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LASERS, OPTICS, ELECTRONICS. MADE IN GERMANY.

1/9

# POLARIZATION OPTICS PRODUCT LIST

#### For inquiries and pricing please contact us at sales@alphalas.com

Product list effective from 2023-05-01. Specifications are subject to change without prior notice. No responsibility for typing or print errors.

Pol	larization (	Optics	
• -			
Item	Part Number	Description	Price
		Polarizers (Glan-Taylor, Thin-Film & Rochon)	
1.	PO-GTC-20-4	Glan-Taylor-Prism, calcite	contact us
		air-spaced, for high-power lasers, 320-2300 nm, aperture Ø20 mm,	
		4 polished exits, with housing Ø32x38 mm, no coating	
2.	PO-GTC-16-4	Glan-Taylor-Prism, calcite	contact us
		air-spaced, for high-power lasers, 320-2300 nm, aperture Ø16 mm,	
		4 polished exits, with housing Ø32x35 mm, no coating	
3.	PO-GTC-10-4	Glan-Taylor-Prism, calcite	contact us
		air-spaced, for high-power lasers, 320-2300 nm, aperture Ø10 mm,	
		with housing Ø25 mm, no coating	
4.	PO-GTC-10-	Glan-Taylor-Prism, calcite	contact us
	AR1064	air-spaced, for high-power lasers, 250-2300 nm, aperture Ø10 mm,	
		with housing Ø25 mm, AR-coated broadband 1064 nm	
5.	PO-GTC-6-FS-	Glan-Taylor-Prism, best optical quality calcite material,	contact us
	AR800	air-spaced, pulse broadening for 50 fs pulses at 800 nm: 2.4% only,	
		aperture Ø6.0 mm, with housing Ø15 mm, broadband AR-coating	
		760 to 840 nm	
6.	PO-GTB-10-4	Glan-Taylor-Prism, Alpha-BBO material	contact us
		air-spaced, for high-power lasers, 220-300 nm, aperture Ø10 mm,	
		in a housing Ø25.4*31 mm, with 2 lateral exits	
7.	PO-GTB-15-4	Glan-Taylor-Prism, Alpha-BBO material	contact us
		air-spaced, for high-power lasers, 220-300 nm, aperture Ø15 mm,	
		in a housing Ø30*35 mm, with 2 lateral exits	
8.	PO-GTB-20-4	Glan-Taylor-Prism, Alpha-BBO	contact us
		air-spaced, for high-power lasers, 220-300 nm, aperture Ø20 mm, in	
		a housing Ø35*35 mm, with 2 lateral exits	
9.	PO-GTY-10-4	Glan-Taylor-Prism, YVO4 material	contact us
		air-spaced, for high-power lasers, 500-4000 nm,	
		aperture 10x10 mm, in a housing Ø25.4*25 mm, with 2 lateral exits	
10.	PO-GTY-15-4	Glan-Taylor-Prism, YVO4 material	contact us
		air-spaced, for high-power lasers, 500-4000 nm,	
		aperture 15x15 mm, in a housing Ø30*32 mm, with 2 lateral exits	
11.	PO-RO-8-MGF	Rochon Polarizer, MgF <sub>2</sub> , Extinction Ratio <1x10 <sup>-5</sup>	contact us
		broadband 150 - 6000 nm, aperture $\emptyset$ 8 mm, separation angle 1.8°	
12.	PO-RO-B-10-	Rochon Polarizer, material: best VUV-quality MgF <sub>2</sub> , Extinction	contact us
	MGF	Ratio <1x10 <sup>-5</sup> , broadband 150 - 6000 nm, air-spaced for high power	
		applications, internal surfaces at Brewster angle, aperture $\breve{\emptyset}10$ mm.	
		separation angle @633 nm: 8.8 mrad, (0.5°), @193 nm: 9.1 mrad	
		$(0.52^{\circ})$ . Housing dimensions: $\varnothing$ 25.0 mm, length 15.0 mm	



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13.	PO-RO-10-MGF	<b>Rochon Polarizer</b> , MgF <sub>2</sub> , Extinction Ratio <1x10 <sup>-5</sup>	contact us
		broadband 150 - 6000 nm, aperture $\emptyset$ 10 mm, separation angle 1.8°	
		Housing dimensions: Ø25.4 mm, length 31 mm	
14.	PO-RO-15-MGF	Rochon Polarizer, MgF <sub>2</sub> , Extinction Ratio <1x10 <sup>-5</sup>	contact us
		broadband 150 - 6000 nm, aperture $\emptyset$ 15 mm, separation angle 1.8°	
15.	PO-RO-20-MGF	<b>Rochon Polarizer</b> , MgF <sub>2</sub> , Extinction Ratio <1x10 <sup>-5</sup>	contact us
		broadband 150 - 6000 nm, aperture Ø20 mm, separation angle 1.8°	
16.	PO-RO-10-Q	<b>Rochon Polarizer</b> , quartz, Extinction Ratio <1x10 <sup>-5</sup> ,	contact us
		range 180 - 2800 nm, aperture $\emptyset$ 10 mm, separation angle 1.6°	
17.	PO-RO-15-Q	<b>Rochon Polarizer</b> , quartz, Extinction Ratio <1x10 <sup>-5</sup> ,	contact us
		range 180 - 2800 nm, aperture $\varnothing$ 15 mm, separation angle 1.6°	
18.	PO-RO-20-Q	<b>Rochon Polarizer</b> , quartz, Extinction Ratio <1x10 <sup>-5</sup> ,	contact us
		range 180 - 2800 nm, aperture $\varnothing$ 20 mm, separation angle 1.6°	
19.	PO-RO-10-BBO	<b>Rochon Polarizer</b> , α-BBO, Extinction Ratio <1x10 <sup>-6</sup> ,	contact us
		range 190 - 3500 nm, aperture $\varnothing$ 10 mm, separation angle 8°	
20.	PO-RO-15-BBO	<b>Rochon Polarizer</b> , α-BBO, Extinction Ratio <1x10 <sup>-6</sup>	contact us
		range 190 - 3500 nm, aperture Ø15 mm, separation angle 8°	
21.	PO-RO-20-BBO	<b>Bochon Polarizer</b> <i>a</i> -BBO Extinction Ratio <1x10 <sup>-6</sup>	contact us
		range 190 - 3500 nm, aperture $\emptyset$ 20 mm, separation angle 8°	
22	PO-RO-10-YVO	<b>Rochon Polarizer</b> YVO4 Extinction Ratio <1x10 <sup>-5</sup>	contact us
		range 400 - 4000 nm, aperture $\emptyset$ 10 mm, separation angle 10°	oontaot ao
23	PO-RO-15-YVO	Rochon Polarizer VV/04 Extinction Ratio <1x10 <sup>-5</sup>	contact us
20.		range 400 - 4000 nm, aperture $\emptyset$ 15 mm, separation angle 10°	oontaot as
24	PO-RO-20-YVO	<b>Bochon Polarizer</b> YVO4 Extinction Ratio <1x10 <sup>-5</sup>	contact us
27.		range $400 - 4000$ nm aperture $\emptyset$ 20 mm separation angle $10^{\circ}$	oontaot as
25	PO-PBS-8	Polarizing Beamsplitting Cube	contact us
_0.		550-700 nm. aperture 8 mm diameter	contact de
26.	PO-TFP-248-27-	Thin-Film Polarizer.	contact us
	50	248 nm, 27x50 mm, angle of incidence 57°	
27.	PO-TFP-266-27-	Thin-Film Polarizer.	contact us
	50	266 nm, 27x50 mm, angle of incidence 45°	
28.	PO-TFP-308-27-	Thin-Film Polarizer,	contact us
	50	308 nm, 27x50 mm, angle of incidence 57°	
29.	PO-TFP-1064-	Thin-Film Polarizer,	contact us
	27-12	1064 nm, 27x12 mm, angle of incidence 56°	
		Standard Waveplates & Components	
		Retardation accuracy: λ/300, surface quality: 20-10 scratch-digs,	
		wavefront distortion: $\lambda$ /10, beam deviation: max. 5 arcsec, AR-coated R<0.25%	
30.	PO-ZWP-L2-12-	Zero-Order ( $\lambda/2$ ) Waveplate,	contact us
	[WAVELENGTH]	optically contacted, AR-coated, aperture 12x12 mm, without holder	
		Wavelength, nm: Please specify [WAVELENGTH] in nm from the	
		following: 800, 914, 946, 1030, 1047, 1053, 1064, 1319, 1342, 1550	
31.	PO-ZWP-L2-6-	Zero-Order ( $\lambda/2$ ) Waveplate,	contact us
	[WAVELENGTH]	optically contacted, AR-coated, aperture 6x6 mm, without holder	
		wavelength, nm: Please specify [WAVELENGTH] in nm from the	
00		TOHOWING: 800, 914, 946, 1030, 1047, 1053, 1064, 1319, 1342, 1550	
32.	PO-ZVVP-L4-12-	Zero-Order ( $\lambda$ /4) Waveplate,	contact us
	IWAVELENGIH	optically contacted, AR-coated, <b>aperture 12x12 mm</b> , without holder	
		wavelength, nm: Please specify [WAVELENGTH] in nm from the	
	1	1010wing: 800, 914, 946, 1030, 1047, 1053, 1064, 1319, 1342, 1550	



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33.	PO-ZWP-L4-6-	Zero-Order (λ/4) Waveplate,	contact us
	[WAVELENGTH]	optically contacted, AR-coated, aperture 6x6 mm, without holder	
		Wavelength, nm: Please specify [WAVELENGTH] in nm from the	
		following: 800, 914, 946, 1030, 1047, 1053, 1064, 1319, 1342, 1550	
34.	PO-ZWP-DW-	Zero-Order DUAL-WAVELENGTH Phase Retardation Plate,	contact us
	2/1-12-	best for tripling arrangements of CW to femtosecond lasers,	
	[WAVELENGTH]	retardation for fundamental <b>F:</b> λ/2 (half-wave),	
		for second-harmonic <b>SH:</b> λ/ <b>1</b> (full-wave),	
		optically contacted, AR-coated, aperture 12x12 mm, without holder	
		Fundamental wavelength, nm:	
		Please specify fundamental [WAVELENGTH] in nm from the	
		following: 800, 914, 946, 1030, 1047, 1053, 1064, 1319, 1342, 1550	
35.	PO-ZWP-DW-	Zero-Order DUAL-WAVELENGTH Phase Retardation Plate,	contact us
	2/1-6-	best for tripling arrangements of CW to femtosecond lasers,	
	[WAVELENGTH]	retardation for fundamental <b>F: λ/2</b> (half-wave),	
		for second-harmonic <b>SH:</b> λ/ <b>1</b> (full-wave),	
		optically contacted, AR-coated, aperture 6x6 mm, without holder	
		Fundamental wavelength, nm:	
		Please specify fundamental [WAVELENGTH] in nm from the	
		following: 800, 914, 946, 1030, 1047, 1053, 1064, 1319, 1342, 1550	
36.	PO-ZWP-DW-	Zero-Order DUAL-WAVELENGTH Phase Retardation Plate,	contact us
	4/2-12-	best for tripling arrangements of CW to femtosecond lasers,	
	[WAVELENGTH]	retardation for fundamental <b>F:</b> $\lambda$ / <b>4</b> (quarter-wave),	
		for second-harmonic <b>SH:</b> λ/ <b>2</b> (half-wave),	
		optically contacted, AR-coated, aperture 12x12 mm, without holder	
		Fundamental wavelength, nm:	
		Please specify fundamental [WAVELENGTH] in nm from the	
		following: 800, 914, 946, 1030, 1047, 1053, 1064, 1319, 1342, 1550	
37.	PO-ZWP-DW-	Zero-Order DUAL-WAVELENGTH Phase Retardation Plate,	contact us
	4/2-6-	best for tripling arrangements of CW to femtosecond lasers,	
	[WAVELENGTH]	retardation for fundamental <b>F:</b> λ/4 (quarter-wave),	
		for second-harmonic <b>SH:</b> λ/ <b>2</b> (half-wave),	
		optically contacted, AR-coated, aperture 6x6 mm, without holder	
		Fundamental wavelength, nm:	
		Please specify fundamental [WAVELENGTH] in nm from the	
		following: 800, 914, 946, 1030, 1047, 1053, 1064, 1319, 1342, 1550	
38.	PO-WP-HOL-25-	Holder for the Zero-Order Waveplates,	contact us
	11	aperture 11 mm, diameter 25.4 mm, black anodized aluminum	
39.	PO-WP-HOL-25-	Holder for the Zero-Order Waveplates,	contact us
	6	aperture 6 mm, diameter 25.4 mm, black anodized aluminum	
40.	PO-LWP-L4-	I ow-Order Quarter-Wave $(\lambda/4)$ Waveplate	contact us
	1064-10	1064 nm, AR/AR, guartz, aperture Ø10 mm, in a holder Ø25 mm	
41		Low-Order Quarter-Wayo (3/4) Wayonlate	contact us
41.	1064-25	1064 pm AR/AR guartz aperture 0254 mm without holder	contact us
40		Leve Order Helf Wess (2/2) Wesser Lete	a a m t a at u a
42.	PO-LVVP-L2-	Low-Order Hait-wave (X/2) waveplate,	contact us
	1004-10	1064 nm, AR/AR, quartz, aperture Ø10 mm, in a holder Ø25 mm	
43.	PO-LWP-L2-	Low-Order Half-Wave ( $\lambda/2$ ) Waveplate,	contact us
	1064-25	1064 nm, AR/AR, quartz, aperture Ø25.4 mm, without holder	
44.	PO-LWP-L4-532-	Low-Order Quarter-Wave (λ/4) Waveplate,	contact us
	10	532 nm, AR/AR, quartz, aperture Ø10 mm, in a holder Ø25 mm	



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45.	PO-LWP-L4-532-	Low-Order Quarter-Wave (λ/4) Waveplate,	contact us
	25	532 nm, AR/AR, quartz, aperture Ø25.4 mm, without holder	
46.	PO-LWP-L2-532-	Low-Order Half-Wave (λ/2) Waveplate,	contact us
	10	532 nm, AR/AR, quartz, aperture Ø10 mm, in a holder Ø25 mm	
47.	PO-LWP-L2-532-	Low-Order Half-Wave ( $\lambda/2$ ) Waveplate,	contact us
	25	532 nm, AR/AR, quartz, aperture Ø25.4 mm, without holder	
48.	PO-DWP-H1064-	Low-Order Dual Waveplate,	contact us
	F532-10	half-wave ( $\lambda/2$ ) 1064 nm, full-wave ( $\lambda/1$ ) 532 nm, AR/AR, guartz,	
		aperture Ø10 mm, in a holder Ø25 mm	
49.	PO-DWP-H532-	Low-Order Dual Waveplate.	contact us
	F1064-10	half-wave ( $\lambda/2$ ) 532 nm, full-wave ( $\lambda/1$ ) 1064 nm, AR/AR, guartz,	
		aperture Ø10 mm, in a holder Ø25 mm	
50.	PO-DWP-H1064-	Low-Order Dual Waveplate.	contact us
	F532-25	half-wave $(\lambda/2)$ 1064 nm, full-wave $(\lambda/1)$ 532 nm, AR/AR, guartz.	
		aperture Ø25.4 mm, without holder	
51.	PO-DWP-H532-	Low-Order Dual Waveplate,	contact us
	F1064-25	half-wave ( $\lambda/2$ ) 532 nm, full-wave ( $\lambda/1$ ) 1064 nm, AR/AR, guartz,	
		aperture Ø25.4 mm, without holder	
52.	M-WP-25-360	Rotation Holder for Waveplates,	contact us
		in mount 25 mm, scale 360°, division 5°, dimensions 40x40 mm	
53.	PO-FR-16	Fresnel-Rhomb, aperture 16x16 mm, glass BK7,	contact us
		application as achromatic quarter-wave ( $\lambda$ /4) waveplate	
54.	PO-FR-16-H	Fresnel-Rhomb, aperture 16x16 mm, glass BK7,	contact us
		application as achromatic quarter-wave ( $\lambda/4$ ) waveplate,	
		mounted in a holder	
55.	PO-FRZN-10	Fresnel-Rhomb, material ZnSe, aperture 10x10 mm, application as	contact us
		achromatic quarter-wave ( $\lambda/4$ ) waveplate for far infrared, standard	
		AR-coating for 10.6 μm	
		Tunable Zero-Order Phase Retardation Plates	
		Replace many conventional waveplates!	
		Mounted in the special tilt/rotation holder	
56.	PO-TWP-L4-12-	Tunable Zero-Order Quarter-Wave ( $\lambda$ /4) Phase Retardation	contact us
	UVIR	Plate, aperture Ø11 mm, thickness 2.0 mm, range 150-6000 nm,	
		uncoated, replaces many conventional waveplates! Mounted in the	
		special tilt/rotation holder. The holder is included.	
57.	PO-TWP-L4-25-	Tunable Zero-Order Quarter-Wave ( $\lambda/4$ ) Phase Retardation	contact us
	UVIR	Plate, aperture Ø24 mm, thickness 2.0 mm range 150-6000 nm,	
		uncoated, replaces many conventional waveplates! Mounted in the	
50		special tilt/rotation holder. The holder is included.	
58.	PO-1WP-L4-25-	I unable Zero-Order Quarter-Wave ( $\lambda/4$ ) Phase Retardation	contact us
		<b>Plate</b> , aperture 024 mm, inickness 5.0 mm range 500-6500 nm,	
		special tilt/rotation holder. The holder is included	
		Please use PO-TWP-I 4-25-UVIR for femtosecond nulse duration	
		applications.	
59.	PO-TWP-L2-12-	Tunable Zero-Order Half-Wave ( $\lambda/2$ ) Phase Retardation Plate	contact us
	UVIR	aperture Ø11 mm, thickness 2.5 mm. range 150-6000 nm.	20
		uncoated, replaces many conventional waveplates! Mounted in the	
		special tilt/rotation holder. The holder is included.	



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60.	PO-TWP-L2-25- UVIR	<b>Tunable Zero-Order Half-Wave (<math>\lambda</math>/2) Phase Retardation Plate</b> , aperture Ø24 mm, thickness 2.5 mm, range 150-6000 nm,	contact us
		uncoated, replaces many conventional waveplates! <i>Mounted in the</i> special tilt/rotation holder. The holder is included.	
61.	PO-TWP-L2-12-	Tunable Zero-Order Half-Wave ( $\lambda/2$ ) Phase Retardation Plate,	contact us
	IR	aperture Ø11 mm, thickness 2.5 mm, optimized for the range 500-	
		6500 nm, replaces many conventional waveplates! Mounted in the	
		special tilt/rotation holder. The holder is included.	
62.	PO-TWP-L2-25-	Tunable Zero-Order Half-Wave ( $\lambda$ /2) Phase Retardation Plate,	contact us
	IR	aperture Ø24 mm, optimized for the range 500-6500 nm, thickness	
		5 mm, replaces many conventional waveplates! Mounted in the	
		special tilt/rotation holder. The holder is included.	
		Please use PO-TWP-L2-25-UVIR for femtosecond pulse duration	
00		applications.	
63.	PO-1WP-L4-25-	Tunable Zero-Order Quarter-Wave ( $\lambda$ /4) Phase Retardation	contact us
	FIR	<b>Plate</b> , aperture $024$ mm, range 1-19 $\mu$ m, uncoated,	
		replaces many conventional waveplates! Mounted in the special	
64		Invrotation noider. The holder is included.	contact up
04.	PU-IVP-L2-25-	I unable Zero-Order Halt-wave ( $\lambda/2$ ) Phase Retardation Plate,	contact us
		apenure Ø24 mm, range 1-19 µm, uncoaled,	
		tilt/rotation holder. The holder is included	
		Tupable Zero Order Wayenlates with Adjustable	
		Phase Deterdetion & Special Eurotian Weyerlates	
05		Phase Retardation & Special Function waveplates	
65.	PO-TWP-MP-12-	I unable Phase Retardation Plate - MULTIPHASE,	contact us
	00	retardation adjustable 0 - $\lambda$ (0 to full wave), range 150-6000 nm,	
		Apendice of I min, may replace Solein-Dabinet compensator!	
66		Tunable Phase Potardation Plate MIII TIPHASE	contact us
00.		retardation adjustable $0 = \lambda$ (0 to full-wave) range 150-6000 pm	contact us
	01	aperture $\emptyset$ 24 mm, may replace Soleil-Babinet compensator!	
		Mounted in the special tilt/rotation holder. The holder is included	
67.	PO-TWP-MP-12-	Tunable Phase Retardation Plate - MULTIPHASE	contact us
••••	IR	retardation adjustable 0 - $\lambda$ (0 to full-wave), range 2000-6500 nm.	
		aperture Ø11 mm. may replace Soleil-Babinet compensator!	
		Mounted in the special tilt/rotation holder. The holder is included.	
68.	PO-TWP-MP-25-	Tunable Phase Retardation Plate - MULTIPHASE,	contact us
	IR	retardation adjustable 0 - $\lambda$ (0 to full-wave), range 2000-6500 nm,	
		aperture Ø24 mm, thickness 5 mm, may replace Soleil-Babinet	
		compensator! Mounted in the special tilt/rotation holder (included).	
69.	PO-TWP-MP-25-	Tunable Phase Retardation Plate - MULTIPHASE,	contact us
	UVIR	retardation adjustable 0 - $\lambda$ (0 to full-wave), range 150-3000 nm,	
		aperture Ø24 mm, thickness 5 mm, may replace Soleil-Babinet	
		compensator! Mounted in the special tilt/rotation holder (included)	
70.	PO-TWP-DW-	Tunable True-Zero-Order DUAL-WAVELENGTH Phase	contact us
	2/1-12-UV	Retardation Plate DUAL-WAVE®, best for tripling arrangements of	
		CW to femtosecond lasers, retardation for fundamental: $\lambda/2$ (half-	
		wave), for SH: $\lambda/1$ (full-wave), adjustable in the range 300-3000 nm	
		(fundamental), aperture Ø11 mm, patent pending.	
	1	Mounted in the special tilt/rotation holder (included)	



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71.	PO-TWP-DW-	Tunable True-Zero-Order DUAL-WAVELENGTH Phase	contact us
	4/2-12-UVIR	Retardation Plate DUAL-WAVE®, best for polarization control of	
		CW to femtosecond lasers, retardation for fundamental: $\lambda/4$	
		(quarter-wave), for SH: $\lambda/2$ (half-wave), adjustable in the range 150-	
		6000 nm, aperture Ø11 mm, patent pending.	
=0		Mounted in the special tilt/rotation holder (included)	
72.	PO-TWP-DW-	Iunable Irue-Zero-Order DUAL-WAVELENGTH Phase	contact us
	2/1-25-00	Retardation Plate DUAL-WAVE®, best for tripling arrangements of	
		Cw to remtosecond lasers, retardation for fundamental: $\lambda/2$ (naif-	
		wave), for SH: $\lambda/1$ (full-wave) adjustable in the range 300 -3000 nm	
		(fundamental), aperture Ø24 mm, patent pending.	
70		Mounted in the special tilt/rotation holder (included)	
73.		Detendetion Dist. DUAL WAVER heat for relation control of	contact us
	4/2-25-UVIR	Retardation Plate DUAL-WAVE®, best for polarization control of	
		CW to femtosecond lasers, retardation for fundamental: $\lambda/4$	
		(quarter-wave), for SH: $\lambda/2$ (half-wave) adjustable in the range 150-	
		6000 nm, aperture Ø24 mm, patent pending.	
74		Mounted in the special tilt/rotation holder (included)	
74.	PO-TWP-DW-	Iunable Irue-Zero-Order DUAL-WAVELENGTH Phase	contact us
	2/1-12-IR	Retardation Plate DUAL-WAVE®, best for trippling arrangements	
		of CW to femtosecond lasers, retardation for fundamental: $\lambda/2$ (half-	
		wave), for SH: $\lambda/1$ (full-wave), adjustable in the range 2000-6500	
		nm, aperture Ø11 mm, patent pending. <i>Mounted in the special</i>	
75		tilt/rotation holder ((included).	
75.		Iunable Irue-Zero-Order DUAL-WAVELENGTH Phase	contact us
	2/1-25-IR	Retardation Plate DUAL-WAVER, best for tripping arrangements	
		of CW to femtosecond lasers, retardation for fundamental: $\lambda/2$ (nalf-	
		wave), for SH: $\lambda/1$ (full-wave), adjustable in the range 2000-6500	
		nm, aperture Ø24 mm, patent pending.	
70			
76.	PU-ZVVP-L4-800-	<b>Frue-Zero-Order</b> $\lambda/4$ Plate,	contact us
	12-AR	thickness 2 mm, specially developed for is-11:Sapphire,	
		AR/AR 400-820 nm, apendre Ø11 mm.	
77		Truce Zerre Order 2/0 Plate	contact up
11.	PU-ZVVP-L2-800-	<b>Frue-Zero-Order</b> $\lambda/2$ -Plate,	contact us
	12-AR	Inickness 2 mm, specially developed for is-11.5apphire,	
		AR/AR 400-820 nm, apendre Ø11 mm.	
70		Truce Zere Order 2/4 Plate	contact up
10.	PU-ZVVP-L4-000-	Irue-Zero-Order A/4 Plate,	contact us
	23-AR	Inickness 2 mm, specially developed for is-11.5apphire,	
		AR/AR 400-020 mm, apendie 024 mm. Mounted in the special tilt/rotation holder (included)	
70			contact us
79.	25 AD	thiskness 2 mm specially developed for to TicSepphire	contact us
	2 <b>3-</b> AN	$\Delta P/\Delta P$ 400 820 nm, aporturo $\alpha$ 24 mm	
		Mounted in the special tilt/rotation holder (included)	
80		True Zero Order 1/4 Ploto	contact us
00.	1064-16-AR	MaEe tunable AR/AR@1064 aperture Ø16 mm suitable for	contact us
	1004-10-AIX	Nigr2, tunable ArVAR(@1004, aperture @10 mm, suitable 10	
		INU. TAG, NU. TEF, NU. Glass picosecond and remicosecond lasers	

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81.	PO-ZWP-L2-	True-Zero-Order $\lambda/2$ -Plate.	contact us
	1064-16-AR	MgF <sub>2</sub> , tunable AR/AR@1064, aperture Ø16 mm, suitable for	
		Nd:YAG, Nd:YLF, Nd:Glass picosecond and femtosecond lasers.	
		Mounted in the special tilt/rotation holder (included).	
		NEW! 90° Polarization Rotator for the Infrared	
82.	PR1-90-FIR	90° polarization rotator and 90° reflector Type 1,	contact us
		rotates the plane of polarization at 90° of horizontally or vertically	
		polarized light, in arrangement like for half-wave ( $\lambda/2$ ) delay.	
		Polarization plane rotation: 90°. Beam direction change at 90°.	
		Beam height displacement: 20 mm. Aperture diameter: 10 mm.	
		Wavelength range: 1 µm 14 µm.	
		High-power applications up to 100 W with beam diameter > 8 mm.	
		Dimensions (Width*Height*Length): 30(W)*50(H)*30(L) mm <sup>3</sup>	
83.	PR2-90-FIR	90° polarization rotator Type 2,	contact us
		rotates the plane of polarization at 90° of horizontally or vertically	
		polarized light in an arrangement like for half-wave ( $\lambda/2$ ) delay.	
		Polarization plane rotation: 90°. Beam direction <u>not changed</u> .	
		Beam displacement: vertical and horizontal 20 mm each.	
		Aperture diameter: 10 mm. Wavelength range: 1 µm 14 µm.	
		High-power applications up to 100 W with beam diameter > 8 mm.	
		Dimensions (Width*Height*Length): 50(W)*50(H)*30(L) mm <sup>3</sup>	
		NEW! Birefringent plates for Lyot filters	
		Crystal quartz or MgF <sub>2</sub>	
		Unmounted and ontionally coated	
		Diamotory 4" or 25 4 mm	
0.4		Diameter: 1 Or 25.4 mm	
84.	PO-QBF-0.5	crystal quartz birefringent plate,	contact us
		Inickness 0.5 mm, diameter 25.4 mm	
		Tronomication range: 200 pm to 2700 pm	
05			contact up
85.	PO-QBF-1	Crystal quartz birerringent plate,	contact us
		Unexpeted use introposity at Provision angle	
		Tronomiccion ronge: 200 pm to 2700 pm	
96			contact us
00.	FU-QBF-1.5	thickness 1.5 mm diameter 25.4 mm	contact us
		Lineasted use introposity at Browster angle	
		Transmission range: 200 nm to 2700 nm	
97		Crystal quartz birafringant plata	contact us
07.	FU-QBF-2	thickness 2 mm diameter 25 / mm	contact us
		Lincoated use intracavity at Brewster angle	
		Transmission range: 200 nm to 2700 nm	
88	PO-OBE-2.5	Crystal quartz hirofringent nlate	contact us
00.	1 O-QDI -2.5	thickness 2.5 mm diameter 25.4 mm	contact us
		Uncoated use intracavity at Brewster andle	
		Transmission range: 200 nm to 2700 nm	
89	PO-OBE-3	Crystal quartz birefringent plate	contact us
03.		thickness 3 mm diameter 25.4 mm	contact us
		Uncoated use intracavity at Brewster andle	
		Transmission range <sup>-</sup> 200 nm to 2700 nm	
	1		

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90.	PO-QBF-5	Crystal quartz birefringent plate,	contact us
		thickness 5 mm, diameter 25.4 mm	
		Uncoated, use intracavity at Brewster angle	
		Transmission range: 200 nm to 2700 nm	
91.	PO-QBF-6	Crystal quartz birefringent plate,	contact us
		thickness 6 mm, diameter 25.4 mm	
		Uncoated, use intracavity at Brewster angle	
		Transmission range: 200 nm to 2700 nm	
92.	PO-QBF-7	Crystal quartz birefringent plate,	contact us
		thickness 7 mm, diameter 25.4 mm	
		Uncoated, use intracavity at Brewster angle	
		Transmission range: 200 nm to 2700 nm	
93.	PO-QBF-8	Crystal quartz birefringent plate,	contact us
		thickness 8 mm, diameter 25.4 mm	
		Uncoated, use intracavity at Brewster angle	
		Transmission range: 200 nm to 2700 nm	
94.	PO-QBF-10	Crystal quartz birefringent plate,	contact us
		thickness 10 mm, diameter 25.4 mm	
		Uncoated, use intracavity at Brewster angle	
		Transmission range: 200 nm to 2700 nm	
95.	PO-QBF-AR	Optional AR-coating for crystal quartz birefringent plates	contact us
96	PO-MBE-0.5	MgE <sub>2</sub> birefringent plate.	contact us
00.		thickness 0.5 mm diameter 25.4 mm	contact as
		Uncoated use intracavity at Brewster angle	
		Transmission range: 150 nm to 6000 nm	
97	PO-MBE-1	MaE <sub>2</sub> quartz hirefringent plate	contact us
07.		thickness 1 mm diameter 25.4 mm	contact as
		Uncoated use intracavity at Brewster angle	
		Transmission range: 150 nm to 6000 nm	
98	PO-MBE-1.5	MaE <sub>2</sub> quartz hirefringent plate	contact us
00.		thickness 1.5 mm diameter 25.4 mm	contact as
		Uncoated use intracavity at Brewster angle	
		Transmission range: 150 nm to 6000 nm	
99	PO-MBE-2	MaE <sub>2</sub> quartz hirefringent plate	contact us
00.		thickness 2 mm diameter 25.4 mm	contact as
		Uncoated use intracavity at Brewster andle	
		Transmission range: 150 nm to 6000 nm	
100	PO-MBE-2.5	MgE <sub>2</sub> guartz hirefringent plate	contact us
100.		thickness 2.5 mm diameter 25.4 mm	contact do
		Uncoated use intracavity at Brewster angle	
		Transmission range: 150 nm to 6000 nm	
101	PO-MBE-3	MaE <sub>2</sub> quartz hirefringent plate	contact us
101.		thickness 3 mm_diameter 25.4 mm	contact us
		Incoated use intracavity at Brewster andle	
		Transmission range: 150 nm to 6000 nm	
102	PO-MBE-5	MaE <sub>2</sub> quartz hirefringent nlate	contact us
102.		thickness 5 mm diameter 25.4 mm	contact us
		Uncoated use intracavity at Brewster andle	
		Transmission range: 150 nm to 6000 nm	
			1

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103.	PO-MBF-6	<b>MgF₂ quartz birefringent plate,</b> thickness 6 mm, diameter 25.4 mm Uncoated, use intracavity at Brewster angle Transmission range: 150 nm to 6000 nm	contact us
104.	PO-MBF-8	<b>MgF₂ quartz birefringent plate,</b> thickness 8 mm, diameter 25.4 mm Uncoated, use intracavity at Brewster angle Transmission range: 150 nm to 6000 nm	contact us
105.	PO-MBF-10	MgF₂ quartz birefringent plate, thickness 10 mm, diameter 25.4 mm Uncoated, use intracavity at Brewster angle Transmission range: 150 nm to 6000 nm	contact us
106.	PO-MBF-AR	Optional AR-coating for MgF <sub>2</sub> birefringent plates	contact us