I made these charts for the Zero Image 2000 and Zero Image 4x5 pinhole camera to help me quickly determine the correct exposure time after taking a light meter reading at f/22 with my Sekonic handheld light meter.

I cut them out and then laminated them to make them water proof and they fit neatly into my jacket pocket when I am out in the field with the pinhole camera.

Please feel to use them as you wish

https://www.ianbarberphotography.co.uk
## Zero Image 2000

### Exposure Times

The white column represents the metered exposure time @ f/22

The yellow column represents the actual exposure time

The actual metered time does not include any film reciprocity

<table>
<thead>
<tr>
<th>Exposure Time (f/22)</th>
<th>Metered Time (s)</th>
<th>Actual Exposure Time (s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/125</td>
<td>0.3</td>
<td>3 min 58 s</td>
</tr>
<tr>
<td>1/60</td>
<td>1/2</td>
<td>2 min 37 s</td>
</tr>
<tr>
<td>1/30</td>
<td>1.3</td>
<td>3 min 16 s</td>
</tr>
<tr>
<td>1/15</td>
<td>2.6</td>
<td>3 min 56 s</td>
</tr>
<tr>
<td>1/8</td>
<td>4.9</td>
<td>4 min 35 s</td>
</tr>
<tr>
<td>1/4</td>
<td>9.8</td>
<td>5 min 14 s</td>
</tr>
<tr>
<td>1/2</td>
<td>19.5</td>
<td>5 min 54 s</td>
</tr>
<tr>
<td>1</td>
<td>39</td>
<td>6 min 33 s</td>
</tr>
<tr>
<td>2</td>
<td>1 min 18 s</td>
<td>7 min 12 s</td>
</tr>
</tbody>
</table>
Exposure Times

The white column represents the metered exposure time @ f/22
The yellow column represents the actual exposure time
The actual metered time does **not** include any film reciprocity

### 25mm Extension

<table>
<thead>
<tr>
<th>Zero 2000 - 25mm - f/138 - K39.34 (F22)</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1/125</td>
<td>0.3</td>
<td>3</td>
<td>1min 58s</td>
</tr>
<tr>
<td>1/60</td>
<td>1/2</td>
<td>4</td>
<td>2min 37s</td>
</tr>
<tr>
<td>1/30</td>
<td>1.3</td>
<td>5</td>
<td>3min 16s</td>
</tr>
<tr>
<td>1/15</td>
<td>2.6</td>
<td>6</td>
<td>3min 56s</td>
</tr>
<tr>
<td>1/8</td>
<td>4.9</td>
<td>7</td>
<td>4min 35s</td>
</tr>
<tr>
<td>1/4</td>
<td>9.8</td>
<td>8</td>
<td>5min 14s</td>
</tr>
<tr>
<td>1/2</td>
<td>19.5</td>
<td>9</td>
<td>5min 54s</td>
</tr>
<tr>
<td>1</td>
<td>39</td>
<td>10</td>
<td>6min 33s</td>
</tr>
<tr>
<td>2</td>
<td>1min 18s</td>
<td>11</td>
<td>7min 12s</td>
</tr>
</tbody>
</table>

[https://www.ianbarberphotography.co.uk](https://www.ianbarberphotography.co.uk)
The white column represents the metered exposure time @ f/22

The yellow column represents the actual exposure time

The actual metered time does **not** include any film reciprocity

### 50mm Extension

<table>
<thead>
<tr>
<th>Zero 54 - 50mm - f/176 - K64 (F22)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/125</td>
</tr>
<tr>
<td>1/60</td>
</tr>
<tr>
<td>1/30</td>
</tr>
<tr>
<td>1/15</td>
</tr>
<tr>
<td>1/8</td>
</tr>
<tr>
<td>1/4</td>
</tr>
<tr>
<td>1/2</td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>2</td>
</tr>
</tbody>
</table>

[https://www.ianbarberphotography.co.uk](https://www.ianbarberphotography.co.uk)
Zero Image 5x4
Exposure Times

The white column represents the metered exposure time @ f/22
The yellow column represents the actual exposure time
The actual metered time does **not** include any film reciprocity

**75mm Extension**

<table>
<thead>
<tr>
<th>Zero 54 - 75mm - f/216 - K96.4 (F22)</th>
<th>1/125</th>
<th>1/2</th>
<th>3</th>
<th>4min 49s</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/60</td>
<td>1.5</td>
<td>4</td>
<td>6</td>
<td>6min 26s</td>
</tr>
<tr>
<td>1/30</td>
<td>3.2</td>
<td>5</td>
<td>8</td>
<td>8min 2s</td>
</tr>
<tr>
<td>1/15</td>
<td>6.5</td>
<td>6</td>
<td>9</td>
<td>9min 38s</td>
</tr>
<tr>
<td>1/8</td>
<td>12</td>
<td>7</td>
<td>11</td>
<td>11min 15s</td>
</tr>
<tr>
<td>1/4</td>
<td>24.1</td>
<td>8</td>
<td>12</td>
<td>12min 51s</td>
</tr>
<tr>
<td>1/2</td>
<td>48</td>
<td>9</td>
<td>14</td>
<td>14min 28s</td>
</tr>
<tr>
<td>1</td>
<td>1min 36s</td>
<td>10</td>
<td>16</td>
<td>16min 4s</td>
</tr>
<tr>
<td>2</td>
<td>3min 13s</td>
<td>11</td>
<td>17</td>
<td>17min 40s</td>
</tr>
</tbody>
</table>