

# YL-130



Ergonomic elastomer cushion 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

# YL-760



Good cushioned soft nose pads & bar

Flexible temples are angle adjustable

- 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

## 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

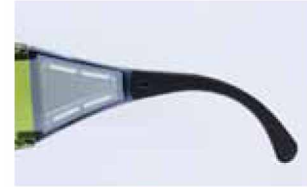
## YL-335



- 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	-

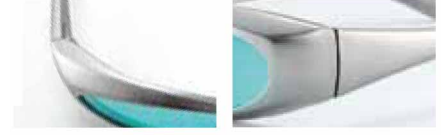
### C Laser absorption type and Application for Multi band laser

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

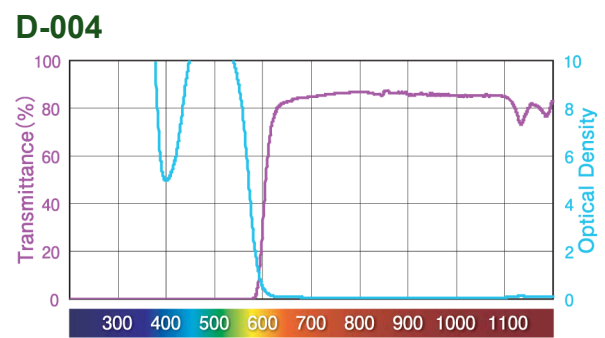
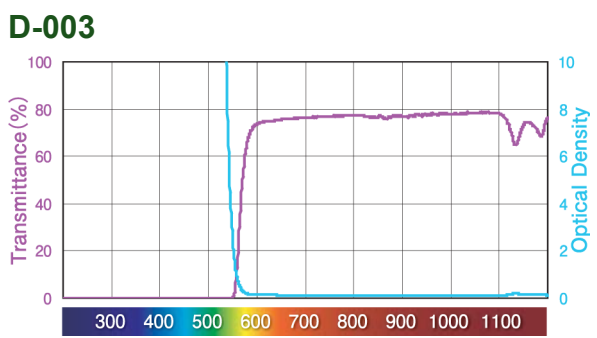
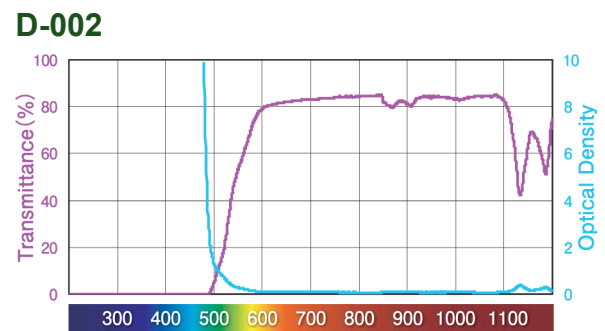
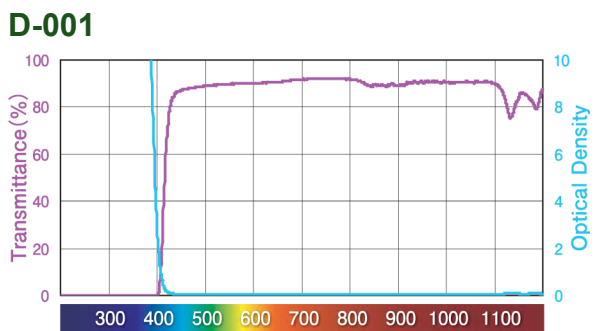
### M Type attenuation to 1/100 for alignment work

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

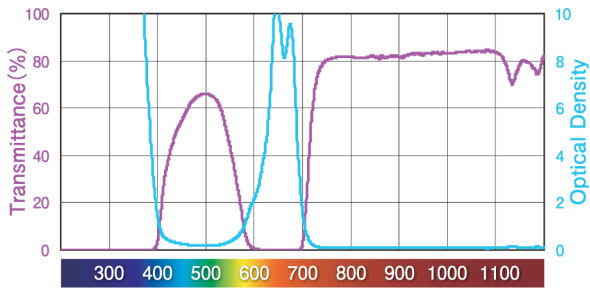


# Laser Goggles-Laser Absorption Type

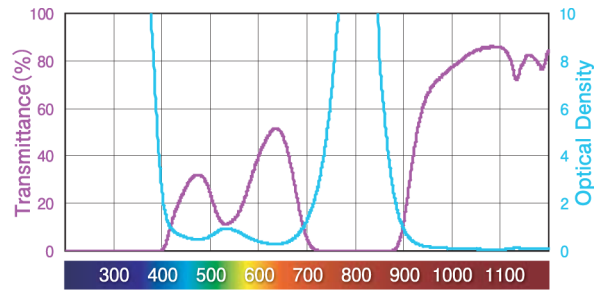
Model No.	Filter Name	Color	Luminous Transmittance	Optical Density	Frame Type
D-001	Excimer	clear	85%	Excimer: 190-380nm - 10< ArF (193nm) - 10< KrF (248nm) - 10< XeCl (308nm) - 10< Ne-N2 (334,337nm) - 10< He-Cd (325nm) - 10<	YL-130, YL-717
D-002	Excimer He/Cd	Yellow	75%	Nd-Yag (FHG): 266nm - 10< Nd-Yag (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 <sub>4</sub> : 1064nm - 6<	YL-130, YL-760, YL-717, YL-335, YL-290
D-010	CO <sub>2</sub>	Green	60%	CO <sub>2</sub> : 10600nm - 5~6<	YL-717
D-011	CO <sub>2</sub> clear	clear	85%	CO <sub>2</sub> : 10600nm - 6<	YL-335
D-031	DYE	Blue	23%	DYE: 591-598nm - 5<	YL-130



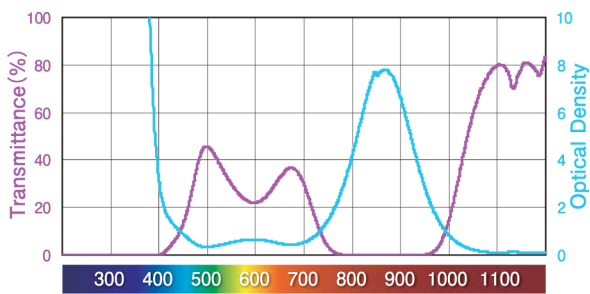
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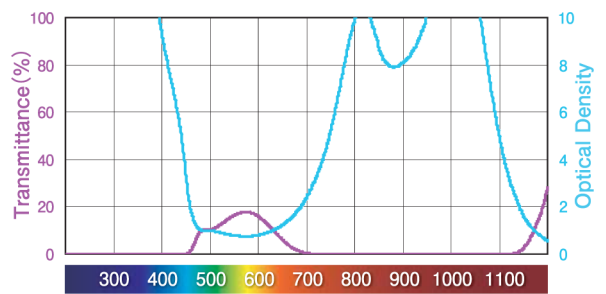
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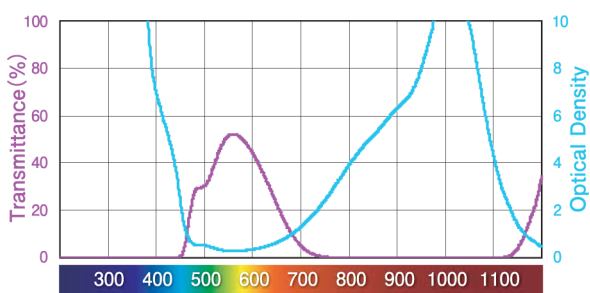
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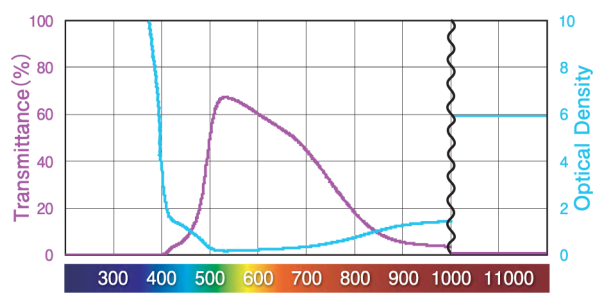
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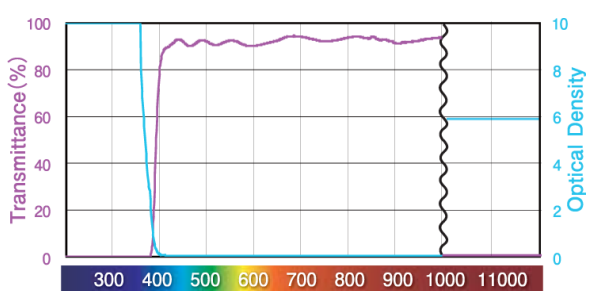
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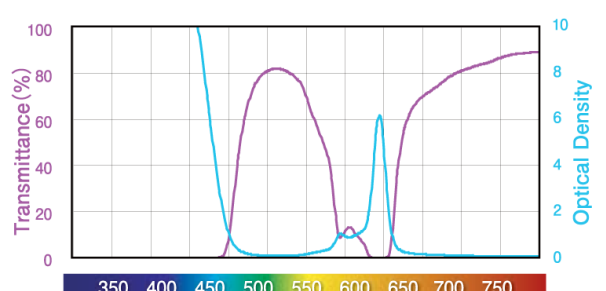
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**D-011**



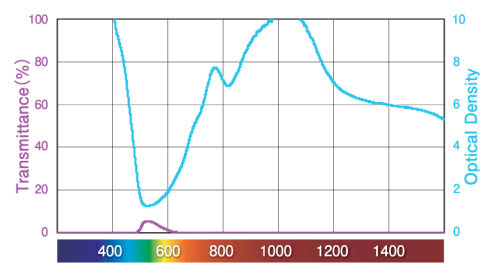
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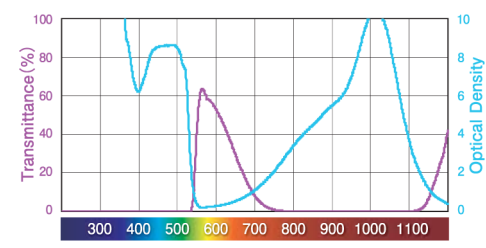
# Laser Goggles-Laser Absorption Type And Application For Multi Band Laser

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

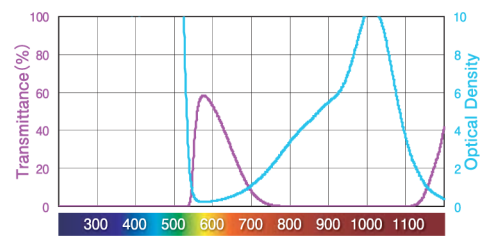
**C-012**



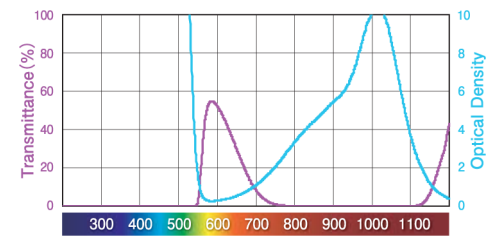
**C-013**



**C-014**



**C-015**

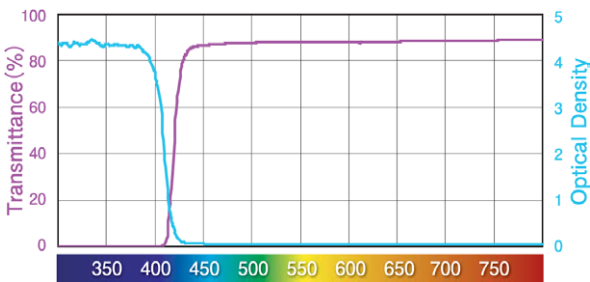




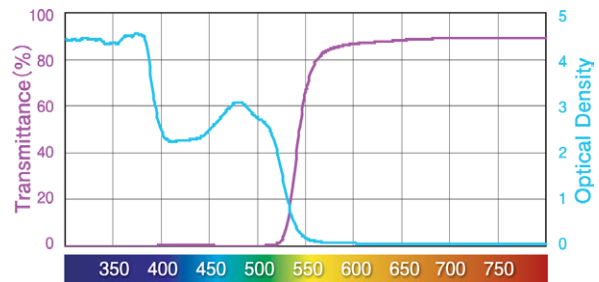
# Laser Goggles-Type Attenuation To 1/100 For Alignment Work

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

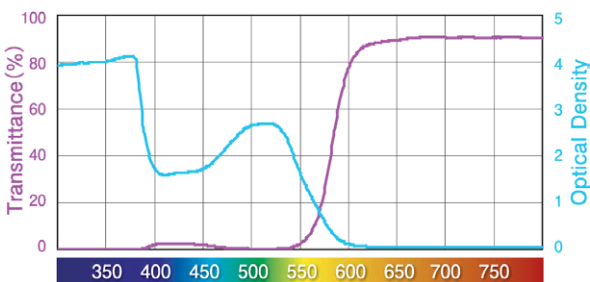
**M-016**



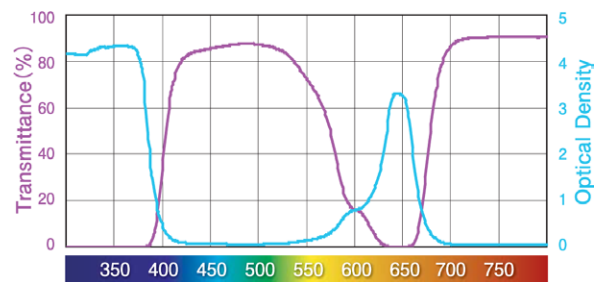
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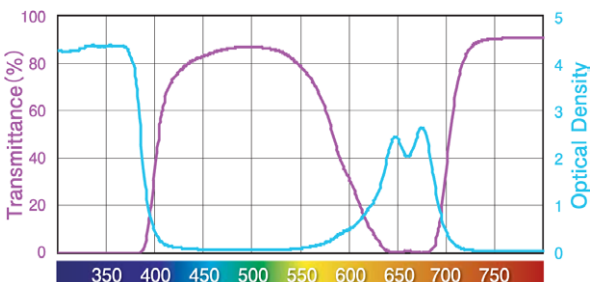
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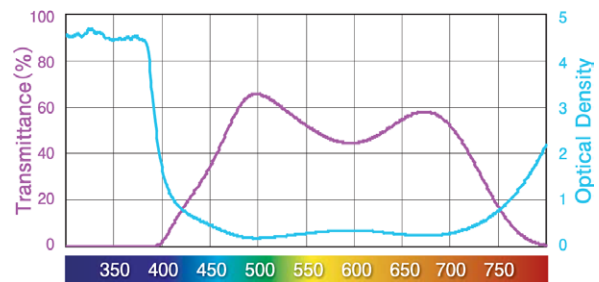
**M-019**



**M-020**

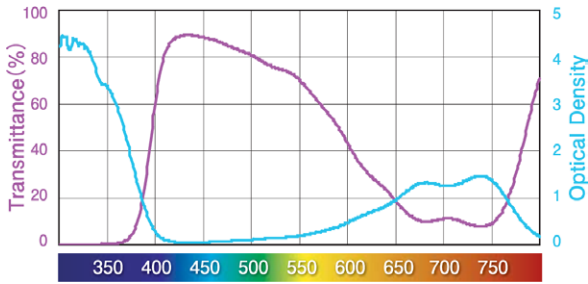


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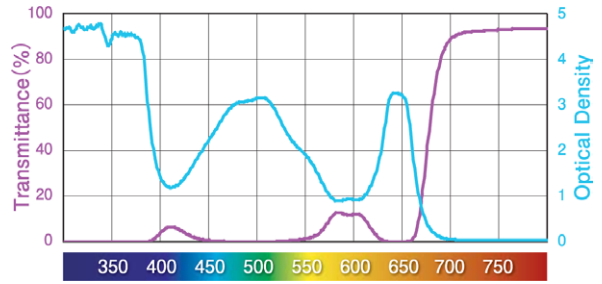


A-O Modulators  
AOTF  
E-O Modulators  
Rotators & Isolators  
Photodetectors & PSD  
Laser Apertures  
Shutters  
Laser Detectors  
Optical Chopper  
Holography Films  
Spatial Light Modulators  
Laser Safety  
Laser Speckle Reducer

M-022



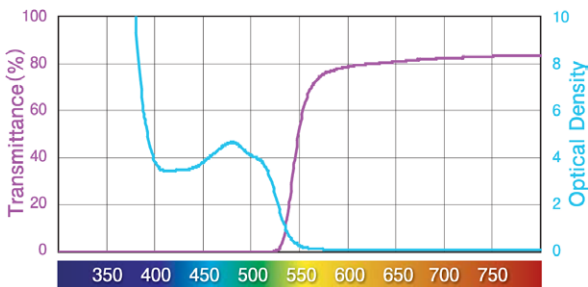
M-023



# Laser Goggles-Type Attenuation To 1/10,000 For Alignment Work

Model No.	Filter Name	Color	Luminous Transmittance	Optical Density	Frame Type
A-024	A Argon	Orange	50%	Argon: 457.9nm - 4< 488nm - 4< 514.5nm - 4<	YL-717
A-025	A NdYag(SHG)	Red	25%	Yag(SHG): 532nm - 4<	YL-717

A-024



A-025

