



SPEEDLITE EL-100

Supplemental Information



Manual Flash Guide Numbers

ISO 100, in approx. meters / feet

| Flash Output | Flash Coverage (mm) | |
|--------------|---------------------|-------------|
| | 24 | 50 |
| 1/1 | 21.0 / 68.9 | 26.0 / 85.3 |
| 1/2 | 14.8 / 48.6 | 18.4 / 60.4 |
| 1/4 | 10.5 / 34.4 | 13.0 / 42.7 |
| 1/8 | 7.4 / 24.3 | 9.2 / 30.2 |
| 1/16 | 5.3 / 17.4 | 6.5 / 21.3 |
| 1/32 | 3.7 / 12.1 | 4.6 / 15.1 |
| 1/64 | 2.6 / 8.5 | 3.3 / 10.8 |
| 1/128 | 1.9 / 6.2 | 2.3 / 7.5 |

Maximum Continuous Stroboscopic Flash Count

| Flash Output \ Hz | 1 | 2-3 | 4 | 5 | 6 | 7 | 8-9 |
|-------------------|----|-----|----|----|----|----|-----|
| 1/4 | 4 | 3 | 3 | 3 | 2 | 2 | 2 |
| 1/8 | 7 | 7 | 6 | 5 | 5 | 5 | 4 |
| 1/16 | 15 | 15 | 12 | 12 | 12 | 12 | 8 |
| 1/32 | 30 | 30 | 25 | 25 | 25 | 25 | 25 |
| 1/64 | 50 | 50 | 40 | 40 | 40 | 35 | 35 |
| 1/128 | 80 | 80 | 70 | 70 | 60 | 60 | 60 |

| Flash Output \ Hz | 10-14 | 15-19 | 20-50 | 60-199 | 250-500 |
|-------------------|-------|-------|-------|--------|---------|
| 1/4 | 2 | 2 | 2 | 2 | 2 |
| 1/8 | 4 | 4 | 4 | 4 | 4 |
| 1/16 | 8 | 8 | 8 | 8 | 8 |
| 1/32 | 20 | 18 | 16 | 12 | 10 |
| 1/64 | 30 | 25 | 20 | 15 | 10 |
| 1/128 | 60 | 50 | 40 | 40 | 30 |

With “----” flash count display

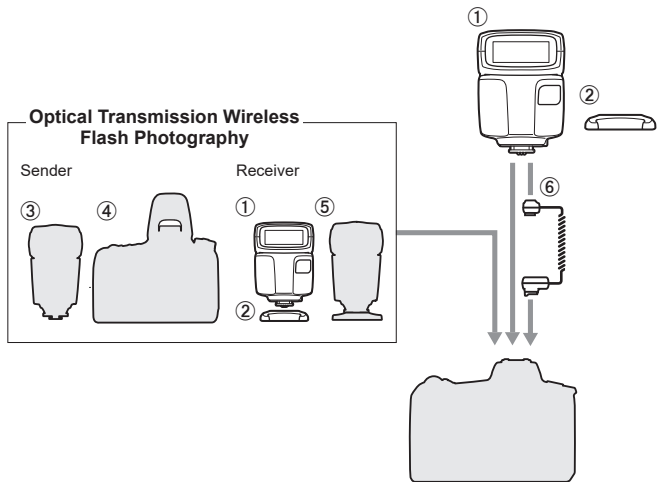
● When set to 1-199 Hz

| Flash Output | 1/4 | 1/8 | 1/16 | 1/32 | 1/64 | 1/128 |
|---------------------|-----|-----|------|------|------|-------|
| Maximum Flash Count | 2 | 4 | 8 | 12 | 15 | 40 |

● When set to 250-500 Hz

| Flash Output | 1/4 | 1/8 | 1/16 | 1/32 | 1/64 | 1/128 |
|---------------------|-----|-----|------|------|------|-------|
| Maximum Flash Count | 2 | 4 | 8 | 10 | 10 | 30 |

EL-100 System



- ① **Speedlite EL-100**
- ② **Mini stand** (provided with EL-100)
- ③ **Speedlite/Macro Lite/Transmitter** equipped with optical transmission wireless sender function
- ④ **EOS DIGITAL** cameras equipped with optical transmission wireless sender function by built-in flash
- ⑤ **Speedlite** equipped with optical transmission wireless receiver function
Models that do not support flash group switching must be used as group A receivers.
- ⑥ **Off-Camera Shoe Cord OC-E3**

Specifications

● Type

| | |
|-------|--|
| Type: | E-TTL II/E-TTL autoflash Shoe-mount Speedlite |
|-------|--|

● Flash Head (Light-emitting unit)

| | |
|---|--|
| Guide No.: | Approx. 26.0/85.3 (at 50 mm flash coverage, ISO 100, in meters / feet) Shoe-mount Speedlite |
| Flash coverage: | Supports a shooting angle of view with a lens focal length of 24–50 mm (RF/EF lenses) or 15–30 mm (EF-S/EF-M lenses) |
| Flash duration (normal firing): | 1/1 flash: Approx. 1/1100 sec. 1/2 flash: Approx. 1/2000 sec. 1/4 flash: Approx. 1/4100 sec. 1/8 flash: Approx. 1/7300 sec. 1/16 flash: Approx. 1/12000 sec. 1/32 flash: Approx. 1/17000 sec. 1/64 flash: Approx. 1/23000 sec. 1/128 flash: Approx. 1/28000 sec. |
| Color temperature information transmission: | Flash light color temperature information transmitted to camera when flash is fired |

● Exposure Control

| | |
|-------------------------------------|--|
| Exposure control: | E-TTL II/E-TTL autoflash, manual flash, stroboscopic Effective flash metering |
| Effective flash metering range: | Approx. 0.7–18.6 m / 2.3–61.0 ft. High-speed sync: Approx. 0.7–9.1 m / 2.3–29.9 ft. (at 1/250 sec.) |
| (with EF50mm f/1.4 lens at ISO 100) | |
| Flash exposure compensation: | ±3 stops |
| Manual flash: | 1/1–1/128 power |

● Flash Recharge

| | |
|------------------|--|
| Firing interval: | Approx. 0.1–5.8 sec. |
| (Recharge time) | * When using AA/LR6 alkaline batteries |

● AF-Assist Beam

| | |
|---------------------|--|
| Method: | Intermittent flashes (A series of small flashes) |
| Effective distance: | Approx. 4 m / 13.1 ft. (at center) |

● Optical Transmission Wireless Function

| | |
|------------------------|---|
| Communication method: | Optical pulse |
| Wireless settings: | Sender/Receiver |
| Transmission channel: | Ch. 1–4 |
| Receiver unit setting: | Flash groups A, B, C |
| Transmission range: | Indoors: approx. 0.7–11 m / 2.3–36.1 ft. Outdoors: approx. 0.7–8 m / 2.3–26.2 ft. (at the front) |

● Customization Features

| | |
|-------------------|---------|
| Custom Functions: | 3 types |
|-------------------|---------|

● Power Source

| | |
|-------------------------|---|
| Speedlite power source: | Two AA/LR6 alkaline batteries * AA/HR6 Ni-MH batteries can be used |
| Total flash count: | Approx. 58–400 * When using AA/LR6 alkaline batteries |
| Auto power off: | Power off after approx. 90 sec. of idle operation * When set as receiver unit: approx. 60 min. |

● Dimensions and Weight

| | |
|-------------------------|---|
| Dimensions (W x H x D): | Approx. 64.6 x 91.7 x 71.0 mm / 2.54 x 3.61 x 2.79 in. |
| Weight: | Approx. 190 g / 6.7 oz. (Speedlite only, excluding batteries) |

● Operation Environment

| | |
|----------------------------|-----------------------|
| Working temperature range: | 0°C–45°C / 32°F–113°F |
| Working humidity: | 85% or less |

- All specifications above are based on Canon's testing standards.
- Product specifications and the exterior are subject to change without notice.