

# When You Can't Trust Your Meter...

SUBJECT	FILM SPEED				
	64-100 ASA	125-200 ASA	320-400 ASA	800 ASA	1000-1250 ASA
Home interiors at night - Areas with average light*	1/4, f/2.8	1/15, f/2	1/30, f/2	1/30, f/2.8	1/30, f/4
Home interiors at night - Areas with bright light*	1/15, f/2	1/30, f/2	1/30, f/2.8	1/30, f/4	1/60, f/4
Candlelight close-ups	1/4, f/2	1/8, f/2	1/15, f/2	1/30, f/2	1/30, f/2.8
Indoor and outdoor holiday lighting at night, Christmas trees	1 sec, f/4	1 sec, f/5.6	1/15, f/2	1/30, f/2	1/30, f/2.8
Brightly lighted downtown street scenes (Wet streets and interesting reflections)	1/30, f/2	1/30, f/2.8	1/60, f/2.8	1/60, f/4	1/125, f/4
Brightly lighted nightclub or theater districts - Las Vegas or Times Square.	1/30, f/2.8	1/30, f/4	1/60, f/4	1/125, f/4	1/125, f/5.6
Neon signs and other lighted signs	1/30, f/4	1/60, f/4	1/125, f/4	1/125, f/5.6	1/125, f/8
Store Windows	1/30, f/2.8	1/30, f/4	1/60, f/4	1/60, f/5.6	1/60, f/8
Subjects lighted by streetlights	1/4, f/2	1/8, f/2	1/15, f/2	1/30, f/2	1/30, f/2.8
Floodlighted buildings, fountains, monuments***	1 sec, f/4	1/2, f/4	1/15, f/2	1/30, f/2	1/30, f/2.8
Skyline - distant view of lighted buildings at night	4 sec, f/2.8	2 sec, f/2.8	1 sec, f/2.8	1 sec, f/4	1 sec, f/5.6
Skyline - 10 min. after sunset	1/30, f/4	1/60, f/4	1/60, f/5.6	1/125, f/5.6	1/125, f/8
Fairs, amusement parks	1/15, f/2	1/30, f/2	1/30, f/2.8	1/60, f/2.8	1/60, f/4
Amusement park rides - light patterns	4 sec, f/16	2 sec, f/16	1 sec, f/16	1 sec, f/22	-
Fireworks - displays on the ground	1/30, f/2.8	1/30, f/4	1/60, f/4	1/60, f/5.6	1/60, f/8
Fireworks - aerial displays (Keep shutter open on Bulb or Time for several bursts)	f/8	f/11	f/16	f/22	f/32
Lightning (Keep shutter open on Bulb or Time for one or two streaks of lightning)	f/5.6	f/8	f/11	f/16	f/22
Burning buildings, campfires, bonfires	1/30, f/2.8	1/30, f/4	1/60, f/4	1/60, f/5.6	1/125, f/5.6
Subjects by campfires, bonfires	1/8, f/2	1/15, f/2	1/30, f/2	1/30, f/2.8	1/30, f/4
Night football, baseball, racetracks ***	1/30, f/2.8	1/60, f/2.8	1/125, f/2.8	1/250, f/2.8	1/250, f/4
Niagara Falls - White lights	15 sec, f/5.6	8 sec, f/5.6	4 sec, f/5.6	4 sec, f/8	4 sec, f/11
Niagara Falls - Light colored lights	30 sec, f/5.6	15 sec, f/5.6	8 sec, f/5.6	4 sec, f/5.6	4 sec, f/8
Niagara Falls - Dark colored lights	30 sec, f/4	30 sec, f/5.6	15 sec, f/5.6	8 sec, f/5.6	4 sec, f/5.6
Moonlighted - Landscapes	30 sec, f/2	15 sec, f/2	8 sec, f/2	4 sec, f/2	4 sec, f/2.8
Moonlighted - Snow scenes	15 sec, f/2	8 sec, f/2	4 sec, f/2	4 sec, f/2.8	4 sec, f/4
Basketball, hockey, bowling*	1/30, f/2	1/60, f/2	1/125, f/2	1/125, f/2.8	1/250, f/2.8
Boxing, wrestling*	1/60, f/2	1/125, f/2	1/250, f/2	1/250, f/2.8	1/250, f/4
Stage shows - Average*	1/30, f/2	1/30, f/2.8	1/60, f/2.8	1/125, f/2.8	1/125, f/4
Stage shows - Bright*	1/60, f/2.8	1/60, f/4	1/125, f/4	1/250, f/4	1/250, f/5.6
Circuses - Floodlighted acts*	1/30, f/2	1/30, f/2.8	1/60, f/2.8	1/125, f/2.8	1/250, f/2.8
Circuses - Spotlighted acts (Carbon arc)**	1/60, f/2.8	1/125, f/2.8	1/250, f/2.8	1/250, f/4	1/250, f/5.6
Ice Shows - Floodlighted acts*	1/30, f/2.8	1/60, f/2.8	1/125, f/2.8	1/250, f/2.8	1/250, f/4
Ice shows - Spotlighted acts (Carbon arc)**	1/60, f/2.8	1/125, f/2.8	1/250, f/2.8	1/250, f/4	1/250, f/5.6
Interiors with bright fluorescent light** See also ***	1/30, f/2.8	1/30, f/4	1/60, f/4	1/60, f/5.6	1/125, f/5.6
School - stage and auditorium*	-	1/15, f/2	1/30, f/2	1/30, f/2.8	1/30, f/4
Swimming pool - tungsten light indoors (above water)*	1/15, f/2	1/30, f/2	1/60, f/2	1/60, f/2.8	1/60, f/4
Hospital nurseries*	1/30, f/2	1/30, f/2.8	1/60, f/2.8	1/60, f/4	1/125, f/4
Church interiors - tungsten light*	1 sec, f/5.6	1/15, f/2	1/30, f/2	1/30, f/2.8	1/30, f/4
Stained-glass windows, daytime - photographed from inside**	Use 3 stops more exposure than for outdoor lighting conditions				
Glassware, daytime - photographed from inside**	Use 1 stop more exposure than for the outdoor lighting condition				

\* - Use tungsten balance film for best color

\*\* - Use daylight balanced film for best color

\*\*\* - Use tungsten film, except when lighting at these events is provided by mercury vapor lamps. With mercury and fluorescent lamps, use daylight film. While mercury and fluorescent lighting records best with daylight film, the addition of an FLD filter often provides better color reproduction. Add 1-1/2 stops more exposure with an FLD filter.

If no film is suggested, use either tungsten or daylight.