

PRICE LIST

Wollensak Photo and Cine Lenses,
Shutters and Accessories

Effective August 1, 1948

*Prices may be changed without notice, and are subject to any
other charges that may be imposed by any Government agency*

WOLLENSAK OPTICAL COMPANY
ROCHESTER, NEW YORK, U. S. A.

RAPTAR SERIES Ia $f/6.3-f/7.7$ (Wocoted)

CAT. NO.	SIZE INCH	EQUIV. FOCUS		FRONT FOCUS INCH	REAR FOCUS INCH	SPEED f	BARREL W/O TAX	RAPAX† W/O TAX	ALPHAX† W/O TAX	BETAX W/O TAX	TAX LENS IN BARREL	TAX LENS IN SHUTTER
		INCH	mm									
1	3 1/4 x 4 1/4	4 3/4	120	8 1/4	8 1/4	6.3	\$ 64.75	\$ 74.50	\$ 61.75		\$ 10.79	\$ 8.64
1a	3 1/4 x 4 1/4	5 1/8	130	10	8 1/4	6.8	70.50	80.25	67.50		11.75	9.59
2	4 x 5	5 3/4	146	10	10	6.3	74.00	89.50		\$ 80.75	12.34	10.16
2a	4 x 5	5 3/4	146	12 3/4	8 1/4	7.7	77.75	93.25		84.50	12.96	10.79
2b	4 x 5	6 1/2	165	12 3/4	10	6.8	80.75	96.25		87.50	13.45	11.30
3	5 x 7	7	178	15 1/2	10	7.7	93.25	117.25	110.00		15.55	13.40
3a	5 x 7	7 1/4	184	12 3/4	12 3/4	6.3	96.75	120.75	113.50		16.63	13.97
3b	5 x 8	8 1/4	210	15 1/2	12 3/4	6.8	105.50	126.50	119.25		17.59	14.92
3c	5 x 8	8 3/4	222	20	12 3/4	7.7	113.75	134.75	127.50		18.96	16.30
4	6 1/2 x 8 1/2	9	229	15 1/2	15 1/2	6.3	116.25	137.25	130.00		19.38	16.73
4a	6 1/2 x 8 1/2	10	254	20	15 1/2	6.8	138.50	159.50	152.25		23.71	20.42
4b	6 1/2 x 8 1/2	11	279	25 1/2	15 1/2	7.7	152.25		166.25		25.38	22.09
5	8 x 10	11 1/2	292	20	20	6.3	160.25		174.25		26.71	23.45
5a	8 x 10	13	330	25 1/2	20	6.8	174.25		188.25		29.04	25.78
6	10 x 12	14	356	31	20	7.7	209.75		223.75		35.38	31.67
6a	10 x 12	14 3/4	375	25 1/2	25 1/2	6.3	231.75		247.00		38.63	34.92
7	11 x 14	16 1/4	413	31	25 1/2	6.8	246.00		261.25		41.00	37.30
7a	11 x 14	17 1/2	444	31	31	6.8	267.00		282.25		44.50	40.82

RAPTAR SERIES II $f/4.5$ (Wocoted)

CATALOG NUMBER	SIZE INCH	EQUIV. FOCUS		BARREL W/O TAX	RAPAX† W/O TAX	ALPHAX† W/O TAX	BETAX W/O TAX	TAX LENS IN BARREL	TAX LENS IN SHUTTER
		INCH	mm						
000	1 x 1 1/2	2	50	\$ 27.75		\$ 22.75		\$ 4.63	\$ 2.47
00	1 5/8 x 2 1/2	3	75	30.00	\$39.75	27.00		5.00	2.84
0	2 1/4 x 3 1/4	3 1/2	90	35.25	45.00	32.25		5.88	3.70
0-1	2 1/4 x 3 1/4	4	101	41.75	51.50	38.75		6.96	4.79
1	3 1/4 x 4 1/4	5	127	43.00	58.50		\$ 49.75	7.17	5.00
*1-2	4 x 5	5 5/8	135	46.00	61.50		52.75	7.67	5.50
2	4 x 5	6 3/8	162	59.50	80.50	73.25		9.92	7.26
3	5 x 7	7 1/2	190	75.50		89.25		12.58	9.94
3a	5 x 8	8 1/4	210	108.25		122.25		18.04	14.74
4	6 1/2 x 8 1/2	9 1/2	241	147.50		161.50		24.59	21.31
5	8 x 10	11 7/8	302	193.00		208.25		32.17	28.49

*Speed $f/4.7$ RAPTAR SERIES IV $f/6.3$ (Wocoted)

CATALOG NUMBER	SIZE INCH	EQUIV. FOCUS		BARREL W/O TAX	RAPAX† W/O TAX	ALPHAX† W/O TAX	BETAX W/O TAX	TAX LENS IN BARREL	TAX LENS IN SHUTTER
		INCH	mm						
000	1 x 1 1/2	2	50	\$ 25.00		\$ 20.00		\$ 4.17	\$ 1.99
00	1 5/8 x 2	3	75	27.75		22.75		4.63	2.47
0	2 1/4 x 3 1/4	3 1/2	90	30.50		27.50		5.08	2.94
0-1	2 1/4 x 3 1/4	4	101	33.00	\$ 42.75	30.00		5.50	3.33
1	3 1/4 x 4 1/4	5	127	36.25	46.00	33.25		6.04	3.89
2	4 x 5	6 3/8	162	44.25	59.75		\$ 51.00	7.38	5.23
3	5 x 7	7 1/2	190	59.00	80.00		72.75	9.84	7.18
3a	5 x 8	8 1/4	210	77.50	98.50	91.25		12.92	10.25
4	6 1/2 x 8 1/2	9 1/2	241	93.50	114.50	107.25		15.59	12.93
5	8 x 10	11 7/8	302	115.75		133.50		19.29	16.64

RAPTAR PROCESS $f/10$ (Wocoted) AND PRISMS

CAT. NO.	EQUIV. FOCUS		PLATES COVERED FOR REDUCTION INCH	PLATES COVERED FOR FULL-SIZE COPY INCH	BARREL W/O TAX	RAPAX† W/O TAX	ALPHAX† W/O TAX	BETAX W/O TAX	TAX LENS IN BARREL	TAX LENS IN SHUTTER	*PRISMS		
	INCH	mm									SIZE	PRICE	TAX
4	10 1/4	260	6 1/2 x 8 1/2	10 x 12	\$116.25	\$140.25	\$133.00	\$123.00	\$19.38	\$17.20	2	\$105.75	\$17.63
5	14	355	8 x 10	11 x 14	152.25	173.25	166.00		25.38	22.71	2 1/2	115.50	19.25
6	16	406	10 x 12	12 x 15	183.25		197.00		30.54	27.89	3	169.75	28.29
7	19	482	12 x 15	14 x 17	212.00		226.00		35.34	32.07	3 1/2	205.25	34.21
9	25	635	16 x 20	20 x 24	302.75		318.00		50.46	46.75			

*Prisms—Not coated. Extra charge for fitting Prisms to Lenses of other makes.

Process Lenses supplied with slotted barrel and one waterhouse stop.

SERIES IIIa EXTREME WIDE ANGLE $f/12.5$ (Wocoted)

CATALOG NUMBER	SIZE INCH	EQUIV. FOCUS		ANGLE OF VIEW	BARREL W/O TAX	RAPAX† W/O TAX	ALPHAX† W/O TAX	BETAX W/O TAX	TAX LENS IN BARREL	TAX LENS IN SHUTTER
		INCH	mm							
2	4x5	3 1/2	90	84°	\$ 35.50	\$ 45.25	\$ 32.50		\$ 5.92	\$ 3.75
3	5x7	4 1/4	108	88°	39.75	55.25		\$ 46.50	6.63	4.46
5	8x10	6 1/4	159	90°	55.00	76.00	68.75		9.17	6.51

RAPTAR WIDE ANGLE $f/6.8$ (Wocoted)

CATALOG NUMBER	SIZE INCH	EQUIV. FOCUS		ANGLE OF VIEW	BARREL W/O TAX	RAPAX† W/O TAX	ALPHAX† W/O TAX	BETAX W/O TAX	TAX LENS IN BARREL	TAX LENS IN SHUTTER
		INCH	mm							
1	3 1/4 x 4 1/4	2 5/16	65	88 1/2°	\$ 52.25	\$ 62.00	\$ 49.25		\$ 8.71	\$ 6.55
2	4 x 5	3 1/2	90	84°	55.00	64.75	52.00		9.17	7.03
3	5 x 7	4 1/4	108	88°	60.75	76.25		\$ 67.50	10.13	7.98

Prices of lenses in Shutters for not include wire releases.

†For Synchromatic Rapax and Alphax, see page 4.

RAPTAR ENLARGING f/4.5 (Wocoted)

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CATALOG NUMBER	SIZE INCH	EQUIV. FOCUS		BARREL W/O TAX	TAX
		INCH	mm		
000	1 1/4 x 1 5/8	2	50	\$ 18.75	\$ 3.13
00	2 1/4 x 2 1/4	3	75	21.50	3.58
0	2 1/4 x 3 1/4	3 1/2	90	23.75	3.96
0-1	2 1/4 x 3 3/4	4	101	27.50	4.58
1	3 1/4 x 4 1/4	5	127	34.50	5.75
1-2	4 x 5	5 5/8	135	39.50	6.58
2	4 x 5	6 3/8	162	48.50	8.08
3	5 x 7	7 1/2	190	67.50	11.25
3a	5 x 8	8 1/4	210	96.25	16.04
4	6 1/2 x 8 1/2	9 1/2	241	122.50	20.42

SPECIAL ADAPTER for fitting above 2", 3" and 3 1/2" Focus Lenses to Lecia Enlargers \$2.25

RAPTAR TELEPHOTO f/5.6 (Wocoted)

CATALOG NUMBER	SIZE INCH	EQUIV. FOCUS		BARREL W/O TAX	RAPAX† W/O TAX	ALPHAX† W/O TAX	TAX LENS IN BARREL	TAX LENS IN SHUTTER
		INCH	mm					
1	2 1/4 x 3 1/4	8	202	\$ 89.50	\$105.00		\$ 14.92	\$ 12.75
2	3 1/4 x 4 1/4	10	254	120.00	141.00	\$133.75	20.00	17.34
3	4x5 4x5 5x7	15	380	172.50		\$186.50	28.75	25.46

RAPTAR CINE LENSES (Wocoted) AND FILTERS FOR 8mm MOVIE CAMERAS

EQUIV. FOCUS		SPEED f	FOCUSING MOUNT W/O TAX	IRIS DIAPHRAGM BARREL W/O TAX	TAX	FILTER ANY COLOR W/O TAX	TAX ON FILTER
INCH	mm						
1/2	13	1.9	\$47.50 31.6	\$17.50	\$ 7.92	\$ 2.50	\$.42
1/2	13	2.5			3.00	4.00	.67
1	25	2.5	42.75		7.13	4.00	.67
1 1/2	38	3.5	47.50 31.6		7.92	4.00	.67

WIDE ANGLE ATTACHMENT (Wocoted) for 13 mm focus lenses \$29.75 W/O Tax. Tax \$4.96.

RAPTAR CINE LENSES (Wocoted) AND FILTERS FOR 16mm MOVIE CAMERAS

EQUIV. FOCUS		SPEED f	FOCUSING MOUNT W/O TAX	IRIS DIAPHRAGM BARREL W/O TAX	TAX	FILTER ANY COLOR W/O TAX	TAX ON FILTER
INCH	mm						
1 1/16	17	2.7	\$47.50(1)	\$32.50(2)	\$7.92(1) \$5.42(2)	\$ 4.00	\$.67
1	25	1.5	79.50		13.25	4.00	.67
1	25	1.9	52.50		8.75	4.00	.67
1	25	2.5	42.75(1)	22.50(2)	7.13(1) 3.75(2)	4.00 new 2.50 old	.67(1) .42(2)
2	50	1.5	110.00		18.34	5.70	.95
2	50	3.5	47.50		7.50	4.00	.67
3	75	4.	55.00		8.34	4.00	.67
4	101	4.5	60.00		10.00	4.00	.67
6	152	4.5	82.50		13.75	5.70	.95

Supplied in either "A" mount (5mm) or "C" mount (4.2mm) thread.

ADAPTER to fit 16mm lenses to 8mm cameras. \$3.00.

STANDARD FLANGES

THREAD DIAM. INCH	PRICE	TAX	THREAD DIAM. INCH	PRICE	TAX	THREAD DIAM. INCH	PRICE	TAX
5/8" to 1"	\$1.00	.....	2 9/16" to 3"	\$2.50	.....	4 1/16" to 4 1/2"	\$4.00	.....
1 1/16" to 2"	1.50	.....	3 1/16" to 3 1/2"	3.00	.....	4 1/16" to 5 1/2"	5.00	.....
2 1/16" to 2 1/2"	2.00	.....	3 9/16" to 4"	3.50	.....			

Available for Wollensak Mountings only.

LENS CAPS

INSIDE DIAM.	PRICE	TAX	INSIDE DIAM.	PRICE	TAX	INSIDE DIAM.	PRICE	TAX
1" and under	\$.95	.....	3" and under	\$1.60	.....	5" and under	\$2.30	.....
2" and under	1.30	.....	4" and under	2.15	.....	Over 5"	2.55	.....

ACCESSORIES

	TAX		TAX
Diaphragm scales, per set.....	\$1.50	7" cable releases, W/O Tax.....	\$1.00
Wocote Lens Cleaning Tissue (100 sheets).....	.35	10" cable releases, W/O Tax.....	1.50
Wocote Lens Cleaner, per bottle.....	.35	18" cable releases, W/O Tax.....	3.00
Electrical connecting cords for Synchromatic Rapax shutters..	1.75	30" cable releases, W/O Tax.....	4.50
			.75

RAPAX SHUTTER

SIZE	MAXIMUM DIAPHRAGM OPENING		LENS MOUNT THREAD DIAMETER		SPEEDS	FLANGE DIAMETER		PRICE	TAX
	INCH	mm	FRONT INCHES	REAR INCHES		INSIDE, INCHES	OUTSIDE, INCHES		
1	$\frac{35}{32}$	20	$\frac{31}{32}$	$1\frac{1}{32}$	1 to $\frac{1}{400}$	$1\frac{5}{32}$	$1\frac{11}{16}$	\$22.75	.....
2	1	25.4	$1\frac{1}{4}$	$1\frac{1}{4}$	1 to $\frac{1}{400}$	$1\frac{13}{16}$	$1\frac{7}{8}$	28.50	.....
3	$1\frac{1}{4}$	32	$1\frac{35}{64}$	$1\frac{37}{64}$	1 to $\frac{1}{200}$	$1\frac{5}{8}$	$2\frac{13}{32}$	37.00	.....

Prices do not include wire releases.

SYNCHROMATIC-RAPAX SHUTTERS with full synchronization for "F" and "M" type lamps. Also "X" setting for use with Electronic High Speed Lamps such as Kodatron and Wabash Electroflash, available in No. 1, No. 2 and No. 3 sizes \$17.50 extra.

"X" TYPE SYNCHROMATIC-RAPAX SHUTTERS for use with Electronic High Speed Lamps, such as Kodatron, and Wabash Electroflash. For press and commercial use, in No. 2 and No. 3 sizes \$7.50 extra.

ALPHAX SHUTTER

SIZE	MAXIMUM DIAPHRAGM OPENING		LENS MOUNT THREAD DIAMETER		SPEEDS	FLANGE DIAMETER		PRICE	TAX
	INCH	mm	FRONT INCHES	REAR INCHES		INSIDE, INCHES	OUTSIDE, INCHES		
0	$\frac{35}{64}$	14	$\frac{51}{64}$	$\frac{55}{64}$	$\frac{1}{10}$ to $\frac{1}{200}$	$\frac{15}{16}$	$1\frac{15}{32}$	\$ 8.00	.....
1	$\frac{47}{64}$	18.7	$\frac{15}{16}$	$1\frac{1}{64}$	$\frac{1}{10}$ to $\frac{1}{200}$	$1\frac{5}{32}$	$1\frac{13}{16}$	10.00	.....
3	$1\frac{3}{8}$	34.9	$1\frac{51}{64}$	$1\frac{55}{64}$	1 to $\frac{1}{100}$	$1\frac{51}{64}$	$2\frac{21}{32}$	29.75	.....
*4	$1\frac{3}{4}$	44.7	$2\frac{27}{64}$	$2\frac{27}{64}$	$\frac{1}{2}$ to $\frac{1}{50}$	$2\frac{19}{32}$	$3\frac{17}{32}$	33.75	.....
*5	$2\frac{7}{32}$	56.7	$2\frac{15}{16}$	$2\frac{15}{16}$	$\frac{1}{2}$ to $\frac{1}{50}$	$3\frac{3}{32}$	$4\frac{5}{64}$	37.50	.....

Prices do not include wire releases.

*SYNCHRONIZATION \$10.00 extra—list.

BETAX

SIZE	MAXIMUM DIAPHRAGM OPENING		LENS MOUNT THREAD DIAMETER		SPEEDS	FLANGE DIAMETER		PRICE	TAX
	INCH	mm	FRONT INCHES	REAR INCHES		INSIDE, INCHES	OUTSIDE, INCHES		
2	1	25.4	$1\frac{15}{64}$	$1\frac{15}{64}$	$\frac{1}{2}$ to $\frac{1}{100}$	$1\frac{19}{64}$	$1\frac{7}{8}$	\$19.75	.....

Prices do not include wire releases.

LENS BARRELS

SIZE	MAXIMUM DIAPHRAGM OPENING		LENS MOUNT THREAD DIAMETER		FLANGE DIAMETER		PRICE	TAX
	INCH	mm	FRONT INCHES	REAR INCHES	INSIDE, INCHES	OUTSIDE, INCHES		
000	$\frac{5}{32}$	4	$\frac{35}{64}$	$\frac{31}{64}$	$\frac{5}{8}$	$1\frac{5}{64}$	\$13.00	.....
00	$\frac{19}{64}$	7	$\frac{41}{64}$	$\frac{37}{64}$	1	$1\frac{17}{32}$	13.00	.....
0	$\frac{5}{8}$	16	1	$\frac{55}{64}$	$\frac{61}{64}$	$1\frac{29}{32}$	13.00	.....
1	$\frac{51}{64}$	20	$1\frac{15}{64}$	$1\frac{5}{64}$	$1\frac{3}{16}$	$1\frac{11}{16}$	13.00	.....
2	$\frac{7}{8}$	22	$1\frac{15}{64}$	$1\frac{15}{64}$	$1\frac{1}{2}$	$1\frac{55}{64}$	13.00	.....
3	$1\frac{1}{16}$	27	$1\frac{15}{32}$	$1\frac{15}{32}$	$1\frac{19}{32}$	$2\frac{25}{32}$	13.00	.....
4	$1\frac{1}{8}$	33	$1\frac{51}{64}$	$1\frac{51}{64}$	2	$2\frac{21}{32}$	16.00	.....
5	$1\frac{3}{16}$	39	$2\frac{3}{64}$	$2\frac{3}{64}$	$2\frac{1}{4}$	$2\frac{53}{64}$	16.00	.....
6	$1\frac{5}{16}$	45	$2\frac{27}{64}$	$2\frac{27}{64}$	$2\frac{5}{8}$	$3\frac{35}{64}$	19.75	.....
7	$2\frac{1}{32}$	56	$2\frac{15}{16}$	$2\frac{15}{16}$	$3\frac{1}{8}$	$4\frac{5}{64}$	22.25	.....
8	$2\frac{3}{32}$	67	$3\frac{27}{64}$	$3\frac{27}{64}$	$3\frac{41}{64}$	$4\frac{5}{8}$	52.50	.....
9	$3\frac{9}{64}$	80	$3\frac{57}{64}$	$3\frac{57}{64}$	$4\frac{1}{8}$	$5\frac{1}{4}$	55.00	.....
10	$3\frac{7}{8}$	98	$4\frac{3}{4}$	$4\frac{3}{4}$	$4\frac{47}{64}$	$6\frac{5}{64}$	57.50	.....

SUNRAY 117 PROJECTION LENSES FOR 8mm (Wocoted)

FOCUS INCH	mm	SPEED f	MOUNT DIAMETER INCHES	PRICE	TAX
$\frac{3}{4}$	19	1.8	$\frac{7}{8}$ or $1\frac{1}{16}$	\$12.50	.....
1	25	1.6	$\frac{7}{8}$ or $1\frac{1}{16}$	12.50	.....
$1\frac{1}{2}$	38	2.	$\frac{7}{8}$ or $1\frac{1}{16}$	16.00	.....

PLEASE SPECIFY PROJECTOR FOR WHICH LENS IS INTENDED.

SUNRAY 107 PROJECTION LENSES FOR 16mm (Wocoted)

FOCUS INCH	mm	SPEED f	MOUNT DIAMETER INCHES	PRICE	TAX
$\frac{1}{2}$	12.7	2.4	$1\frac{3}{16}$	\$17.50	.....
$\frac{5}{8}$	16	2.4	$1\frac{9}{16}$	17.50	.....
$\frac{3}{4}$	19	3.	$1\frac{3}{8}$	17.50	.....
1	25	2.46	$1\frac{3}{8}$	15.00	.....
$1\frac{1}{2}$	38	1.8	$1\frac{3}{8}$	15.00	.....
2	50	1.6	$1\frac{3}{8}$	15.00	.....
$2\frac{1}{2}$	63	1.6	$1\frac{3}{8}$	18.50	.....
3	75	2.	$1\frac{3}{8}$	18.50	.....
$3\frac{1}{2}$	90	2.3	$1\frac{3}{8}$	20.00	.....
4	101	2.5	$1\frac{3}{8}$	25.00	.....

Supplied in $1\frac{1}{16}$ " diameter spiralled tube, unless otherwise specified.Available also in spiralled tube, 1" or $1\frac{3}{8}$ " outside diameter.

PLEASE SPECIFY PROJECTOR FOR WHICH LENS IS INTENDED.