



AMERICAN LIGHTHOUSE  
COORDINATING COMMITTEE

**Lamp Identification Committee**

**Photographing Your Lighthouse Lamp**

We would like you to take and send us at least three photos of each lamp.

- A view from the front of the lamp
- A view from the side of the lamp
- A view from the top looking down on the lamp

You should also take photos of any unusual item on the lamp such as a name plate, maker’s markings, etc.

We request that you create the photographs using a digital camera with at least 4 mega-pixels, and using the highest resolution setting of the camera and the finest camera setting for quality. Please do not use a phone camera. After the photographs are taken, please download them onto your computer and then copy them (unaltered) to a CD disk. Send the disk to your region coordinator. We do not want you to change, crop, resize or manipulate the photos in any way prior to putting them on the CD.

Why a camera with at least four mega-pixels? Four mega-pixels are needed because the maximum resolution of a three mega-pixel camera photo is approximately 1600 by 1200 pixels in size. We would like at least one of these dimensions to be 2000 pixels or more in size to give us archival quality photographs. Below are the resolution charts from four mega-pixel, seven mega-pixel, and ten mega-pixel cameras.

**Changing the Resolution and Compression**



You can change the resolution and compression (excluding movies) settings to suit the purpose of the image you are about to shoot.





| Resolution            |   | Purpose  |  |
|-----------------------|---|--|--|
| ↑<br>High<br>↓<br>Low | <b>L</b><br>(Large)<br>2272 x 1704 pixels     | • Print up to A4 size*<br>210 x 297 mm (8.3 x 11.7 in.) prints<br>• Print up to Letter size*<br>216 x 279 mm (8.5 x 11 in.) prints |  |
|                       | <b>M1</b><br>(Medium 1)<br>1600 x 1200 pixels | • Print postcard size 148 x 100 mm (6 x 4 in.) prints<br>• Print L-size 119 x 89 mm (4.7 x 3.5 in.) prints                         |  |
|                       | <b>M2</b><br>(Medium 2)<br>1024 x 768 pixels  | • Print card size 86 x 54 mm (3.4 x 2.1 in.) prints  |  |
|                       | <b>S</b><br>(Small)<br>640 x 480 pixels       | • Send images as e-mail attachments<br>• Shoot more images   |  |

\* Paper sizes vary according to region.

| Compression                 |                              | Purpose   |  |
|-----------------------------|------------------------------|---|--|
| Superfine<br>Fine<br>Normal | High Quality<br>↑↓<br>Normal | Shoot higher quality images<br>Shoot normal quality images<br>Shoot more images |  |

4 mega-pixel chart – only the LARGE setting for camera resolution has one pixel dimension with greater than 2000 pixels and only the Superfine setting for Compression should be used.

## Image Data Sizes (Estimated)

| Recording Pixels   | Compression   |   |   |
|--|---|---|---|
|  |  |  |  |
| <b>L</b> (3072 x 2304 pixels)  | 3045 KB   | 1897 KB   | 902 KB  |
| <b>M1</b> (2592 x 1944 pixels)   | 2503 KB   | 1395 KB   | 695 KB  |
| <b>M2</b> (2048 x 1536 pixels)   | 1602 KB   | 893 KB  | 445 KB  |
| <b>M3</b> (1600 x 1200 pixels)   | 1002 KB   | 558 KB  | 278 KB  |
| <b>S</b> (640 x 480 pixels)  | 249 KB  | 150 KB  | 84 KB   |
|  (1600 x 1200 pixels) | –   | 558 KB  | –   |
| <b>W</b> (3072 x 1728 pixels)  | 2304 KB   | 1420 KB   | 678 KB  |

7 mega-pixel chart – only the LARGE, MEDIUM 1 and MEDIUM 2 settings for camera resolution have one pixel dimension with greater than 2000 pixels and only the Superfine setting for Compression should be used. We would still prefer that you use only the highest resolution setting for all photos – in this case the LARGE setting and Superfine Compression.

|            |  |
|------------|--|
| File size: | (1) Large/Fine: Approx. 3.8MB (3888 x 2592 pixels)                       |
|            | (2) Large/Normal: Approx. 2.0MB (3888 x 2592 pixels)                     |
|            | (3) Medium/Fine: Approx. 2.3MB (2816 x 1880 pixels)                      |
|            | (4) Medium/Normal: Approx. 1.2MB (2816 x 1880 pixels)                    |
|            | (5) Small/Fine: Approx. 1.3MB (1936 x 1288 pixels)                       |
|            | (6) Small/Normal: Approx. 0.7MB (1936 x 1288 pixels)                     |
|            | (7) RAW: Approx. 9.8MB (3888 x 2592 pixels)                              |
|            | * Exact file sizes depend on the subject, ISO speed, Picture Style, etc. |

10 mega-pixel chart – only the LARGE and MEDIUM settings for camera resolution have one pixel dimension with greater than 2000 pixels and only the Fine setting for Compression should be used. We would still prefer that you use only the highest resolution setting for all photos – in this case the LARGE setting and Fine Compression. Our overall goal is to capture photographs with the highest possible resolution and the least possible amount of compression. Large resolution and Fine or Superfine compression (the best available setting for your camera) will meet our goals.

After the photographs are taken, please download them onto your computer and then copy them (unaltered) to a CD disk. Send the disk to your region coordinator. We do not want you to change, crop, resize or manipulate the photos in any way prior to putting them on the CD.