

# Quick Start Guide

See Full Demo Video  
on Kolormatrix  
YouTube Channel

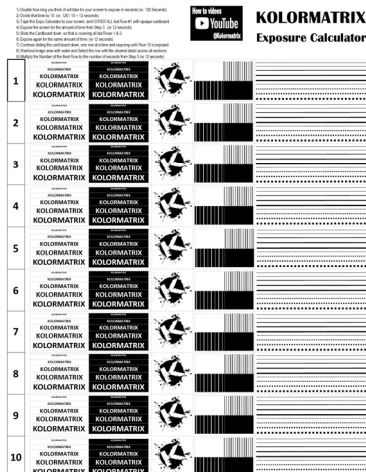
#1 Print B&W Exposure  
Calculator (page two of  
this PDF) onto film.

# 2 Select similar Light

Source & Emulsion, to the types you use, from be-  
low and write the estimated time in Line #1

Use the chart below to select an estimated starting time for each  
of the 10 steps using the Exposure Calculator based on light  
source and type of emulsion., you are using.

| Estimated Testing Time | Ready to Use | Two Part Diazo |
|------------------------|--------------|----------------|
| 500 Watt Halogen       | 1 min 30 sec | 2 min 45 sec   |
| Multi UV Fluorescent   | 45 Seconds   | 2 minutes      |
| LED UV                 | 5 Seconds    | 20 Seconds     |
| H.O. LED UV            | 1 Second     | 10 Seconds     |



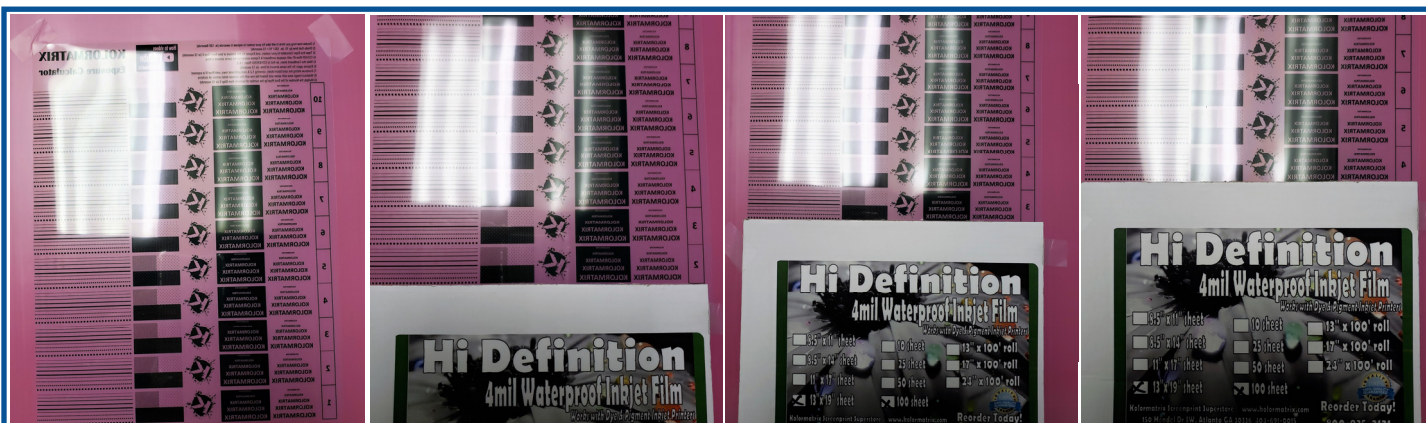
## 7 Steps to Success in Screen Exposure

Enter time estimate from the list on left, for Light  
source and Emulsion Combination on Line #1.

Line #1—Enter time estimate : \_\_\_\_\_

- 1) Tape the Expo Calculator to your screen.
- 2) Expose the screen for the amount of time from LINE #1
- 3) Tape cardstock so that it is covering Row 1.
- 4) Expose again for the same amount of time from Line #1
- 5) Slide the cardstock down, one row at a time, so that it now COVERS Rows 1 & 2, expose again for same time.
- 6) Slide Cardstock down, Covering, 1,2 & 3, and expose again, repeat until Row 10 is exposed.
- 7) Washout image area with water and Select the row with the clearest detail across all sections.
- 8) Multiply the Row Number with Best Detail by the time from LINE #1 and that is Your Ideal Exposure time. (ie Row 6 was Best, Time Line #1 x 6= Exposure time.)

We recommend that you, do this for your different mesh  
counts, so that you have an exposure  
table with different times for varying  
white and yellow mesh counts.



STEP #1  
Expose the Entire  
Film Positive

STEP #2  
COVER Row #1  
& Expose Again

STEP #3  
COVER Additional Row #1-2  
& Expose Again

STEP #4 & so on  
COVER Additional Row #1-3  
& Expose Again




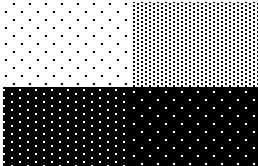
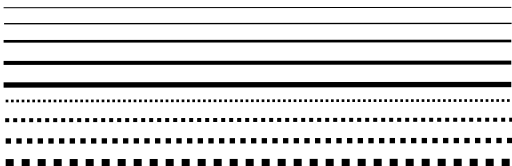

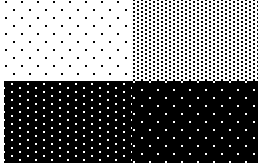
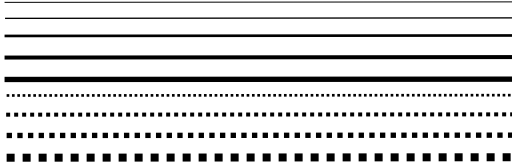

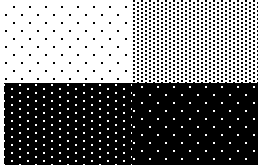
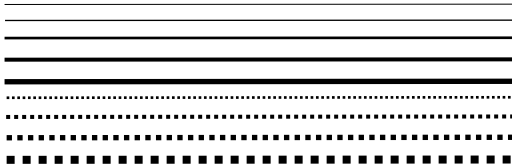

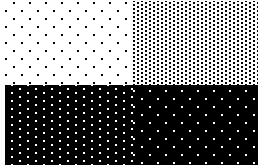
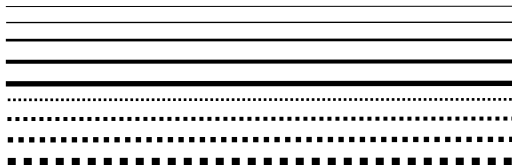

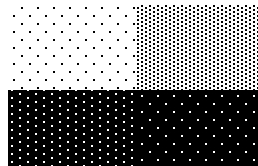
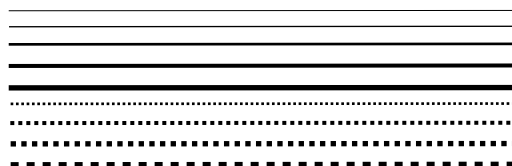

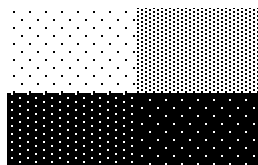
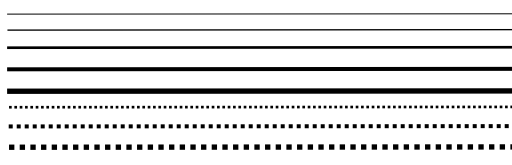

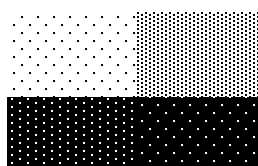
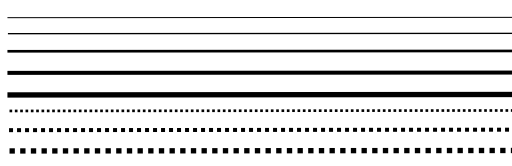

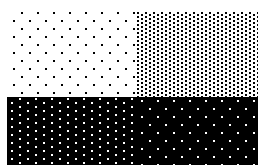
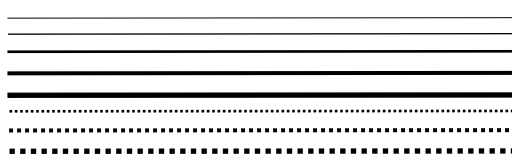

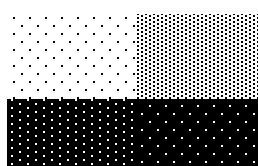
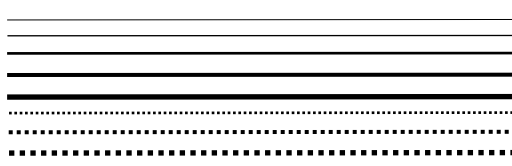

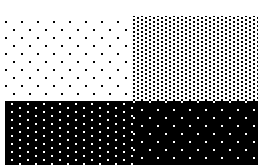
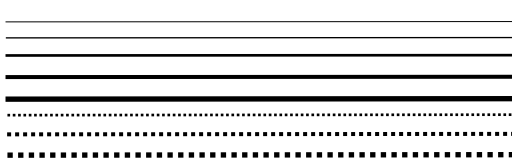
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404-691-0015 / 800-935-2121 order@kolormatrix.com

- 1) Double how long you think it will take for your screen to expose in seconds (ie. 120 Seconds)
- 2) Divide that time by 10. (ie.  $120 / 10 = 12$  seconds)
- 3) Tape this Expo Calculator to your screen, and Expose for the amount of time from Step 2 (ie 12 seconds).
- 4) COVER Row #1 with opaque cardboard & Expose screen for the same amount of time
- 5) Slide the Cardboard down, so that is COVERING Rows 1 & 2.
- 6) Expose again for the same amount of time. (ie 12 seconds)
- 7) Continue sliding the card board down, covering 1,2 & next additional rows, until Row10 is exposed.
- 8) Washout image area with water and Select the row with the clearest detail across all sections.
- 9) Multiply the Number of the Best Row by the number of seconds from Step 2 (ie 12 seconds)



# KOLORMATRIX

## Exposure Calculator

|    |   |   |   |  |   |
|----|---|---|---|--|---|
| 10 | <div>KOLORMATRIX</div> <div>KOLORMATRIX</div> <div>KOLORMATRIX</div> <div>KOLORMATRIX</div> | <div>KOLORMATRIX</div> <div>KOLORMATRIX</div> <div>KOLORMATRIX</div> <div>KOLORMATRIX</div> |    |    |    |
| 9  | <div>KOLORMATRIX</div> <div>KOLORMATRIX</div> <div>KOLORMATRIX</div> <div>KOLORMATRIX</div> | <div>KOLORMATRIX</div> <div>KOLORMATRIX</div> <div>KOLORMATRIX</div> <div>KOLORMATRIX</div> |    |    |    |
| 8  | <div>KOLORMATRIX</div> <div>KOLORMATRIX</div> <div>KOLORMATRIX</div> <div>KOLORMATRIX</div> | <div>KOLORMATRIX</div> <div>KOLORMATRIX</div> <div>KOLORMATRIX</div> <div>KOLORMATRIX</div> |    |    |    |
| 7  | <div>KOLORMATRIX</div> <div>KOLORMATRIX</div> <div>KOLORMATRIX</div> <div>KOLORMATRIX</div> | <div>KOLORMATRIX</div> <div>KOLORMATRIX</div> <div>KOLORMATRIX</div> <div>KOLORMATRIX</div> |    |    |    |
| 6  | <div>KOLORMATRIX</div> <div>KOLORMATRIX</div> <div>KOLORMATRIX</div> <div>KOLORMATRIX</div> | <div>KOLORMATRIX</div> <div>KOLORMATRIX</div> <div>KOLORMATRIX</div> <div>KOLORMATRIX</div> |   |   |   |
| 5  | <div>KOLORMATRIX</div> <div>KOLORMATRIX</div> <div>KOLORMATRIX</div> <div>KOLORMATRIX</div> | <div>KOLORMATRIX</div> <div>KOLORMATRIX</div> <div>KOLORMATRIX</div> <div>KOLORMATRIX</div> |  |  |  |
| 4  | <div>KOLORMATRIX</div> <div>KOLORMATRIX</div> <div>KOLORMATRIX</div> <div>KOLORMATRIX</div> | <div>KOLORMATRIX</div> <div>KOLORMATRIX</div> <div>KOLORMATRIX</div> <div>KOLORMATRIX</div> |  |  |  |
| 3  | <div>KOLORMATRIX</div> <div>KOLORMATRIX</div> <div>KOLORMATRIX</div> <div>KOLORMATRIX</div> | <div>KOLORMATRIX</div> <div>KOLORMATRIX</div> <div>KOLORMATRIX</div> <div>KOLORMATRIX</div> |  |  |  |
| 2  | <div>KOLORMATRIX</div> <div>KOLORMATRIX</div> <div>KOLORMATRIX</div> <div>KOLORMATRIX</div> | <div>KOLORMATRIX</div> <div>KOLORMATRIX</div> <div>KOLORMATRIX</div> <div>KOLORMATRIX</div> |  |  |  |
| 1  | <div>KOLORMATRIX</div> <div>KOLORMATRIX</div> <div>KOLORMATRIX</div> <div>KOLORMATRIX</div> | <div>KOLORMATRIX</div> <div>KOLORMATRIX</div> <div>KOLORMATRIX</div> <div>KOLORMATRIX</div> |  |  |  |