

LIGHT WAVES



WELCOME TO LIGHT WAVES

Since 1985, Light Waves has been creating the finest color prints available. We take great pride in this, and have built our reputation on delivering the ultimate in quality and service. Every effort is made by our team of seasoned professionals to assure your job the attention it deserves.

FINE COLOR PRINTS

Our most demanding product and the heart of Light Waves is our color printing. While this has always been our specialty, we offer much more. Over the past nineteen years, we have added many services to meet your needs. And every service offered meets the rigid standards that we have built as our foundation.

OUR COMMITMENT

We have set a goal to deliver the finest photographic quality and service available. There is a difference between "good" and "the finest", and our commitment to you is to bring you the finest work possible.

*Thank you,
Light Waves*

LIGHT WAVES PHOTOGRAPHIC, INC.
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POLICIES

SAN FRANCISCO HOURS: MO-FR 8:00 AM - 7:00 PM
BERKELEY HOURS: MO-FR 8:30 AM - 6:00 PM

Work can be scheduled for after hours, weekends and holidays for a special lab opening fee. Please call for rates and scheduling.

SERVICE TIMES:

Normal service times are listed for each service. These times are approximate and may vary with workload and/or job specifications. If timing is critical please notify customer service. Turn around for jobs received after 4pm will begin at the start of the next production day (9am in SF and 9:30am in Berkeley).

QUOTES:

We are happy to estimate prices and delivery times for you. Final pricing and scheduling can only be made when the order is actually placed and accepted.

RUSH SERVICE:

Rush service is available if less than normal service time is required. Please call customer service for turnaround times and pricing.

COLOR MATCHING:

When printing from negatives, a color guide is requested. This may be a slide, match print, color swatch, etc. Due to certain limitations in the photographic processes, it is not always possible to reproduce all colors the way they appear to the human eye.

QUALITY LEVELS:

On several of our services we offer more than one grade. These grades are defined by the amount of work involved and the exactness of the job criteria, which, in turn, relate directly to price. Our customer service staff is here to assist you in choosing the appropriate grade for your job.

REMAKES AND UPGRADES:

Light Waves is a custom laboratory and we produce work to your specifications. When placing an order we need you, the client, to be as explicit as possible. If we fail to follow those directions, or we have not met the quality standards for the service you ordered, we will remake the work at no charge. At times some images may need more work than initially thought. Images such as this may be upgraded to the next print grade for the cost of an additional print. This option is not available for machine prints, digital photographic output or salon printing. All requests for remakes or upgrades must be made within 72 hours of receipt of the work and should include a copy of the invoice, the work to be remade, our production data and specific instructions on what is required. All remakes or upgrades must be paid in full or be on account. No remakes or upgrades will be accepted for work left more than 14 days after promised delivery.

TERMS AND CONDITIONS

TERMS:

All COD orders require prepayment or a minimum 50% deposit, prior to work beginning. Turnaround time will start upon receipt of deposit or prepayment. We accept cash, checks, ATM, MasterCard, Visa, Discover, and Amex. Prepayment may be waived for Processing and Contact orders at Light Waves discretion.

CREDIT ACCOUNTS:

Accounts are available to established businesses. Terms are Net 30. Past due accounts will bear a service charge of 2% per month.

COPYRIGHT:

Light Waves supports the rights of artists and photographers. We urge you to become familiar with copyright laws as they apply to photographs and other artwork. By submitting work to us, the purchaser agrees to hold harmless and to indemnify Light Waves for all costs, expenses, attorney fees and/or judgments resulting from any claim or lawsuit against Light Waves for copyright infringement.

LIABILITY:

We appreciate your business and do our utmost to assure your order receives the attention it deserves. We exercise extreme care in the handling of your film for processing and/or printing. However, we can assume no liability for loss or damage beyond replacement with unexposed film of the same size and type. Submitting any film, print or art material to Light Waves constitutes an AGREEMENT by you that any damage or loss by our company and/or agents even though due to the negligence or other fault of our company and/or agents will only entitle you to replacement with a like amount of unexposed film and processing. Except for such replacement, the acceptance by our company and/or agents of the film, print or art material is without other warranty or liability and any incidental or consequential damages are excluded

EFFECTIVE DATE:

These prices are effective as of 4/1/2009.

Prices may change without notice

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FILM PROCESSING

C-41 PROCESSING

SERVICE TIME: 4 HOURS IN SF*, 24 HOURS IN BERKELEY

135 (12, 24 or 36 exposures)	\$6.00	
120	\$6.00	
220	\$12.00	
4x5	\$3.00	
8x10	\$6.00	
8x10 Exhibition (\$100.00 min)***	\$12.50	(\$100 min)
12x20 Exhibition (\$100.00 min)***	\$40.00	(\$160 min)
SNIP TEST <i>35mm lead / 120 tail</i>	\$5.00	

B&W FILM PROCESSING

SERVICE TIME: 4 HOURS IN SF*, 24 HOURS IN BERKELEY**

135 (12, 24 or 36 exposures)	\$6.00
120	\$6.00
220	\$12.00
4x5 (\$10.00 minimum)	\$3.00
8x10 (\$10.00 minimum)	\$6.00
SNIP TEST <i>35mm lead / 120 tail</i>	\$5.00

E-6 PROCESSING

SERVICE TIME: 24 HOURS IN BERKELEY, 4 HOURS IN SF*

135 (12, 24 or 36 exposures)	\$8.00
135 mounted (12, 24, 36 exp)	\$12.00
120	\$6.00
220	\$12.00
4x5	\$4.00
8x10	\$8.00
SNIP TEST <i>35mm lead / 120 tail</i>	\$5.00
Slide Imprinting (8 lines max)	\$1.50/line

- ASA CHANGE: In 1/4 stop increments Push to +3, Pull to -1: Add 1.00 per stop or fraction of per roll.
- Process only is sleeved uncut.
- Holder/Ready load handling: Add \$1.00 each
- Page sleeving available: Add \$1.00 per page
- *SF - First run is 9am, last run for process-only, same day service is 2:00pm

***EXHIBITION PROCESSING: The highest quality 8x10/12x20 C41 processing available. Exhibition processing is done on a Refrema dip and dunk machine specially modified by Refrema and Kodak. Process control and agitation tests are done before every run. Service time depends on current workload. Minimum charge: 8x10 : \$100.00 / 12x20 : \$160.00

FILM SERVICES

COPY NEGATIVES*

SERVICE TIME: 24 HRS (48 HRS FOR "NEG ONLY")

SIZE	COLOR	B&W
4x5	\$24.00	\$24.00
8x10	\$50.00	\$50.00

COPY TRANSPARENCIES*

SERVICE TIME: 72 HOURS

SIZE	1 st	1-3 addl's**
4x5	\$38.00	\$24.00
8x10	\$68.00	\$42.00

COPY SLIDES*

SERVICE TIME: 72 HRS

MINIMUM CHARGE: \$15.00

SIZE	1 st	1-3 addl's**
35mm	\$12.00	\$3.50

DUPLICATE TRANSPARENCIES

SERVICE TIME: 72 HOURS

SIZE	1 st	1-3 addl's**
4x5	\$36.00	\$22.00
8x10	\$56.00	\$36.00

DUPLICATE SLIDES

SERVICE TIME: 72 HOURS

Minimum Order: 15.00

35mm to 35mm: Normal 1:1

1st	1-8 addl's	9-23 addl's
\$2.50	\$1.25	\$1.10

35mm to 35mm: Cropping / Size Change - Color / Density Correction

1st	1-8 addl's	9-23 addl's
\$7.00	\$1.25	\$1.10

120 / 4x5 / 8x10*** to 35mm

1st	1-8 addl's	9-23 addl's
\$7.00	\$1.25	\$1.10

- * Oversized, framed, highly reflective or art with overlays will be subjected to a surcharge. Please call for a quote.
- ** For larger quantities, please call for a quote.
- *** 8x10 Reductions require a \$7.50 setup charge.

PROCESS AND CONTACT

Prices include normal film processing or file transfer. For push or pull processing, please add \$1.00 per stop or fraction thereof.

Optical contact sheets: From BW or color negative film only. Contacted through the sleeve.

Digital contact sheets: From BW or color negative film, transparency film or digital files. Image resolution is not as high as Optical and frame size on contact is 35mm size for all film formats. Digital contacts are not available from sheet film. To have scans saved to disk, please add \$10.00 per roll.

ASAP! 2 HOUR* *Please check with the customer service for availability*

Your film is processed, contacted and ready to be picked up in 2 hours or as soon as possible, depending on the amount of film. A limited amount of film can be processed in this time frame. Advance notice is helpful to speed your order into production. This service is for when time is of the essence, color and density will be as good as time permits. This service is not available for contacts from unprocessed E6 film. Digital contacts are not available in Berkeley in 2 hours.

	1 st	OPTICAL CONTACTS		DIGITAL CONTACTS	
		Addl's	1 st	Addl's	1 st
35mm	\$30.00	\$8.00	\$26.00	\$6.00	
120	\$30.00	\$8.00	\$26.00	\$6.00	
220	\$60.00	\$16.00	\$52.00	\$12.00	
4x5-single	\$18.00	\$5.00	n/a	n/a	
4x5(4up)	\$42.00	\$8.00	n/a	n/a	
8x10	\$30.00	\$8.00	n/a	n/a	
Digital Media	n/a	n/a	\$12.00	\$6.00	

- All contacts are done on glossy paper unless otherwise stated.
- 35mm will be sleeved in strips of 6 frames and contacted on 10x12 paper unless otherwise requested. If 8.5x11 contacts are requested, a maximum of 35 frames will fit. Any additional frames will be put on a second sheet and billed as an additional contact.
- 2 hour ASAP and 4 hour Select are dependent on the total number of rolls. Please check with customer service.

4 HOUR SELECT* *Please check with the customer service for availability*

Your film is processed, contacted and ready to be picked up in 4 hours. A limited amount of film can be processed in this time frame. This service is for quick turnaround. We will try and deliver contacts that meet our usual standards, but some variations may exist. This service is not available for contacts from unprocessed E6 film. Digital contacts are not available in Berkeley in 4 hours.

	1 st	OPTICAL CONTACTS		DIGITAL CONTACTS	
		Addl's	1 st	Addl's	1 st
35mm	\$22.00	\$6.00	\$18.00	\$5.00	
120	\$22.00	\$6.00	\$18.00	\$5.00	
220	\$44.00	\$12.00	\$32.00	\$10.00	
4x5-single	\$12.00	\$4.00	n/a	n/a	
4x5(4up)	\$32.00	\$6.00	n/a	n/a	
8x10	\$23.00	\$6.00	n/a	n/a	
Digital Media	n/a	n/a	\$10.00	\$5.00	

8 HOUR STANDARD

Your film is processed, contacted and ready to be picked up in 8 hours. Digital contacts are not available in Berkeley in 8 hours.

	1 st	OPTICAL CONTACTS		DIGITAL CONTACTS	
		Addl's	1 st	Addl's	
35mm	\$15.00	\$5.00	\$14.00	\$4.00	
120	\$15.00	\$5.00	\$14.00	\$4.00	
220	\$30.00	\$10.00	\$28.00	\$8.00	
4x5-single	\$8.00	\$3.00	n/a	n/a	
4x5(4up)	\$21.00	\$5.00	n/a	n/a	
8x10	\$15.00	\$5.00	n/a	n/a	
Digital Media**	n/a	n/a	\$8.00	\$4.00	

- All contacts are done on glossy paper unless otherwise stated.
- 35mm will be sleeved in strips of 6 frames and contacted on 10x12 paper unless otherwise requested. If 8.5x11 contacts are requested, a maximum of 35 frames will fit. Any additional frames will be put on a second sheet and billed as an additional contact.
- 2 hour ASAP and 4 hour Select are dependent on the total number of rolls. Please check with customer service.

24 HOUR ECONOMY

Your film is processed, contacted and ready to be picked up in 24 hours.

	1 st	OPTICAL CONTACTS		DIGITAL CONTACTS	
		Addl's	1 st	Addl's	
35mm	\$12.00	\$4.00	\$10.00	\$4.00	
120	\$12.00	\$4.00	\$10.00	\$4.00	
220	\$24.00	\$8.00	\$20.00	\$8.00	
4x5-single	\$6.00	\$2.00	n/a	n/a	
4x5(4up)	\$16.00	\$4.00	n/a	n/a	
8x10	\$12.00	\$4.00	n/a	n/a	
Digital Media**	n/a	n/a	\$8.00	\$4.00	

CONTACT ONLY - SERVICE TIME : 6 HOURS

High quality contact sheets from film that has already been processed and sleeved or digital files on electronic media.

	1 st	OPTICAL CONTACTS		DIGITAL CONTACTS	
		Addl's	1 st	Addl's	
35mm	\$10.00	\$5.00	\$8.00	\$4.00	
120	\$10.00	\$5.00	\$8.00	\$4.00	
220	\$20.00	\$10.00	\$16.00	\$8.00	
4x5-single	\$5.00	\$3.00	n/a	n/a	
4x5(4up)	\$10.00	\$5.00	n/a	n/a	
8x10	\$10.00	\$5.00	n/a	n/a	
Digital Media**	n/a	n/a	\$8.00	\$4.00	

- All contacts are done on glossy paper unless otherwise stated.
- 35mm will be sleeved in strips of 6 frames and contacted on 10x12 paper unless otherwise requested. If 8.5x11 contacts are requested, a maximum of 35 frames will fit. Any additional frames will be put on a second sheet and billed as an additional contact.
- ** Contacts from digital media can be printed with a varying number of images per page. Please choose from 20, 30 or 42 frames per page.

PROCESS AND PROOF

Normal film processing and high quality machine prints of all frames from 35mm or 120 B&W, C41 and E6 film or from digital media (memory cards and cdr). Push or pull processing available for \$1.00 per stop. Index print included. Scans can be transferred to CD for an additional \$10.00 per roll**.

Choices include: Borderless, standard borders (white or black), keyline or sloppy borders and a surface of either matte or glossy.

Default is borderless, matte.

Color/B&W Proof Prints from 35mm film - 24 to 48 HOURS

	4x6 prints		5x7 prints		4x10 Panorama	
	1 st set	Add'l set	1 st set	Add'l set	1 st set	Add'l set
35mm - 12 exp	\$12.00	\$4.20	\$18.00	\$6.00	\$13.20	\$4.20
35mm - 24 exp	\$16.80	\$8.40	\$27.60	\$12.00	\$20.95	\$9.10
35mm - 36 exp	\$20.40	\$12.60	\$34.80	\$18.00	\$29.10	\$14.70
Preprocss'd film*	\$0.50 /ea	\$0.35 /ea	\$1.00 /ea	\$0.50 /ea	\$1.20 /ea	\$0.70 /ea

Color/B&W Proof Prints from 120 film - 24 to 48 HOURS

	4x5 prints		5x5 prints		5x6.25 prints	
	1 st set	Add'l set	1 st set	Add'l set	1 st set	Add'l set
120 - 6x4.5 15 exp	\$15.00	\$6.00	n/a	n/a	\$18.00	\$7.50
120 - 6x6 12 exp	n/a	n/a	\$13.80	\$4.80	n/a	n/a
120 - 6x7 10 exp	\$13.00	\$4.00	n/a	n/a	\$15.00	\$5.00
220 - 6x4.5 30 exp	\$30.00	\$12.00	n/a	n/a	\$36.00	\$15.00
220 - 6x6 24 exp	n/a	n/a	\$27.60	\$9.60	n/a	n/a
220 - 6x7 20 exp	\$26.00	\$8.00	n/a	n/a	\$30.00	\$10.00
Preprocss'd film*	\$0.70 /ea	\$0.45 /ea	\$0.70 /ea	\$0.45 /ea	\$1.20 /ea	\$0.55 /ea

PROCESS AND PROOF - cont.

Color/B&W Proof Prints from Digital Media* - 24 to 48 HOURS**

High quality photographic proof prints from your digital media. We can accept CDR's, USB flash drives and all major camera media. Files must be either tif or jpg format. All images on media must be printed to qualify for this price. Prints are available on Semi-Matte or Glossy and borderless or white border. Sloppy and keyline are not available for this service. Minimum order is \$15.00.

	First Set	Additional Set
4x5	\$0.50/ea	\$0.35/ea
4x6	\$0.50/ea	\$0.35/ea
4x10	\$1.20/ea	\$.70/ea
5x5	\$.70/ea	\$.45/ea
5x7	\$1.00/ea	\$0.50/ea
6x8	\$1.25/ea	\$.75/ea
8x10	\$4.00/ea	\$2.00/ea

Process and Scan** - 48-72 HOURS**

	Small Scans	Medium Scans	Large Scans
	Approx 1 mb	Approx 4 mb	Approx 16 mb
35mm/120	\$12.00	\$18.00	\$24.00
220	\$24.00	\$34.00	\$40.00

- *Must print entire roll - price per print.
- **All images on media must be printed - price per print.
- ***Files to be printed must be formatted as 8-bit, RGB jpgs or tifs without any layers or channels. We can accept CDR's or USB flash drives.
- ****Scans are saved as 72dpi jpgs. Tif formatted files at 72dpi are available upon request.

PHOTOGRAPHIC PRINTS

Printing has always been our specialty at Light Waves. Our goal is to meet or exceed our client's expectations. To help define those expectations we offer several grades of prints. From our high quality, cost effective machine prints to one on one salon printing with one of our master printers, Light Waves will deliver the finest prints available to meet your needs.

When ordering prints please discuss your needs with our Customer Service representatives so that we may assist you in choosing the correct grade of print. Brief descriptions of each print grade and a matrix of what service is available for each grade are below. At times some images may need more work than initially thought. These images may be upgraded to the next print grade and produce another print for the price of an additional print. This option is not available for machine prints, digital photographic output, self-service or salon printing.

Light Waves is proud to be one of the few remaining labs in the Bay Area to offer enlarger printing, referred to hereafter as *Optical*. We can make optical prints from wallet size up to 48" x 72" murals. Some grades of prints may be produced digitally or optically at Light Waves discretion. If you require your prints to be produced specifically optically or digitally, please advise Customer Service at the time the order is placed. This option is not available on all print services.

All of our print grades are available on Glossy or Semi-Matte paper. Contacts and optical prints are done on Kodak Endura and all digital photographic output is printed on Fuji Crystal Archive. In addition Custom, Presentation and Reproduction grade prints are available in Supergloss or Display Trans for a 50% surcharge. Supergloss and Display Trans is not available printed optically.

PHOTOGRAPHIC PRINTS - cont.

We offer the following Print Grades:

Machine Grade Commercial Grade Direct Digital Output
 Custom Print Grade Presentation Grade Reproduction Grade
 and Salon Printing

PRINT SERVICES Available per Print Grade	Machine	Direct Digital *	Commercial	Custom	Presentation	Reproduction
From 35mm/120 negs or positives	●		●	●	●	●
From 4x5 negative or positive sheet film			●	●	●	●
From 8x10 negative or positive sheet film				●	●	●
From digital files	●	●	●	●	●	●
Printed on true B&W RC paper			●	●	●	●
Best color and density	●		●	●	●	●
True full frame			●	●	●	●
Standard borders (1/4", sloppy)	●		●	●	●	●
Standard cropping	●		●	●	●	●
Spotting			●	●	●	●
Standard color matching			●	●	●	●
Color corrections and adjustment			●	●	●	●
Custom cropping (within 1/8")			●	●	●	●
Custom borders (blk rebate, 1/8", client choice)				●	●	●
Burning and dodging				●	●	●
Critical color matching					●	●
Selective color adjustment/filter burning					●	●
Exact cropping (within 1/16")					●	●
Multiple color or density variations (3 prints)						●

Borders and Cropping

Border styles include: full bleed (borderless), 1/4" or 1/8" white borders, bleed by let fall, 1/4" by let fall, black rebate/keyline and sloppy. We can also do custom sized borders on Custom Prints and above. Border options on optical prints over 20x24 are very limited and require a surcharge, please check with customer service. Not all film or file sizes fit evenly onto certain print sizes. In the case where the proportions of the original do not match those of the print requested, the image will be evenly cropped (Standard Cropping) to fit the paper. Custom crops are available on the Custom Print Grade and above. Not all border styles are available on all print grades, see the Print Services matrix for pricing.



Borderless or Full Bleed



1/4" Borders



1/4" by let fall



Bleed by let fall

PHOTOGRAPHIC PRINTS - cont.

MACHINE GRADE PRINTS

SERVICE TIME: 24-48 HOURS

High quality machine reprints from 35mm or 120 B&W, C41 and E6 film or from digital media (memory cards and cdr**) printed on Fuji Crystal Archive. Each frame/file is carefully analyzed by our print output specialist who makes color, density, contrast and sharpness corrections as needed. In cases where the file/film proportions do not fit the print proportions, standard cropping will be utilized (crop evenly from the long dimension). Scans can be transferred to CD for an additional \$10.00. Matte or Glossy. Borderless, standard borders (white or black), keyline or sloppy borders.

Size	First Print	1-3 addl's	4-8 addl's	9-13 addl's
Wallet***	\$1.50	\$1.30	\$1.00	\$0.85
3.5x5/4x5	\$1.50	\$1.30	\$1.00	\$0.85
4x6	\$1.50	\$1.30	\$1.00	\$0.85
5x5	\$1.60	\$1.40	\$1.10	\$0.95
5x6.25	\$4.00	\$3.00	\$2.50	\$2.00
5x7	\$4.00	\$3.00	\$2.50	\$2.00
6x9	\$6.00	\$4.00	\$3.25	\$2.75
8x8	\$9.00	\$6.00	\$5.00	\$4.25
8x10	\$9.00	\$6.00	\$5.00	\$4.25
8.5x11	\$10.00	\$7.00	\$6.00	\$5.00
8x12	\$10.00	\$7.00	\$6.00	\$5.00
9x12	\$11.00	\$8.00	\$7.00	\$6.00
10x10	\$11.00	\$8.00	\$7.00	\$6.00
10x15	\$12.00	\$10.00	\$8.00	\$6.75
11x14	\$12.00	\$10.00	\$8.00	\$6.75
12x18	\$16.00	\$12.00	\$9.50	\$7.75
12x24	\$20.00	\$14.00	\$9.25	\$8.00
12x36	\$24.00	\$16.00	\$12.50	\$10.75

- *Saving Scans to CD when produced digitally. File size will vary depending on film format. Scans from 35mm will create a file the correct size for the final output. Scans from 120 will create a file that is approx. 16mb. Files are saved as 72dpi tifs.
- **Digital files submitted for output must be 8-bit, RGB jpgs or tifs without any layers or channels.
- ***There is a two print minimum when ordering wallets. Wallets are 2.5x3.5

PHOTOGRAPHIC PRINTS - cont.

DIRECT DIGITAL OUTPUT

SERVICE TIME: 24-48 HOURS

From RGB tif files*. Color or duotone prints on color photographic paper produced from your files with minimal operator input. A small test print is output on Fuji Crystal Archive from your file with no corrections. You are then able to go home, adjust your file based on the test and bring back a new file for final output. This cost-effective service is ideal for clients who have dialed their monitors in to match our output. Prints will be borderless unless client has set up borders in their file. For best results use either Light Waves ICC profiles or the sRGB color space when preparing files.

Size**	First Print	1-3 addl's	Size**	First Print	1-3 addl's
Wallet***	\$8.00	\$2.00	30x40	\$70.00	\$50.00
3.5x5/4x5	\$8.00	\$2.00	30x50	\$88.00	\$64.00
4x6	\$8.00	\$2.00	30x60	\$106.00	\$74.00
5x5	\$8.00	\$2.00	30x96	\$158.00	\$120.00
5x7	\$8.00	\$4.00	30x120	\$194.00	\$146.00
6x9	\$8.00	\$4.40	40x40	\$94.00	\$68.00
8x8/8x10	\$12.00	\$6.50	40x50	\$112.00	\$84.00
8.5x11	\$13.00	\$8.00	40x60	\$136.00	\$102.00
8x12	\$13.00	\$8.00	40x120	\$264.00	\$200.00
9x12	\$14.00	\$9.00	48x50	\$140.00	\$106.00
11x14	\$15.00	\$11.00	48x60	\$160.00	\$120.00
12x18	\$20.00	\$14.00	48x72	\$192.00	\$144.00
16x20	\$28.00	\$20.00	48x120	\$320.00	\$240.00
20x24	\$34.00	\$24.00	50x60****	\$160.00	\$120.00
20x30	\$40.00	\$26.00	50x72****	\$192.00	\$144.00
24x30	\$44.00	\$30.00	50x96****	\$260.00	\$198.00
30x30	\$54.00	\$38.00	50x120****	\$320.00	\$240.00

- * Digital files submitted for output must be 8-bit, RGB jpgs or tifs without any layers or channels.
- **Standard sizes listed. Any size up to 50"x120" available, please ask for pricing.
- ***There is a two print minimum when ordering wallets. Wallets are 2.5x3.5.
- ****Print wider than 48" are considered 'oversized' for the purposes of mounting and will incur an extra charge.

PHOTOGRAPHIC PRINTS - cont.

COMMERCIAL GRADE PRINTS

SERVICE TIME: 24-48 HOURS

From negatives, slides, transparencies and digital files*. High quality prints from evenly lit, well exposed film/files produced optically or digitally at our discretion. Color and density adjustments, standard/custom cropping and/or standard borders are available. Images being produced digitally will be scanned at an adequate size for print and may be saved to CD for an additional \$10.00 per image**. Burning, dodging, special borders or critical color matching are not available with this service.

Size***	First Print	1-3 add'l's	Size***	First Print	1-3 add'l's
Wallet****	\$12.00	\$6.00	30x40	\$124.00	\$62.00
3.5x5/4x5	\$12.00	\$6.00	30x50	\$142.00	\$72.00
4x6	\$12.00	\$6.00	30x60	\$164.00	\$82.00
5x5	\$12.00	\$6.00	30x96	\$252.00	\$132.00
5x7	\$14.00	\$7.00	30x120	\$304.00	\$166.00
6x9	\$16.00	\$8.00	40x40	\$160.00	\$82.00
8x8/8x10	\$18.00	\$9.00	40x50	\$202.00	\$104.00
8.5x11	\$19.00	\$9.50	40x60	\$242.00	\$124.00
8x12	\$19.00	\$9.50	40x120	\$420.00	\$220.00
9x12	\$22.00	\$11.00	48x50	\$224.00	\$118.00
11x14	\$24.00	\$12.00	48x60	\$294.00	\$150.00
12x18	\$32.00	\$16.00	48x72	\$354.00	\$180.00
16x20	\$52.00	\$26.00	48x120	\$504.00	\$264.00
20x24	\$64.00	\$32.00	50x60*****	\$294.00	\$150.00
20x30	\$76.00	\$38.00	50x72*****	\$354.00	\$180.00
24x30	\$84.00	\$42.00	50x96*****	\$404.00	\$212.00
30x30	\$104.00	\$52.00	50x120*****	\$504.00	\$264.00

- * Digital files submitted for output must be 8-bit, RGB jpgs or tifs without any layers or channels.
- ** Saving Scans to CD when produced digitally. File size will vary depending on film format. Scans from 35mm will create a file the correct size for the final output. Scans from 120 will create a file that is approx. 16mb. Files are saved as 72dpi tifs.
- *** Standard sizes listed. Any size up to 50" x120" available, please ask for pricing.
- **** There is a two print minimum when ordering wallets. Wallets are 2.5x3.5
- ***** Print wider than 48" are considered 'oversized' for the purposes of mounting and will incur an extra charge.

PHOTOGRAPHIC PRINTS - cont.
CUSTOM PRINT GRADE - OPTICAL

SERVICE TIME: 48 HOURS FOR 20X24 OR SMALLER
72 HOURS FOR 20X30 OR LARGER

From color negatives up to 8x10. These high quality prints are produced using traditional enlarger methods. This process can result in a smoother, softer print than digitally output photographs but has some limitations. Prints over 20x24 are only available borderless or roughly centered on paper with sloppy black borders. Clean white borders are available for a surcharge. Color and density balancing, specific cropping/borders, burning, dodging and spotting are included. All of our optical work is done on Kodak Supra Endura. Presentation or Reproduction grade may be necessary if critical color matching or exact cropping/border treatments are required.

Size	First Print	1-3 add'l's	Size	First Print	1-3 add'l's
5x7	\$20.00	\$12.00	30x50	\$188.00	\$116.00
8x10	\$24.00	\$15.00	30x60	\$216.00	\$144.00
8.5x11	\$26.00	\$17.00	30x70	\$248.00	\$168.00
11x14	\$36.00	\$22.00	40x40	\$212.00	\$128.00
16x20	\$64.00	\$36.00	40x50	\$240.00	\$160.00
20x24	\$84.00	\$44.00	40x60	\$288.00	\$192.00
20x30	\$98.00	\$54.00	40x70	\$346.00	\$230.00
24x30	\$108.00	\$60.00	48x50	\$302.00	\$202.00
24x36	\$122.00	\$66.00	48x60	\$348.00	\$240.00
30x30	\$136.00	\$72.00	48x70	\$420.00	\$290.00
30x40	\$164.00	\$96.00			

PHOTOGRAPHIC PRINTS - cont.

CUSTOM PRINT GRADE - DIGITAL

SERVICE TIME: 48 HOURS FOR 20X24 OR SMALLER

72 HOURS FOR 20X30 OR LARGER

From negatives, slides, transparencies and digital files*. These high quality prints are output using either our LightJet 430 or our Noritsu QSS-3211 on Fuji Crystal Archive Type-C paper. Film will be scanned at an adequate size for printing and may be saved to CD for an additional \$10.00 per image**. Color and density balancing, specific cropping/borders, burning, dodging and spotting are included. For best results, use either the Light Waves ICC profiles or the sRGB color space when preparing files. Presentation or Reproduction grade may be necessary if critical color matching or exact cropping/border treatments are required.

Size	First Print	1-3 addl's	Size	First Print	1-3 addl's
5x7	\$18.00	\$9.00	30x72	\$208.00	\$104.00
8x8/8x10	\$22.00	\$12.00	30x96	\$272.00	\$140.00
8.5x11	\$24.00	\$14.00	40x40	\$180.00	\$94.00
8x12	\$24.00	\$14.00	40x50	\$204.00	\$106.00
11x14	\$32.00	\$17.00	40x60	\$246.00	\$128.00
12x18	\$44.00	\$22.00	40x72	\$294.00	\$154.00
12x24	\$56.00	\$28.00	40x96	\$368.00	\$190.00
12x36	\$66.00	\$33.00	40x120	\$454.00	\$238.00
16x20	\$58.00	\$29.00	48x50	\$252.00	\$128.00
20x24	\$76.00	\$38.00	48x60	\$296.00	\$154.00
20x30	\$88.00	\$44.00	48x72	\$352.00	\$184.00
24x30	\$96.00	\$48.00	48x120	\$544.00	\$286.00
24x36	\$108.00	\$52.00	50x50***	\$252.00	\$128.00
30x30	\$116.00	\$58.00	50x60***	\$296.00	\$154.00
30x40	\$142.00	\$72.00	50x72***	\$352.00	\$184.00
30x50	\$162.00	\$82.00	50x96***	\$454.00	\$238.00
30x60	\$186.00	\$94.00	50x120***	\$544.00	\$286.00

- *Digital files submitted for output must be 8-bit, RGB jpps or tifs without any layers or channels.
- **Saving Scans to CD when produced digitally. File size will vary depending on film format. Files are saved as 72dpi tifs.
- ***Print wider than 48" are considered 'oversized' for the purposes of mounting and will incur an extra charge.

PHOTOGRAPHIC PRINTS - cont.
PRESENTATION GRADE

SERVICE TIME: 48-72 HOURS

From negatives, slides, transparencies and digital files*. Presentation grade prints are our specialty. Ideal when a very close color match is required, special burning and dodging is needed or for very exacting crop/border treatments. These prints can be produced either optically or digitally at the client's request, but please note there is a different price for each method. If no preference is requested at the time the order is placed, Light Waves will decide the optimum method of achieving the best results. If produced digitally, images will be scanned at adequate size for print and may be saved to CD for \$10.00 per image **.

Size	Digital	Optical	Size	Digital	Optical
5x7	\$24.00	\$28.00	40x40	\$202.00	\$244.00
8x10	\$34.00	\$40.00	40x50	\$252.00	\$306.00
8.5x11	\$36.00	\$42.00	40x60	\$304.00	\$368.00
11x14	\$44.00	\$50.00	40x72	\$354.00	\$430.00
16x20	\$74.00	\$86.00	40x96	\$422.00	n/a
20x24	\$112.00	\$126.00	48x50	\$278.00	n/a
20x30	\$136.00	\$148.00	48x60	\$354.00	n/a
24x30	\$154.00	\$172.00	48x72	\$426.00	n/a
24x36	\$158.00	\$180.00	48x120	\$632.00	n/a
30x30	\$162.00	\$186.00	50x50***	\$278.00	n/a
30x40	\$178.00	\$208.00	50x60***	\$354.00	n/a
30x50	\$190.00	\$230.00	50x72***	\$426.00	n/a
30x60	\$204.00	\$252.00	50x96***	\$520.00	n/a
30x72	\$228.00	\$284.00	50x120***	\$632.00	n/a

- *Digital files submitted for output must be 8-bit, RGB jpgs or tifs without any layers or channels.
- **Saving Scans to CD when produced digitally. File size will vary depending on film format. Scans from 35mm will create a file the correct size for the final output. Scans from 120 will create a file that is approx. 16mb. Files are saved as 72dpi tifs.
- ***Print wider than 48" are considered 'oversized' for the purposes of mounting and will incur an extra charge.

PHOTOGRAPHIC PRINTS - cont.

REPRODUCTION GRADE

SERVICE TIME: 48-72 HOURS

From negatives, slides, transparencies and digital files*. Reproduction grade prints offer the same exacting standards as Presentation grade but instead of only one print, three prints are made. Each print will be a variation on color and /or density, allowing you to see everything that is possible from your film/file. These prints can be produced either optically or digitally at the client's request. If no preference is requested at the time the order is placed, Light Waves will decide the optimum method of achieving the best results. If produced digitally, images will be scanned at adequate size for print and may be saved to CD for \$10.00 per image**.

Size	First Print	1-3 addl's	Size	First Print	1-3 addl's
8x10	\$70.00	\$35.00	16x20	\$120.00	\$60.00
8.5x11	\$80.00	\$40.00	20x24	\$180.00	\$70.00
11x14	\$90.00	\$45.00			

- *Digital files submitted for output must be 8-bit, RGB jpgs or tifs without any layers or channels.
- **Saving Scans to CD when produced digitally. File size will vary depending on film format. Scans from 35mm will create a file the correct size for the final output. Scans from 120 will create a file that is approx. 16mb. Files are saved as 72dpi tifs.

SALON PRINTING

The ultimate in hands on color printing. Work directly with your own personal printer. Please call for rates and availability.

DIGITAL SERVICES

Full Roll Scans - 24-48 HOURS: 35mm or 120 B&W, color negative or transparency film. Every frame on a roll is scanned on our Noritsu QSS-32. Basic color and density adjustments are made by the operator. Files are saved in the JPG format at 72 dpi. TIF files at 72 dpi are available at clients request.

	Small Scans Approx 1 mb		Medium Scans Approx 4 mb		Large Scans Approx 18 mb	
	Cut negs	Uncut negs	Cut negs	Uncut negs	Cut negs	Uncut negs
35/120	\$18.00	\$10.00	\$24.00	\$16.00	\$32.00	\$20.00
220	\$26.00	\$18.00	\$34.00	\$24.00	\$40.00	\$30.00

Economy Scans - 24-48 HOURS: Basic scans from 35mm or 120 B&W, color negative or transparency film. Basic color and density adjustments are made by the operator. Economy scans are almost full frame but there is a 3-4% crop all the way around. Files are saved in the .TIF format at 72 dpi. JPG files are available at clients request.

	1 original	2-4 orig.	5-9 orig	10-14 orig	More*
	\$6.00	\$5.00	\$4.00	3.25	Ask

* Orders larger than 14 originals require more time for quantity pricing. Please ask the customer service representative for turn-around times.

Raw Scans - 24-48 HOURS: Negatives, slides and transparencies up to 4x5 are scanned on either our high resolution Imacon Flextight 848 virtual-drum scanner or our Noritsu QSS-32 LED film scanner and saved to disk as RGB tif or jpg files. These are the same high quality scans as our Custom Scans but without spotting or final color and density adjustments. This service is ideal for clients who are comfortable manipulating files in PhotoShop.

Raw Scan 20	\$12.00	Approx. 20 megabyte file
Raw Scan 40	\$18.00	Approx. 40 megabyte file
Raw Scan 60	\$24.00	Approx. 60 megabyte file
Raw Scan 80	\$28.00	Approx. 80 megabyte file
Raw Scan 100	\$32.00	Approx. 100 megabyte file

Custom Scans - 24-48 HOURS: Negatives, slides and transparencies up to 4x5 are scanned on either our high resolution Imacon Flextight 848 virtual-drum scanner or our Noritsu QSS-3211 LED scanner, optimized and saved to disk as 300 dpi, RGB tif files. Custom scans are full frame but we cannot show neg edge. Scans over 100 megabytes are an additional \$0.25/megabyte over the *Large Scan 100mb* price.

Basic Scan 20	\$20.00	Approx. 20 megabyte file
Standard Scan 60	\$30.00	Approx. 60 megabyte file
Large Scan 100	\$40.00	Approx. 100 megabyte file
Huge Scan	\$0.25/mb*	Size depends on film format

Drum Scans - 48 HOURS: Negatives and transparencies up to 8x10 are scanned on our ICG 330i drum scanner resulting in files up to 600 megabytes. Drum scans are available as either spotted custom scans or as raw scans that still need spotting and color/density fine-tuning. This service has a 100 mb minimum.

	Raw	Custom
Drum Scans	\$0.50/mb	\$1.00/mb

Flatbed Scans - 48 HOURS: From flat art or photographs up to 8.5x11. Produced on either our Microtek Scanmaker i800 or our Imacon Flextight 848, these scans are very high quality and appropriate for almost any use. Scans are saved as 300 dpi tif files.

Flatbed Scans 8.00 Actual size at 300dpi

File Manipulation

\$60.00/hour

\$15.00 minimum

Retouching & Image Manipulation

\$120.00/hour

\$30.00 minimum

MEDIA CHARGE

Media is included in the scan price. Prices below are for additional media.

CDR \$5.00

DVD \$10.00

DISPLAY SERVICES

MOUNTING

A wide variety of mounting substrates are available to fit almost any project. Please call with your needs.

SERVICE TIME: 48-72 HOURS in Berkeley

72-96 HOURS in San Francisco

	Art Board or 3/16" Foam core	3/16" Gator foam	1/2" Gatorfoam or 3mm Sintra	6mm Sintra
8x10	\$20.00	\$24.00	\$26.00	\$29.00
8.5x11	\$21.00	\$25.00	\$28.00	\$31.00
11x14	\$22.00	\$26.00	\$30.00	\$33.00
16x20	\$24.00	\$33.00	\$35.00	\$40.00
20x24	\$29.00	\$40.00	\$44.00	\$53.00
20x30	\$36.00	\$44.00	\$52.00	\$68.00
24x30	\$40.00	\$50.00	\$54.00	\$75.00
30x30	\$44.00	\$57.00	\$67.00	\$84.00
30x40	\$53.00	\$75.00	\$87.00	\$110.00
30x50	\$66.00	\$88.00	\$104.00	\$134.00
30x60	\$73.00	\$106.00	\$132.00	\$152.00
30x72	n/a	\$120.00	\$139.00	\$169.00
40x40	\$65.00	\$97.00	\$116.00	\$156.00
40x50	\$75.00	\$112.00	\$131.00	\$180.00
40x60	\$80.00	\$125.00	\$136.00	\$202.00
40x72	n/a	\$136.00	\$169.00	\$226.00
48x50	n/a	\$123.00	\$136.00	\$207.00
48x60	n/a	\$150.00	\$165.00	\$232.00
48x72	n/a	\$158.00	\$197.00	\$255.00
48x96	n/a	\$200.00	\$218.00	
48x120	n/a			

ADDITIONAL SERVICES

Recessed Back Frame 16x20 or under \$25.00

20x24 to 30x40 \$35.00

30x50 to 40x50 \$45.00

40x60 to 48x70 \$55.00

add \$5.00 for mounting blocks

Back Cleat Only 16x20 or under \$15.00

Velcro \$1.50 per/ft

Back Clips for Gator foam \$5.00/pair

DISPLAY SERVICES - cont.

LAMINATES

Our standard protective overlay is available in glossy or matte finish. A large variety of laminates are available to meet almost any need. Please call to discuss your specific project.

	4 ply Museum Rag Board	Dibond	Aluminum	Overlay
8x10	\$23.00	\$42.00	\$48.00	\$20.00
8.5x11	\$25.00	\$45.00	\$50.00	\$21.00
11x14	\$28.00	\$47.00	\$54.00	\$22.00
16x20	\$34.00	\$52.00	\$60.00	\$25.00
20x24	\$41.00	\$68.00	\$78.00	\$30.00
20x30	\$48.00	\$87.00	\$102.00	\$37.00
24x30	\$55.00	\$105.00	\$120.00	\$40.00
30x30	\$67.00	\$157.00	\$180.00	\$45.00
30x40	\$87.00	\$189.00	\$216.00	\$52.00
30x50	\$89.00	\$205.00	\$234.00	\$62.00
30x60	\$101.00	\$231.00	\$264.00	\$71.00
30x70	n/a	\$241.00	\$276.00	\$80.00
40x40	\$96.00	\$231.00	\$264.00	\$75.00
40x50	\$110.00	\$262.00	\$300.00	\$82.00
40x60	\$141.00	\$315.00	\$360.00	\$90.00
40x70	n/a	\$346.00	\$396.00	\$100.00
48x50	n/a	\$315.00	\$360.00	\$87.00
48x60	n/a	\$331.00	\$384.00	\$100.00
48x70	n/a	\$367.00	\$420.00	\$112.00
48x96	n/a			
48x120	n/a			

Notice of Liability: We will mount customer supplied materials at our discretion. While we strive to deliver the best possible job, we cannot be responsible for any damage to any art or materials that may occur. Please see page 4 for further information on Light Waves Statement of Liability.

Glossary

Photographic and Digital Print Terminology

Standard borders ¼" or 6mm for most prints. 1/8" or 4mm for 4x6, 4x5 and 5x5 machine prints.

Standard cropping Standard cropping refers to minimal cropping necessary to make an image fit on the paper size requested. For example, standard cropping for a 35mm neg being printed to 8x10 would be to crop off roughly 1/5 of the frame from one end or the other.

Full bleed (borderless) Full bleed prints are enlarged to the point where the image fills the page. Usually some cropping is necessary to make this possible. See example on page 14.

Full frame Printing the negative in its entirety. Full frame usually requires borders of some type. See example on page 14.

Bleed by let fall The long dimension of the image is taken to 2 edges of the paper and the other two sides are bordered.
See example on page 14.

¼" by let fall The long dimension of the image is taken to ¼" from the edge of the paper and the other two sides are bordered by a larger border. See example on page 14.

Back frame A wooden frame glued to the back of a mounted print. This give the print more rigidity and when hung, lifts the print from the wall by approx 1". Can be used in conjunction with a mounting block.

Mounting block Two pieces of beveled wood which interlock with one another. One is glued to the back of the mounted print and the other is screwed to the wall.

Optical printing Making a print by placing the negative into an enlarger and using a lense to focus the image onto the photographic paper. Prints made this way can result in a softer, smoother photograph.

Digital printing Making a print by scanning an original (negative, positive, flat art) and outputting it through various means - inkjet, dye-sub, iris and digital photographic.

Digital photographic output Making a print by taking a scanned original (negative, positive, flat art) and outputting it to type C photo paper with either a laser or LED. The paper is then processed normally creating a true photographic type C print.

.TIF file format (*tagged image file format*) An uncompressed image file format used by most photographers and printers.

.JPG file format (*joint photographic experts group*) A "lossy" compression technique for digital images. Files can be very small but quality is lost.

Key line border A thin black line around the image area of a photograph. Available on digital photographic output only. See Black Rebate for an equivalent service available for optical prints.

Sloppy border A method of printing where the clear portion of the negative around the image area is exposed to the photo paper with the image. Results in a thick, sloppy black border around the image area of the print.

Black rebate Similar to the sloppy border but the black exposure around the print is bladed resulting in a clean, thin black border all the way around the image.

Glossary - cont.

Burning A printing technique where one portion of an image is selectively darkened.

Dodging A printing technique where one portion of an image is selectively lightened.

DPI/PPI (*dots or pixels per inch*) A method of describing the resolution of digital file. Standards are 72 ppi which is the resolution of a computer monitor or 300 ppi which is the resolution required by most printers.

ICC Profile (*international color consortium*) A file that describes how a particular device reproduces color. The profile defines device gamut in the context of a device-independent color space.

Print Regardless A service code used to indicate that the client wishes to print an image despite the fact that he/she has been informed that the final result will be sub-par. Print Regardless jobs must be prepaid and do not qualify for redos.