

Suggested Exposures for Existing-Light Exposures

Picture Subjects	100 ISO	200 ISO	400 ISO	800 ISO	1600 ISO
Home interiors at night—Areas with average light Areas with bright light	1/8 sec <i>f/2</i> 1/15 sec <i>f/2</i>	1/15 sec <i>f/2</i> 1/30 sec <i>f/2</i>	1/30 sec <i>f/2</i> 1/30 sec <i>f/2.8</i>	1/30 sec <i>f/2.8</i> 1/30 sec <i>f/4</i>	1/30 sec <i>f/4</i> 1/60 sec <i>f/4</i>
Candlelight close-ups	1/4 sec <i>f/2</i>	1/8 sec <i>f/2</i>	1/15 sec <i>f/2</i>	1/30 sec <i>f/2</i>	1/30 sec <i>f/2.8</i>
Indoor/outdoor holiday lighting at night, Christmas trees	1/4 sec <i>f/2</i>	1/8 sec <i>f/2</i>	1/15 sec <i>f/2</i>	1/30 sec <i>f/2</i>	1/30 sec <i>f/2.8</i>
Interiors with bright fluorescent lights†	1/30 sec <i>f/2.8</i>	1/30 sec <i>f/4</i>	1/60 sec <i>f/4</i>	1/60 sec <i>f/5.6</i>	1/60 sec <i>f/8</i>
Brightly lighted downtown street scenes (Wet streets add interesting reflections)	1/30 sec <i>f/2</i>	1/30 sec <i>f/2.8</i>	1/60 sec <i>f/2.8</i>	1/60 sec <i>f/4</i>	1/125 sec <i>f/4</i>
Brightly lighted nightclub or theatre districts— Las Vegas or Times Square	1/30 sec <i>f/2.8</i>	1/30 sec <i>f/4</i>	1/60 sec <i>f/4</i>	1/125 sec <i>f/4</i>	1/125 sec <i>f/5.6</i>
Neon signs and other lighted signs	1/30 sec <i>f/4</i>	1/60 sec <i>f/4</i>	1/125 sec <i>f/4</i>	1/125 sec <i>f/5.6</i>	1/125 sec <i>f/8</i>
Store windows	1/30 sec <i>f/2.8</i>	1/30 sec <i>f/4</i>	1/60 sec <i>f/4</i>	1/60 sec <i>f/5.6</i>	1/60 sec <i>f/8</i>
Subjects lighted by street lights	1/4 sec <i>f/2</i>	1/8 sec <i>f/2</i>	1/15 sec <i>f/2</i>	1/30 sec <i>f/2</i>	1/30 sec <i>f/2.8</i>
Floodlighted buildings, fountains, monuments	1 sec <i>f/4</i>	1/2 sec <i>f/4</i>	1/15 sec <i>f/2</i>	1/30 sec <i>f/2</i>	1/30 sec <i>f/2.8</i>
Skyline—10 minutes after sunset	1/60 sec <i>f/2.8</i>	1/60 sec <i>f/4</i>	1/60 sec <i>f/5.6</i>	1/125 sec <i>f/5.6</i>	1/125 sec <i>f/8</i>
Skyline—distant view of lighted buildings at night	2 sec <i>f/2</i>	1 sec <i>f/2</i>	1/2 sec <i>f/2</i>	1/4 sec <i>f/2</i>	1/8 sec <i>f/2</i>
Moving auto traffic on expressways—light patterns	20 sec <i>f/16</i>	10 sec <i>f/16</i>	10 sec <i>f/22</i>	10 sec <i>f/32</i>	5 sec <i>f/32</i>
Fairs, amusement parks	1/15 sec <i>f/2</i>	1/30 sec <i>f/2</i>	1/60 sec <i>f/2</i>	1/60 sec <i>f/2.8</i>	1/60 sec <i>f/4</i>
Amusement-park rides—light patterns	4 sec <i>f/16</i>	2 sec <i>f/16</i>	1 sec <i>f/16</i>	1 sec <i>f/22</i>	—
Fireworks—displays on the ground	1/30 sec <i>f/2.8</i>	1/30 sec <i>f/4</i>	1/60 sec <i>f/4</i>	1/60 sec <i>f/5.6</i>	1/60 sec <i>f/8</i>
Fireworks—aerial displays (Keep shutter open on Bulb for several bursts.)	<i>f/8</i>	<i>f/11</i>	<i>f/16</i>	<i>f/22</i>	<i>f/32</i>
Lightning (Keep shutter open on Bulb for one or more streaks of lightning.)	<i>f/5.6</i>	<i>f/8</i>	<i>f/11</i>	<i>f/16</i>	<i>f/22</i>
Burning buildings, campfires, bonfires (flames)	1/30 sec <i>f/2.8</i>	1/30 sec <i>f/4</i>	1/60 sec <i>f/4</i>	1/125 sec <i>f/4</i>	1/125 sec <i>f/5.6</i>
Subjects lighted by campfires, bonfires	1/8 sec <i>f/2</i>	1/15 sec <i>f/2</i>	1/30 sec <i>f/2</i>	1/30 sec <i>f/2.8</i>	1/30 sec <i>f/4</i>
Night football, soccer, baseball, racetracks§	1/30 sec <i>f/2.8</i>	1/60 sec <i>f/2.8</i>	1/125 sec <i>f/2.8</i>	1/250 sec <i>f/2.8</i>	1/500 sec <i>f/2.8</i>
Baseball, hockey, bowling	1/30 sec <i>f/2</i>	1/60 sec <i>f/2</i>	1/125 sec <i>f/2</i>	1/125 sec <i>f/2.8</i>	1/250 sec <i>f/2.8</i>
Boxing, wrestling	1/60 sec <i>f/2</i>	1/125 sec <i>f/2</i>	1/250 sec <i>f/2</i>	1/250 sec <i>f/2.8</i>	1/250 sec <i>f/4</i>
Stage shows—Average Bright	1/30 sec <i>f/2</i> 1/60 sec <i>f/2.8</i>	1/30 sec <i>f/2.8</i> 1/60 sec <i>f/4</i>	1/60 sec <i>f/2.8</i> 1/125 sec <i>f/4</i>	1/125 sec <i>f/2.8</i> 1/250 sec <i>f/4</i>	1/125 sec <i>f/4</i> 1/250 sec <i>f/5.6</i>
Circuses—Floodlighted acts Spotlighted acts (carbon-arc)	1/30 sec <i>f/2</i> 1/60 sec <i>f/2.8</i>	1/30 sec <i>f/2.8</i> 1/125 sec <i>f/2.8</i>	1/60 sec <i>f/2.8</i> 1/250 sec <i>f/2.8</i>	1/125 sec <i>f/2.8</i> 1/250 sec <i>f/4</i>	1/250 sec <i>f/2.8</i> 1/250 sec <i>f/5.6</i>
Ice shows—Floodlighted acts Spotlighted acts (carbon-arc)	1/30 sec <i>f/2.8</i> 1/60 sec <i>f/2.8</i>	1/60 sec <i>f/2.8</i> 1/125 sec <i>f/2.8</i>	1/125 sec <i>f/2.8</i> 1/250 sec <i>f/2.8</i>	1/250 sec <i>f/2.8</i> 1/250 sec <i>f/4</i>	1/250 sec <i>f/4</i> 1/250 sec <i>f/5.6</i>
School—stage and auditorium	—	1/15 sec <i>f/2</i>	1/30 sec <i>f/2</i>	1/30 sec <i>f/2.8</i>	1/60 sec <i>f/2.8</i>
Swimming pool—tungsten light indoors, above water	1/15 sec <i>f/2</i>	1/30 sec <i>f/2</i>	1/60 sec <i>f/2</i>	1/60 sec <i>f/2.8</i>	1/60 sec <i>f/4</i>
Hospital nurseries	1/30 sec <i>f/2</i>	1/30 sec <i>f/2.8</i>	1/60 sec <i>f/2.8</i>	1/60 sec <i>f/4</i>	1/125 sec <i>f/4</i>
Church interiors—tungsten light	1 sec <i>f/5.6</i>	1/15 sec <i>f/2</i>	1/30 sec <i>f/2</i>	1/30 sec <i>f/2.8</i>	1/30 sec <i>f/4</i>