



## CDF/QT Direct Film Exposure Table

### ESTIMATED BASE EXPOSURE TIMES FOR OF ULANO CDF/QT THICK FILMS\*

Exposure Unit	<u>CDF/QT Thickness</u>						
	100 micron	150 micron	200 micron	250 micron	300 micron	400 micron	700 micron**
<b>Carbon Arc</b>							
30 amps	180 secs	240 secs	336 secs	420 secs	540 secs	1320 secs	2442 secs
110 amps	48 secs	65 secs	90 secs	113 secs	145 secs	355 secs	667 secs
<b>Metal Halide</b>							
1,000 Watts	75 secs	100 secs	140 secs	175 secs	225 secs	550 secs	1000 secs
2,000 Watts	38 secs	50 secs	70 secs	88 secs	114 secs	275 secs	500 secs
3,000 Watts	25 secs	33 secs	47 secs	58 secs	75 secs	183 secs	333 secs
4,000 Watts	19 secs	25 secs	35 secs	44 secs	57secs	138 secs	252 secs
5,000 Watts	15 secs	20 secs	28 secs	35 secs	45secs	110 secs	200 secs
7,000 Watts	12 secs	15 secs	21 secs	26 secs	34 secs	83 secs	142 secs
<b>Pulsed Xenon</b>							
2,000 Watts	219 secs	292 secs	408 secs	511 secs	658 secs	1605 secs	2794 secs
5,000 Watts	88 secs	117 secs	163 secs	204 secs	263 secs	642 secs	1118 secs
8,000 Watts	55 secs	73 secs	103 secs	128 secs	165 secs	403 secs	700 secs
<b>Mercury Vapor</b>							
1,000 Watts	99 secs	132 secs	184 secs	231 secs	279 secs	725 secs	1361 secs
2,000 Watts	49 secs	65 secs	91 secs	114 secs	147 secs	358 secs	679 secs
4,000 Watts	25 secs	33 secs	47 secs	58 secs	75 secs	183 secs	339 secs
<b>Fluorescent Tu</b>							
40 Watts	218 secs	292 secs	408 secs	511 secs	658 secs	1605 secs	3000 secs

*Based on white mesh at 1 Meter/approx. 40 inches (except with fluorescent tubes)*

\*These times are estimates only. You should perform a step-wedge test to determine the appropriate exposure time.

\*\* The exposure time for CDF/QT-700 was determined for the film reinforced with two layers of QTX.