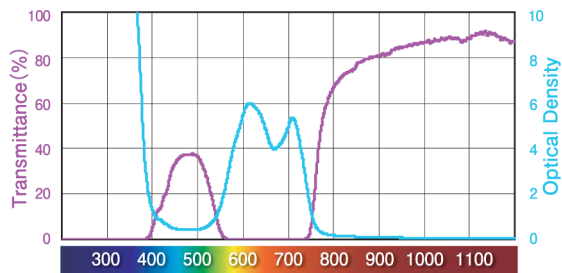
YLC-1



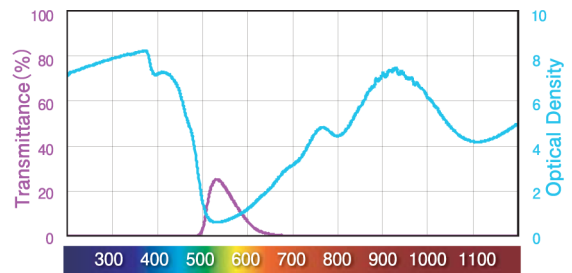
YL600 Argon



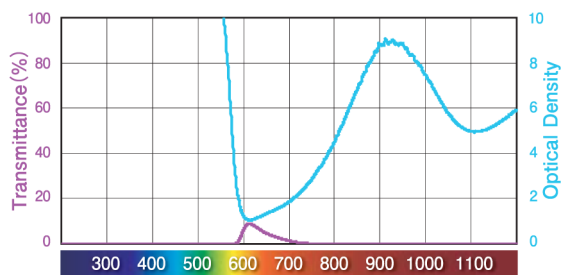
YL600 HeNe



YL600 Laser Diode



YL600C NdYAG2



Laser Goggles For Medical Treatment

LCD shutter glasses for the protection of Flash Lamp



Protection not only for visible light but also UV & IR. Adjustable fitting angle and temple length

- High sensitivity sensor: shutter speed of 0.0002 sec
- *Faster than the human blinking reflex (0.25 sec)
- Maintenance - free (Solar battery back-ups)
- Weight: 95g
- Shutter speed: 0.0002 sec
- Shade number: #11 (Closed)
- Visible light transmittance: 0.005% (Closed), 16% (Open)
- Standard: EN379 CE



Soft rubber prevents scattered light from entering the goggle through all possible angles.



Shutter open:
Clear view through open filter.



Shutter closed:
Perfect protection from IPL light exposure.



Glasses for the protection from Flash Lamp Safety Eyeguard



LPL-717

Glasses for the protection from Flash Lamp

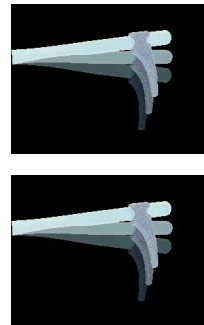
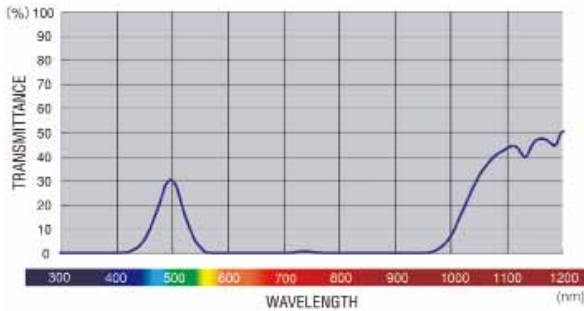
- Frame / Nylon & elastomer
- Lens / Polycarbonate
- Specification / Can be worn over the prescription glasses / Elastomer cushion / Adjustable temple angle
- Size / W163 x H70 x D167



IPL-717SC

Higher protection glasses from Flash Lamp

- Frame / Nylon & elastomer
- Lens / Polycarbonate
- Specification / Can be worn over the prescription glasses / Upper & lower elastomer cushion covers / Adjustable temple angle
- Size / W163 x H70 x D167



The angle of the frame can be adjusted to conform to the contour of the wearer's face

Safety Eyeguard

We have a variety of products which protect from many kinds of light source such as for rejuvenation (removing wrinkles and speckles) laser, medical laser and flash lamp treatment.



YL-800

- Color of eyecups / black
- Rubber strap with adjuster (detachable)
- Nose bridge sizes: S/1, M/1, L/1
- One spare strap
- Comes with stowage box



YL-8001CE

- Color of eyecups / white
- Rubber strap with adjuster (detachable)
- Comes with M sized nose bridge (Spare nose parts of S, L and XL)
- One spare strap
- Comes with stowage box



YL-800BK

- Color of eyecups / black
- Rubber strap with adjuster (detachable)
- Comes with M sized nose bridge (Spare nose parts of S, L and XL)
- One spare strap
- Comes with stowage box

