

Status 1st April 2016

LASER EYEWEAR WITH TRUE COLOUR VISION OR OPTIMIZED COLOUR VISION

Wavelength range*	Filter Number	Filter Description	Filter material Filter colour	Optical Density	EN 207 : 2009 certification					Frame	P/N	ANTI-FOG COATED	ANTI-SCRATCH COATED
					Wavelength nm	D LB	ILB	RLB	MLB				
IR	188	NEW GENERATION IR True Colour Vision	polymer grey 47%	OD>5 @ 1020-1050nm OD>7 @ 1050-1065nm OD>6 @ 1065-1070nm OD>5 @ 1070-1075nm OD>4 @ 1075-1085nm	>1020-1050	5	5	5	5Y	Encore (cladded)	31-21188CL <i>July from stock</i>	-	anti-scratch
					>1050-1065	6	7	7	7Y				
					>1065-1070	6	6	6	6Y	XC	31-80188 <i>May from stock</i>	anti-fog	anti-scratch
					>1070-1075	5	5	5	5Y				
					>1075-1085	4	4	4	4Y	Encore	31-21188 <i>May from stock</i>	-	anti-scratch
					>1020-1050	5	5	5	5Y				
					>1050-1065	6	7	5	6Y				
					>1065-1070	6	6	5	6Y				
				>1070-1075	5	5	5	5Y					
				>1075-1085	4	4	4	4Y					

Wavelength range*	Filter Number	Filter Description	Filter material Filter colour	Optical Density	EN 207 : 2009 certification					Frame	P/N	ANTI-FOG COATED	ANTI-SCRATCH COATED
					Wavelength nm	D LB	ILB	RLB	MLB				
IR	186	NEW GENERATION IR True Colour Vision	polymer grey 25%	960-1070 OD >5	960 - 1070	5	-	-	-	Encore	31-21186	-	anti-scratch
										XC	31-80186	anti-fog	anti-scratch

Wavelength range*	Filter Number	Filter Description	Filter material Filter colour	Optical Density	EN 207 : 2009 certification					Frame	P/N	ANTI-FOG COATED	ANTI-SCRATCH COATED
					Wavelength nm	D LB	ILB	RLB	MLB				
IR	185	NEW GENERATION IR-Red Optimized Colour Vision	polymer grey 20%	OD>1 @ 650-665nm OD>5 @ 955-1070nm	EN208: 650-665 RB1					Encore	31-21185	-	anti-scratch
					650 - 665	1	-	-	-				
					960 - 1070	5	-	-	-	XC	31-80185	anti-fog	anti-scratch

EN 207 laser eyewear - Standard product range

Wavelength range*	Filter Number	Filter Description	Filter material Filter colour VLT	Optical Density	EN 207 : 2009 certification					Frame	P/N	ANTI-FOG COATED	ANTI-SCRATCH COATED
					Wavelength nm	D LB	ILB	RLB	MLB				
UV - IR	113	Excimer-CO2	polymer light pink 70%	190-380nm OD>9 9000-11000nm OD>5	180 - 315	7	4	4	-	LGF	31-3988	-	anti-scratch
					9000 - 11000	3	-	-	-				
UV-visible	103	Argon/KTP	polymer orange 50%	190-532nm OD7	180 - 315	8	4	4	-	XC	31-80103	anti-fog	anti-scratch
					>315 - 532	6	7	7	-				
					180 - 315	8	4	4	-	Flex Seal	31-70103	anti-fog	anti-scratch
					>315 - 532	6	7	7	-				
					180 - 315	8	4	4	-	LGF	31-30103	-	anti-scratch
					>315 - 532	6	7	7	-				
					180 - 315	8	4	4	-	Encore	31-21103	-	anti-scratch
>315 - 532	6	7	5	-									

					Wavelength nm	D LB	I LB	R LB	M LB				
UV-visible		Ar-Kr-Cu-Diode	glass red 16%	<i>not marked with ODs</i>	180-315	8	4	4	-	BM Low	B-S000000-4015.436		
					> 315-400	5	7	6	-				
					> 400-545	5	7	6	6Y				
					> 545-560	5	6	6	6				
					> 560-565	5	5	5	5				
					> 565-570	4	4	4	4				
					180-315	9	4	4	-	KB Low	B-205413-0000.005		
					> 315-545	5	7	7	7Y				
					> 545-560	5	6	6	6				
					> 560-565	5	5	5	5				
> 565-570	4	4	4	4									
					Wavelength nm	D LB	I LB	R LB	M LB				
visible	116	PDT	polymer blue 18%	585-605nm OD >2 610-695nm OD >4	610 - 690	4	4	-	-	Flex Seal	31-70116	anti-fog	anti-scratch
					610 - 690	4	4	-	-	LGF	31-30116	-	anti-scratch
					610 - 690	4	4	-	-	Encore	31-21116	-	anti-scratch
					Wavelength nm	D LB	I LB	R LB	M LB				
visible-IR	115	Ruby Plus	polymer violet 16%	689-782nm OD>7 681-789nm OD>5	681 - <689	5	5	5	-	LGF	31-30115		anti-scratch
					689 - 782	5	7	7	-				
					>782 - 789	5	5	5	-				
					Wavelength nm	D LB	I LB	R LB	M LB				
visible-IR	128	Therapy	polymer green 12%	630 - 730nm OD>4 770 - 1070nm OD>4	630-730	4	4	4	-	Encore	31-21128		anti-scratch
					770-1070	4	4	4	-				
					Wavelength nm	D LB	I LB	R LB	M LB				
visible-IR	160	Therapy II	polymer green 28%	650-660nm OD>2 785-950nm OD>4 951-1064nm OD>5	650 - 660	2	-	-	-	Encore	31-21160		anti-scratch
					785 - 950	4	4	4	-				
					810 + 904	5	5	5	-				
					951 - 1065	5	5	5	-				
					Wavelength nm	D LB	I LB	R LB	M LB				
visible-IR	106	Alexandrite	polymer pink 35%	705-715nm OD>3 755nm OD>7 715-810nm OD>4	715 - 721	4	4	-	-	LGF	31-3990		anti-scratch
					722 - 773	5	6	-	-				
					774 - 780	4	4	-	-				
					Wavelength nm	D LB	I LB	R LB	M LB				
visible-IR	102	High Transmission Nd:YAG + Harmonics	polymer light brown 35%	190-532nm OD7 800-839nm OD3 840-864nm OD>4 865-1063nm OD>5 1064nm OD7	315-532	5	6	6	-	XC	31-80102	anti-fog	anti-scratch
					800-839	3	3	3	-				
					840 - 864	4	4	4	-				
					865-1063	5	5	5	-				
					1064	6	7	7	-				
					Wavelength nm	D LB	I LB	R LB	M LB				
UV-visible-IR	171	YAG/KTP OD8	polymer brown 22%	190-532nm OD>8 1070-1080nm OD>6 845-899nm OD>5 820-844nm OD>4 900-1070nm OD>8	190 - 315	8	4	4	-	XC	31-80171	anti-fog	anti-scratch
					315 - 532	6	8	8	8				
					900 - 925	6	7	7	7				
					>925 - 1065	6	8	8	8				
					>1065 - 1080	6	6	6	6				
					190-315	8	4	4	-	Rio	31-23171		anti-scratch
					>315-532	6	8	8	8Y				
					900-925	6	7	7	7Y				
					>925-1065	6	8	8	8Y				
					>1065-1080	6	6	6	6Y				

					<i>Wavelength nm</i>	<i>D LB</i>	<i>I LB</i>	<i>R LB</i>	<i>M LB</i>				
UV-visible-IR	111	Argon/NdGa	polymer brown 8%	190-520nm OD>9 521-532nm OD>7 710-749nm OD>3 750-799nm OD>5 800-1080nm OD>8 10600nm OD>5	190-315	8	4	4	-	XC	31-80111	anti-fog	anti-scratch
					>315-532	6	7	7	7				
					>750 - 800	5	5	5	5				
					> 800-1080	6	8	8	8				
					LGF	31-3983	-	anti-scratch	190-315	8	4	4	-
									>315-532	6	7	7	7
									710 - 750	3	3	3	3
									>750 - 800	5	5	5	5
					Flex Seal	31-70111	anti-fog	anti-scratch	>800 - 1080	6	8	8	8
									190-315	8	4	4	-
									>315-532	6	7	7	7
									710 - 750	3	3	3	3
					<i>Wavelength nm</i>	<i>D LB</i>	<i>I LB</i>	<i>R LB</i>	<i>M LB</i>				
IR	104	Diode 1	polymer light pink >40%	780-840nm OD>7 755-855nm OD>4	780 - 840	5	7	7	6	LGF	31-3986	-	anti-scratch
					780-840	5	7	5	6	Encore	31-21104	-	anti-scratch
					<i>Wavelength nm</i>	<i>D LB</i>	<i>I LB</i>	<i>R LB</i>	<i>M LB</i>				
IR	182	Alex-Diode-YAG	polymer green-brown 32%	OD>6 @ 755-765nm OD>6 @ 800-815nm OD>6 @ 1064nm	755-765	6	6	6	-	XC	31-80182	anti-fog	anti-scratch
					800-815	6	6	6	-				
					1064	6	6	6	-				
					<i>Wavelength nm</i>	<i>D LB</i>	<i>I LB</i>	<i>R LB</i>	<i>M LB</i>				
UV-IR	162	High Transmission HT-YAG & Diodes	polymer green 57%	200-400nm OD>8 401-415nm OD>5 800-825nm OD>6 920-1064nm OD>6 10600nm OD>6	315 - 400	6	6	6	6	XC	31-80162	anti-fog	anti-scratch
					800 - 825	6	6	6	5				
					>825-835	5	5	5	5				
					910 - 920	5	5	5	5				
					>920 - 1064	6	6	6	6				
					10600	3	3	-	-				
					LGF	31-30162	-	anti-scratch	315 - 400	6	6	6	6
									800 - 825	6	6	6	-
									>825 - 835	5	5	5	-
									>920 - 1064	6	6	6	6
									10600	3	3	-	-
					Encore	31-21162	-	anti-scratch	315-400	6	6	5	6
									800-825	6	6	5	-
									>825 - 835	5	5	5	-
									910-920	5	5	5	5
>920-1064	6	6	5	6									
10600	3	3	-	-									
					<i>Wavelength nm</i>	<i>D LB</i>	<i>I LB</i>	<i>R LB</i>	<i>M LB</i>				
IR	40	Crystal Clarity 755-2850nm	glass/dielectric light grey 72%	755 - 810 OD>5 950-2300nm OD>4 1040-1550nm OD>5 2850-10600nm OD>4 10600nm OD>5	755 - 810	5	5	5	-	Encore	B-21040	-	-
					950 - 1040	4	4	4	-				
					>1040 - 1400	5	5	5	-				
					>1400 - 2300	4	4	-	-				
					>2850 - 3000	4	4	-	-				
					>3000 - 11000	3	3	-	-				

					Wavelength nm	D LB	I LB	R LB	M LB				
IR	70	Diode-Nd:YAG	glass light blue >50%	690-1320nm OD>5 720-1220nm OD>7						Encore	B-21070	-	-
					720-1220	6	6	5	6				
					Wavelength nm	D LB	I LB	R LB	M LB				
IR	137	High Transmission HT-YAG	polymer yellow-green 55%	841-869nm OD>4 870-919nm OD>5 920 - 1064nm OD>7 10600nm OD>7	810 - 840	3	3	3	-	Rio	31-23137	-	anti-scratch
					841 - 869	4	4	4	-				
					870 - 919	5	5	5	-				
					920 - 1064	5	7	7	-				
					9000 - 11000	3	3	-	-	XC	31-80137	anti-fog	anti-scratch
					900 - 919	5	5	5	-				
					920 - 1065	5	7	7	-				
					870 - 919	5	5	5	-				
					920 - 1064	5	7	5	-	Encore	31-21137	-	anti-scratch
					9000 - 11000	3	3	-	-				
					870 - 919	5	5	5	-				
					920 - 1064	5	7	7	-				
9000 - 11000	3	3	-	-	LGF	31-30137	-	anti-scratch					
870 - 919	5	5	5	-									
920 - 1064	5	7	7	-									
9000 - 11000	3	3	-	-									
					Wavelength nm	D LB	I LB	R LB	M LB				
IR	188	NEW GENERATION IR True Colour Vision	polymer grey 47%	OD>5 @1020-1050nm OD>7 @ 1050-1065nm OD>6 @ 1065-1070nm OD>5 @ 1070-1075nm OD>4 @ 1075-1085nm	>1020-1050	5	5	5	5Y	Encore (cladded)	31-21188CL <i>July from stock</i>	-	anti-scratch
					>1050-1065	6	7	7	7Y				
					>1065-1070	6	6	6	6Y	XC	31-80188 <i>May from stock</i>	anti-fog	anti-scratch
					>1070-1075	5	5	5	5Y				
					>1075-1085	4	4	4	4Y	Encore	31-21188 <i>May from stock</i>	-	anti-scratch
					>1020-1050	5	5	5	5Y				
					>1050-1065	6	7	5	6Y				
					>1065-1070	6	6	5	6Y				
>1070-1075	5	5	5	5Y									
>1075-1085	4	4	4	4Y									
					Wavelength nm	D LB	I LB	R LB	M LB				
IR	186	NEW GENERATION IR True Colour Vision	polymer grey 25%	960-1070 OD >5	960 - 1070	5	-	-	-	Encore	31-21186	-	anti-scratch
										XC	31-80186	anti-fog	anti-scratch
					Wavelength nm	D LB	I LB	R LB	M LB				
IR	170	YAG-Diode OD8	polymer yellow-green 45%	875-1075nm OD>8 1076-1080nm OD>7 910-1066nm OD>8 1067-1082nm OD>6	920 -1065	6	8	8	8	XC	31-80170	anti-fog	anti-scratch
					>1065 -1080	6	6	6	6				
					920-1065	6	8	8	8Y	Rio	31-23170	-	anti-scratch
					>1065-1080	6	6	6	6Y				
					Wavelength nm	D LB	I LB	R LB	M LB				
IR	108	NdGa:YAG	polymer green 32%	770-810nm OD>5 810-1100nm OD>7 1064nm OD>10	770 - 1100	5	-	-	-	Flex Seal	31-70108	anti-fog	anti-scratch
					770 - 810	5	5	5	-				
					>810 - 1080	5	7	7	-				
					9000 - 11000	3	3	-	-	LGF	31-3982	-	anti-scratch
					770 - 1100	5	-	-	-				
					770 - 810	5	5	5	-				
>810 - 1080	5	7	7	-									
9000 - 11000	3	3	-	-									

					Wavelength nm	D LB	I LB	R LB	M LB									
IR	96	Nd:YAG-Ho-Er-CO2	glass grey 75%	950-1000nm OD>6 1000-1060nm OD>7 1060-1400nm OD>8 1400-2600nm OD>4 2600-2800nm OD>3 2800-11000nm OD>4	>950-1000	6	6	6	6	Rio	B-23096	-	-					
					>1000-1060	6	7	7	7Y									
					>1060-1400	6	8	8	8Y									
					>1400-2600	4	4	-	-									
					>2600-2800	3	3	-	-									
					>2800-11000	4	4	-	-									
					>950-1040	4	4	4	-	New York	B-61096	-	-					
					>1040-1400	5	5	5	-									
					>1400-2300	4	4	-	-									
					2850 - 3000	4	4	-	-									
					>3000-11000	3	3	-	-	Encore	B-21096	-	-					
					>950-1000	6	6	5	6									
					>1000-1400	6	7	5	6Y									
					>1400-2600	4	4	-	-									
					>2600-11000	3	3	-	-	LS6 Goggle	B-LS696	-	-					
					>950-1000	6	6	6	-									
>1000-1060	6	7	7	-														
>1060-1400	6	8	8	-														
>1400-2600	4	4	-	-														
>2600-2800	3	3	-	-														
>2800-11000	4	4	-	-														
					Wavelength nm	D LB	I LB	R LB	M LB									
IR		Nd:YAG-Ho-Er-CO2	glass grey >70%	not marked with ODs	900-1000	5	5	5	-	BM Light	B-205436-9415.004	-	-					
					> 1000-1030	7	7	7	7Y									
					> 1030-1400	7	8	8	8Y									
					> 1400-2500	5	5	5	-									
					> 2500-2800	4	4	4	-									
					> 2800-3000	5	5	5	-									
					9000-11500	5	5	-	-	KB AL	B-205480-9006.004	-	-					
					900-1000	5	5	5	-									
					> 1000-1030	7	7	7	7Y									
					> 1030-1400	7	8	8	8Y									
					> 1400-2500	5	5	5	-									
					> 2500-2800	4	4	4	-									
					> 2800-3000	5	5	5	-									
					9000-11500	5	5	-	-									
										Wavelength nm	D LB	I LB	R LB	M LB				
					IR	107	Diode 804-1755	polymer green 16%	804-1300nm OD>3 1064nm OD>5 1300 - 1700nm OD>4 1700 - 1900nm OD2	804 - 1400	3	3	3	-	LGF	31-2219	-	anti-scratch
1064	5	5	5	5														
>1400 - 1700	3	3	3	-														
>1700 - 1900	2	2	2	-														
804 - 1400	3	3	3	-						Encore	31-21107	-	anti-scratch					
1064	5	5	5	5														
> 1400 - 1700	3	3	-	-														
>1700 - 1900	2	2	-	-														
					Wavelength nm	D LB	I LB	R LB	M LB									
IR	131	High Transmission Erbium - Diode	polymer yellow 72%	810nm OD>6 808 - 820nm OD 5 821 - 830nm OD>3 2775 - 3780nm OD>7	808 - 810	5	6	-	-	LGF	31-30131	-	anti-scratch					
					2775 - 3000	3	3	-	-									
					808 - 810	5	6	-	-	Encore	31-21131	-	anti-scratch					
					821 - 830	3	3	-	-									
					2775 - 3000	3	3	-	-									

					Wavelength nm	D LB	I LB	R LB	M LB				
IR	183	CO2	polymer clear 90%	9000-11000nm OD>5	9000 - 11000	4	4	-	-	Rio	31-23183	-	anti-scratch
					Wavelength nm	D LB	I LB	R LB	M LB				
IR	100	CO2	polymer clear >89%	9000-11000nm OD>5 10600 OD>7	9000 - 11000	4	4	-	-	XC	31-80100	anti-fog	anti-scratch
					9000 - 11000	3	3	-	-	LGF	31-3984	-	anti-scratch
					9000 - 11000	3	3	-	-	Encore	31-21100	-	anti-scratch
					Wavelength nm	D LB	I LB	R LB	M LB				
IR	9	CO2	glass clear 90%	9000-11000nm OD>5	9000-11000	5	5	-	-	Rio	B-23009	-	-
				not marked with ODs	9000-11500	5	5	-	-	BM Light	B-S000000-3014.437	-	-
					9000-11500	5	5	-	-	KB AL	B-205480-9008.003	-	-

EN 208 Alignment eyewear

Wavelength range*	Filter	Filter material Filter colour VLT	Optical Density	EN 208 : 2009 certification		Frame	P/N	ANTI-FOG COATED	ANTI-SCRATCH COATED	
				wavelength	EN 208 protection level RB					
visible	179	Alignment 405	polymer light yellow 85%	405 OD 2 - 3	405	RB 2	Rio	31-23179	-	anti-scratch
visible		Argon	polymer orange 27%	not marked with ODs	400-520	RB 2	BM Low	B-S000000-1012.476	-	-
							KB Low	B-S000000-1012.477	-	-
visible		Argon-YAG (2x)	polymer orange 25%	not marked with ODs	488-532	RB 2	BM Low	B-205637-0000.000	-	-
							KB Low	B-205612-0000.000	-	-
visible	168	Laser Sunglass	polymer bronze 18%	532nm OD>1 630-670nm OD>1	515-538 630-< 643 >662-670	RB 1	XC	31-80168	anti-fog	anti-scratch
						RB 1				
						RB 1				
visible	166	Green laser pointer	polymer salmon 43%	532nm OD>2	530-535	RB 2	XC	31-80166	anti-fog	anti-scratch
visible	151	532 align	polymer orange-brown 65%	532 OD 3-4	532	RB 3	Encore	31-21151	-	anti-scratch
EN 207 and EN 208 protection levels:										
visible	155	1064 + 532 align	polymer orange-brown 34%	532 OD 3 - 3.5 1064 OD7	1064 532	D LB6 + IR LB7 RB 3	XC	31-80155	anti-fog	anti-scratch

visible	178	Alignment 630 - 670	polymer green 20%	630 - 670 OD 2-3	630 - 670	RB 2	Rio	31-23178	-	anti-scratch
IR	185	NEW GENERATION IR-Red Optimized Colour Vision	polymer grey 20%	OD>1 @ 650-665nm OD>5 @ 955-1070nm	650-665	RB1	Encore	31-21185	-	anti-scratch
					650 - 665	DLB1				
					960 - 1070	DLB5	XC	31-80185	anti-fog	anti-scratch
visible	135	Red Diode	polymer light blue 52%	625 - 680 OD 1 - 2	625-680	RB 1	LGF	31-30135	-	anti-scratch
visible		Kr-Diode	polymer blue 10%	not marked with ODs	540-650	RB 1				
							KB Low	B-S000000-1012.481	-	-
visible		Diode-HeNe	glass/ dielectric blue 30%	not marked with ODs	600-700	RB 2	BM Low	B-S000000-1012.486	-	-
							KB Low	B-S000000-1012.487	-	-

EN 207 Laser patient eye protection

Wavelength range*	Product	Filter colour	EN 207 : 2009 certification						P/N	ANTI-FOG COATED	ANTI-SCRATCH COATED
			Wavelength nm	D LB	ILB	RLB	MLB				
visible-IR	LASER-Aid	opaque	24 pairs per box (price per box)	315-1400	6	7	7	-	31-8300	-	-
				1400 - 11000	4	4	-	-			
visible-IR	LED-Aid	opaque	50 pairs per box (price per box)	315 - 1400	4	4	4	-	31-8400	-	-
				Wavelength nm	D LB	ILB	RLB	MLB			
UV-visible-IR	I-Block II	opaque		>315 - 1400	7	8	8	-	31-7420	-	-
				> 1400 - 11000	4	4	-	-			
UV-visible-IR	SpectraShield: black	opaque		400 - 900	6	7	7	8	31-7309	-	-
				>900 - 1400	7	8	8	8			
				>1400 - 11000	4	4	4	-			
	SpectraShield: white			400 - 900	6	7	7	8	31-7316	-	-
				>900 - 1400	7	8	8	8			
				>1400 - 11000	4	4	4	-			
visible	116	SpectraView PDT	blue	Wavelength nm	D LB	ILB	RLB	MLB	31-73116CE	-	anti-scratch

IPL products

For use with IPL systems only.

IPL-Aid and IPL-Shades are certified in accordance with ISO 12609-1 "Eyewear for protection against intense light sources used on humans and animals for cosmetic and medical applications"

	Product	Filter colour	Packaging	P/N	ANTI-FOG COATED	ANTI-SCRATCH COATED	
IPL	IPL-LightSpeed 2	light stage: green	Pouch with cleaning cloth and headband.	31-91900	-	anti-scratch	
	IPL-Aid	opaque	50pairs per box	<i>Price per box</i>	31-9300	-	
	IPL-Shade, LGF style	green	Carton, headband and cleaning cloth	<i>Price per piece</i>	31-9623	-	anti-scratch
		medium green			31-30141	-	anti-scratch
		dark green			31-9624	-	anti-scratch
	IPL-Shade, XC style	green	Pouch with cleaning cloth and headband (no insert).	<i>Price per piece</i>	31-80133	anti-fog	anti-scratch
		medium green			31-80141	anti-fog	anti-scratch
		dark green			31-80134	anti-fog	anti-scratch
Corrective insert for XC		10pcs/shipping box	<i>Price per piece</i>	B-1011410	-	-	

Microdermabrasion products

Provides a physical barrier to protect the client's eye during facial procedures such as micro dermabrasion, peelings.

The following products offer NO laser protection, NO LED protection and NO IPL protection.

	Product	Filter colour	Packaging	P/N	ANTI-FOG COATED	ANTI-SCRATCH COATED
Microderm	Derm-Aid	opaque	50 pairs per box	<i>Price per box</i>	31-7300	-

Glass windows

Wavelength range*	Filter	Filter material Filter colour VLT	EN 207 : 2009 certification				P/N	Size	ANTI-SCRATCH COATED	
				<i>Wavelength nm</i>	<i>D LB</i>	<i>I LB</i>	<i>R LB</i>	<i>M LB</i>		
IR	Nd:YAG Medium	Glass greenish grey 70%	940-970	4	4	4	-	B-104580-0200.100	200mmx100mmx5,8mm	
			> 970-1020	5	5	5	-			
			> 1020-1400	6	6	6	-			
			> 1400-3000	4	4	4	-			
IR	Nd:YAG High	Laminated glass greenish grey 72%	900-1000	5	5	5	-	B-110640-0200.100	200mmx100mmx 6,4mm	
			> 1000-1030	7	7	7	7Y			
			> 1030-1400	7	8	8	8Y			
			> 1400-2500	5	5	5	-			
			> 2500-2800	4	4	4	-	B-110640-0297.210	297mmx210mmx6,4mm	
			> 2800-3000	5	5	5	-			
			9000-11500	5	5	-	-			

Smaller sizes are possible : Please request a quotation for your size.

Polymer windows

EN 207 : 2009 certification

Wavelength range*	Filter	Filter material Filter colour VLT	Optical Density	EN 207 : 2009 certification					P/N	FORMAT	ANTI-SCRATCH COATED
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The following polymer windows are certified to EN 207 and carry the CE mark. They are also certified to EN 12254 (Screens for laser working places) :

					EN 207 : 2009 certification							
					Wavelength nm	D LB	I LB	R LB	M LB			
IR	Nd:YAG	Polymer green 63%	805 - 840 OD >3 841 - 870 OD > 4 871 - 920 OD >5 921 - 1064 OD >6 1064 - 1070 OD>5 10600 OD>8	805 - 840	3	3	3	-	B-LWIN-YAG	ca. 600mm x 910mm x 3mm	anti-scratch	
				>840 - 870	4	4	4	-				
				>870 - 920	5	5	5	-				
				>920 - 1064	5	6	6	-				
				805 - 840	3	3	3	-	B-LWIN-YAG/CO23X4	ca. 1200mm x 910mm x 3mm	anti-scratch	
				>840 - 870	4	4	4	-				
				>870 - 920	5	5	5	-				
				>920 - 1064	5	6	6	-				

Made to Order : Laser safety eyewear

The following products are available with a lead time of normally 6-7 weeks. Lead time will be confirmed when order is placed.

Order of single units is possible

Wavelength range*	Filter Number	Filter Description	Filter material Filter colour VLT	Optical Density	EN 207 : 2009 certification					Frame	P/N	ANTI-FOG COATED	ANTI-SCRATCH COATED					
					Wavelength nm	D LB	I LB	R LB	M LB									
UV-visible		RGB	glass orange 12%	<i>not marked with ODs</i>	315-540	4	4	4	4	BM Low	B-S000000-4017.436	-	-					
					620-740	4	4	4	4									
					315-540	4	4	4	4	KB Low	B-205413-0000.007	-	-					
					620-740	4	4	4	4									
visible	124	Dye	polymer blue 25%	591 - 597nm OD> 4.9 592-596nm OD > 5.2	591 - 597	3	4	-	-	LGF	31-30124	-	anti-scratch					
					315 - 430 D LB4	4	-	-	-	Encore	31-21174	-	anti-scratch					
visible-IR	174	405-1070nm with alignment	polymer green 21%	OD>4 @ 405 & 670nm OD 2-3 @ 635-638nm OD>3 @ 650-655nm OD>4 @ 670nm OD>2 @ 785nm OD>5 @ 810nm OD>6 @ 905nm	635 - 645 D LB2	2	-	-	-									
					>645 - <670 D LB3	3	-	-	-									
					670 D LB4	4	-	-	-									
					>670 - 685 D LB2	2	-	-	-									
					785 - 800 D LB4	4	-	-	-									
					>800 - 900 D LB5	5	-	-	-									
					>900 - 1070 D LB6	6	-	-	-									
					635 + 638 EN 208: RB2	-	-	-	-									
					visible-IR		Kr-Diode	glass blue 22%	<i>not marked with ODs</i>					600-635	2	2	2	-
										> 635-665	3	3	3	-				
> 665-710	4	4	4	-														
> 710-900	5	5	5	-														
> 900-1000	4	4	4	-														
> 1000-1100	3	3	3	-														

					Wavelength nm	D LB	I LB	R LB	M LB				
IR		Diode-Nd:YAG	glass light blue 63%	<i>not marked with ODs</i>	680-700	3	3	3	3Y	BM Low	B-S000000-4013.436	To be discontinued. Only available as long as stock lasts.	
					> 700-720	4	4	4	4Y				
					> 720-750	5	5	5	5Y				
					> 750-1100	5	7	6	6Y				
					> 1100-1200	5	6	6	-				
					> 1200-1260	4	4	4	-				
					680-700	3	3	3	3Y	KB Low	B-205413-0000.002	-	
					> 700-720	4	4	4	4Y				
					> 720-750	5	5	5	5Y				
					> 750-770	5	7	7	7Y				
> 770-1090	5	8	8	7Y									
> 1090-1200	5	6	6	6Y									
> 1200-1260	4	4	4	4Y									
					Wavelength nm	D LB	I LB	R LB	M LB				
visible	106	Alexandrite	polymer pink 35%	705-715nm OD>3	715 - 721	4	4	-	-	Flex Seal	31-70106	anti-fog anti-scratch	
				755nm OD>7	722 - 773	5	6	-	-				
				715-810nm OD>4	774 - 780	4	4	-	-				
					Wavelength nm	D LB	I LB	R LB	M LB				
IR	104	Diode 1	polymer light pink >40%	780-840nm OD>7	780-840	5	7	7	6	Rio	31-23104	-	anti-scratch
				755-855nm OD>4						Flexseal	31-70104	anti-fog	anti-scratch
					Wavelength nm	D LB	I LB	R LB	M LB				
Visible-IR	181	645 - 1065	polymer green 22%	400-440 OD>3	400 - 440	3	-	-	-	Encore	31-21181	-	
				645-665 OD>3	645 - 665	3	-	-	-				
				658 OD>4	658	4	-	-	-				
				775-950 OD>4	775 - 950	4	4	4	-	Rio	31-23181	-	
				810 + 904 OD>5	810 + 904	5	5	5	-				
				>950-1065 OD>5	>950 - 1065	5	5	5	-				
					Wavelength nm	D LB	I LB	R LB	M LB				
Visible-IR	184	blue, red IR	polymer green 21%	OD>5 @ 435-450nm	435-450	5	-	-	-	Encore	31-21184	-	
				OD>3 @ 450-455nm	>450-455	3	-	-	-				
				OD>1 @ 650-665nm	650-665	1	-	-	-	XC	31-80184	-	
				OD>5 @ 955-1075nm	960-1070	5	-	-	-				
					Wavelength nm	D LB	I LB	R LB	M LB				
UV-visible-IR	111	Argon/NdGa	polymer brown 8%	190-520nm OD>9	190-315	8	4	4	-	Encore	31-21111	-	
				521-532nm OD>7	>315-532	6	7	5	-				
				710-749nm OD>3	710 - 750	3	3	3	3				
				750-799nm OD>5	>750 - 800	5	5	5	5				
				800-1080nm OD>8	>800 - 1080	6	7	5	-				
				10600nm OD>5	190 - 315	8	4	4	-	Rio	31-23111	-	
					>315 - 532	6	7	7	7				
					710 - 750	3	3	3	3				
					>750 - 800	5	5	5	5				
					>800 - 1080	6	8	8	8				

					Wavelength nm	D LB	I LB	R LB	M LB				
UV-visible-IR		Nd:YAG + Harmonics	glass reddish brown 26%	not marked with ODs	180-315	8	4	4	-	BM Low	B-S000000-4013.447		
					> 315-400	5	5	5	-				
					> 400-532	5	5	5	5				
					900-980	3	3	3	3				
					> 980-1040	4	4	4	4				
					> 1040-1100	5	5	5	5				
					> 1100-1400	5	5	5	-				
					180-315	9	4	4	-				
> 315-532	5	5	5	5	KB Low	B-205713-0000.001							
900-980	3	3	3	3									
> 980-1040	4	4	4	4									
> 1040-1400	5	5	5	5									
					Wavelength nm	D LB	I LB	R LB	M LB				
IR	162	High Transmission HT-YAG & Diodes	polymer green 57%	200-400nm OD>8 401-415nm OD>5 800-825nm OD>6 920-1064nm OD>6 10600nm OD>6	315 - 400	6	6	6	6	Flex Seal	31-70162		anti-scratch
					800 - 825	6	6	6	-				
					>825 - 835	5	5	5	-				
					910 - 920	5	5	5	5				
					>920 - 1064	6	6	6	6				
					10600	3	3	-	-				
					Wavelength nm	D LB	I LB	R LB	M LB				
IR	40	Crystal Clarity 755-2850nm	glass/dielectric light grey 72%	755 - 810nm OD>5 950-2300nm OD>4 1040-1550nm OD>5 2850-10600nm OD>4 10600nm OD>5	755 - 810	5	5	5	-	New York	B-61040		
					950 - 1040	4	4	4	-				
					>1040 - 1400	5	5	5	-				
					>1400 - 2300	4	4	-	-				
					>2850 - 3000	4	4	-	-				
					>3000 - 11000	3	3	-	-				
					Wavelength nm	D LB	I LB	R LB	M LB				
IR		Nd:YAG-Ho-Er-CO2	glass grey >70%	not marked with ODs	900-940	5	5	5	5Y	BM Low	B-205437-9001.002		
					> 940-1000	5	6	6	6Y				
					> 1000-1100	5	7	6	6Y				
					> 1100-1400	5	7	6	-				
					> 1400-3000	3	2	-	-				
					9000-10600	3	2	-	-				
					900-940	5	5	5	5Y	KB Low	B-205415-0000.002		
					> 940-1000	5	6	6	6Y				
					> 1000-1400	5	8	8	7Y				
					> 1400-3000	3	4	-	-				
					9000-11500	3	4	-	-				
					Wavelength nm	D LB	I LB	R LB	M LB				
IR	131	High Transmission Erbium - Diode	polymer yellow 72%	810nm OD > 6 808 - 820nm OD > 5 821 - 830nm OD > 3 2775 - 3780nm OD > 7	808 - 810	5	6	-	-	XC	31-80131	anti-fog	anti-scratch
					821 - 830	3	3	-	-				
					2775 - 3000	3	3	-	-				
					Wavelength nm	D LB	I LB	R LB	M LB				
IR	100	CO2 clear	polymer clear >89%	9000-11000nm OD>5 10600 OD>7	9000 - 11000	3	3	-	-	Flexseal	31-70100	anti-fog	anti-scratch

Made to Order : Polymer Windows

The following products are available with a longer lead time of normally 6-10 weeks - lead time to be confirmed when order is placed.
 The following polymer windows are not CE marked. If they are used as a construction part then CE marking may not be necessary.
 Order of single units is possible

Wavelength range*	Window/ Filter	Filter material Filter colour VLT	Optical Density	Size	P/N	ANTI-FOG COATED	ANTI-SCRATCH COATED
UV-visible	Argon, KTP	Polymer orange 37%	200-532nm OD 4-5	ca. 600mm x 910mm x 3mm	B-LWIN-ARGON/KTP	-	
UV-visible-IR	Nd:YAG & harmonics Argon, KTP	Polymer brown 32%	200-532 OD 4-5 1064nm OD>5	ca. 600mm x 910mm x 3mm	B-LWIN-YAG/KTP	-	
IR	YAG Fibre	Polymer green 50%	900 - 1080 OD7 1081 - 1100 OD4	ca. 600mm x 910mm x 3mm	B-LWIN-YAG-FIBER	-	
IR	IR-Diode	Polymer green 22%	808 nm OD>3 830-970nm OD>4 970-1100nm OD>6 1100-1700nm OD>4	ca. 600mm x 910mm x 3mm	B-LWIN-IR-DIODE	-	

Laser-Gard Barrier System for optical tables

Wavelength range*	Size	Spacing of first hole from edge of table	EN 12254 certification					P/N	Filter material Filter colour	Note
			Wavelength nm	D AB	I AB	R AB	M AB			
UV-visible-IR	PANEL, STANDARD PANEL, ADJUSTABLE CORNER SUPPORT, 12-25mm MIDDLE SUPPORT, 12-25mm CORNER SUPPORT, 37-50mm MIDDLE SUPPORT, 37-50mm	all	315 - 1400 1400 - 11000	6	8	9	9	B-LBP-COMMON	Material: Aluminium with special coating to disperse incident light Colour: Black, opaque	Ask for our software tool to calculate your requirement
		all						B-LBP-ADJUST		
		½" (12.5mm) or 1" (25mm)						B-LBS-C01		
		1½" (37mm) or 2" (50mm)						B-LBS-M01		
		1½" (37mm) or 2" (50mm)						B-LBS-C02		
								B-LBS-M02		

Laser protective curtains: Ask us for further details and a quotation!

*Wavelength range is a guideline only: please check exact protection levels and suitability.

If you do not find the product you need in this list, then please contact us: This list is not exhaustive.

Subject to change without notice.

For product specifications as well as technical specifications please refer to our product catalogue, as amended from time to time, which can be found on our website at:

http://www.honeywellsafety.com/Europe/Products-by-Hazard/Laser_and_IPL_Light.aspx