Canon
SEE IMPOSSIBLE

SPEEDLITE EL-5

Specifications

Flash

Compatible Cameras

EOS cameras equipped with a Multi-purpose Shoe

Flash Coverage (Focal length; for 35mm full-frame)

14mm	Wide Panel: Manual * Not compatible with EF15mm f/2.8 Fisheye or EF8-15mm f/4L Fisheye USM shooting angles of view
24mm	Zoom • A: Auto Flash coverage is set automatically, accounting for [Auto zoom for sensor size] and [Light distribution] settings at the lens focal length. • M: Manual Flash coverage is set manually [Auto zoom for sensor size] and [Light distribution] settings are not taken into account.
28mm	
35mm	
50mm	
70mm	
80mm	
105mm	
135mm	
200mm	

Guide Number

- The Guide No. is approximately 48.6 ft./14m at ISO 100.
  -When the extendable wide panel is pulled out, the flash coverage is 14mm.
- The maximum Guide No. is approximately 196.9 ft./60m at ISO 100 and 200mm flash coverage.
  -When the extendable wide panel is pulled out, the flash coverage is 14mm.

Maximum Energy

76 Ws.

Flash Modes (Exposure Control Modes)

Flash Mode	Flash Exposure Compensation	FEB	FE Lock	Wireless	
				Radio Transmission	Optical Transmission
E-TTL II/E-TTL autoflash*1	Yes	Yes	Yes	Yes	
Manual Flash				Yes	
Stroboscopic Flash				Yes	
Auto External Flash Metering					
Manual External Flash Metering					
Continuous Shooting Priority Mode					
Group Firing*2	Yes	Yes	Yes*3	Yes	

*1: Set automatically when the camera shooting mode is set to Basic Zone modes.

*2: Can only be set when the Speedlite is used as a sender in radio transmission wireless operation.

*3: Only groups set to E-TTL II / E-TTL autoflash.

<table>
<tr><td>Flash Exposure Compensation</td><td>±3 stops, in 1/3-stop or 1/2-stop*¹ increments.
* The Speedlite's flash exposure compensation takes precedence if flash exposure compensation is performed by both the Speedlite and the camera. Users who prefer to enable flash exposure compensation by the camera should set flash exposure compensation by the Speedlite to 0.
*1: Corresponds to exposure level increments on the camera.</td></tr>
<tr><td>FEB</td><td>±3 stops, in 1/3-stop or 1/2-stop*¹ increments.
* FEB is automatically deactivated after three shots.
* Can be used with flash exposure compensation and FE lock.
*1: Corresponds to exposure level increments on the camera.</td></tr>
<tr><td>FE Lock</td><td>Supported</td></tr>
<tr><td>FE Memory</td><td>Supported
• Stores the flash output of E-TTL II / E-TTL autoflash and automatically sets the stored output level if users switch the flash mode to manual flash.
* Flash output may vary slightly between E-TTL autoflash and manual flash.

• Colors may vary between E-TTL autoflash and manual flash under the following conditions:\
* When the color temperature of the Speedlite light differs greatly from that of ambient lighting and flash exposure compensation is set toward the negative end.
* When E-TTL balance is set to [Ambience priority].

• Differences in colors between E-TTL autoflash and manual flash may be reduced by taking one of the follow steps:
* Using the provided color filter.
* Setting white balance to an option other than AWB.

Set in P.Fn-04
<table><tr><td>0: Off</td><td>Disabled</td></tr><tr><td>1: On</td><td>Enabled</td></tr><tr><td>2: On / Mode ETTL - M</td><td>Enabled/ One-touch switching between E-TTL autoflash and manual flash</td></tr></table></td></tr>
<tr><td>Number of Flashes</td><td>Approx. 350–2,450 flashes.
* With a fully charged Battery Pack LP-EL.
* Based on Canon Testing Standards.</td></tr>
<tr><td>Recharge Time</td><td><table><tr><th rowspan="2">Power Supply</th><th colspan="2">Recharge Time (approx.)</th></tr><tr><th>Normal Flash</th><th>Quick Flash</th></tr><tr><td>Speedlite EL-5 w/LP-EL</td><td>0.1-1.2 sec.</td><td>0.1-1.0 sec.</td></tr></table>* Based on Canon Testing Standards</td></tr>
<tr><td>Flash Range</td><td>Effective flash range with EF 50mm f/1.4 lens at ISO 100 [Light distibution: Standard]
1) Normal Flash: Approx. 1.6–100.1 ft./0.5–30.5m
2) Quick Flash (Flash-ready lamp: blinking): Approx. 1.6–61.0 ft./0.5–18.6m
3) High-speed Sync (at 1/250 sec. shutter speed): Approx. 1.6–44.9 ft./0.5–13.7m</td></tr>
</table>

<table>
<tr><td rowspan="3">AF Assist Beam</td><td>System:
LED AF-assist beam</td></tr>
<tr><td>Compatible AF System:-
Dual Pixel CMOS AF

Light emitted: Visible Light (white LEDs)</td></tr>
<tr><td>Effective Range (Approx.):
At center: 2.0–32.8 ft./0.6–10.0m</td></tr>
<tr><td colspan="2">Modeling Lamp</td></tr>
<tr><td>Modeling Lamp</td><td>Supported
The modeling lamp (LED turns on under the following conditions
<table>
<tr><td>Brightness*1</td><td>Manual setting: 1 (Low) to 5 (High)
*Default setting: 5 (High)</td></tr>
<tr><td>Color temperatue</td><td>Not supported</td></tr>
<tr><td>On</td><td>Illuminated in response to the following operations
• Pressing the <LAMP> button
• Pressing the shutter button halfway twice (with C.Fn-18 set to 1)</td></tr>
<tr><td>Off</td><td>Off under the following conditions
• Releasing the shutter button
• Pressing the <LAMP> button
• Pressing the shutter button halfway twice (with C.Fn-18 set to 1)
• Timer: 5 min. / 30 min. / Unlimited (can be changed in P.Fn-07)</td></tr>
</table>
*1: set in P.Fn-06

Higher LED temperatue from prolonged illumination triggers the following safety functions
<table>
<tr><th rowspan="2">Temperature in-crease</th><th colspan="2">LCD Panel</th><th rowspan="2">Modeling Lamp Operation</th></tr>
<tr><th>Icon display</th><th>Illumination</th></tr>
<tr><td>Level 1</td><td>  </td><td>On</td><td>Modeling lamp brightness is lowered one level, if at the maximum level</td></tr>
<tr><td>Level 2</td><td>  </td><td>Blinking
(2 Hz)</td><td>Modeling lamp is turned off</td></tr>
</table></td></tr>
<tr><td colspan="2">Wireless Functions for Radio Transmission</td></tr>
<tr><td>Wireless Settings</td><td>
<table>
<tr><td>Sender</td><td>Supported
*Secondary and additional units serve as sub-senders and display a "SUB SENDER" icon.
* Sub-senders cannot be remotely controlled by a receiver unit</td></tr>
<tr><td>Receiver</td><td>Supported</td></tr>
</table></td></tr>
</table>

Communication Functions

Compliance standards	IEEE 802.15.4, ARIB STD-T66
Communication method	Primary modulation: OQPAK Secondary modulation: DS-SS
Transmission frequency	2405-2475 MHz
Channel	Channel 1-15 Setting: Auto / Manual
Wireless radio ID	0000 to 9999 Setting: Manual
Transmission range*1*2	Approx. 98.4 ft. / 30 m
Groups	Up to 5 groups (A-E) * Sender units are set to Group A
Number of possible units for communication	Up to 16 units of senders and receivers in total
Max. sender units	Up to 15 * Secondary and additional units serve as sub-senders
Max. receiver units	Up to 15

*1: Without any obstructions between senders and receivers, and without radio interference from other devices.

*2: Transmission range may be shorter depending on factors such as how units are arranged, the surrounding environment, and weather conditions.

Transmission Status Display

Transmission status	Display		<LINK> lamp	LCD Panel
	Sender	Receiver		
Connected	Yes	Yes	On (in green)	Sender, Receiver
Not Connected	Yes	Yes	Off	Sender, Receiver
Too many units/Error	Yes		Off	Sender, Receiver
Sub-sender	Yes		On (in green)	Sub Sender
Confirmation of linked shooting	Yes		On (in green)	RELEASE

Wireless Firing Control

Wireless firing control via radio transmission

Flash Mode	E-TTL II / E-TTL autoflash	
	Manual flash	
	Stroboscopic flash	
	Group firing	E-TTL II / E-TTL autoflash
		Manual flash
		Auto external flash metering

E-TTL II / ETTL autoflash details

ALL
A:B
A:B+C

Manual flash details

ALL	Flash output setting: 1/1024*1,2 to 1/1
A+B	Flash output setting: 1/1024*1,2 to 1/1
A+B+C	Flash output setting: 1/1024*1,2 to 1/1

1: Minimum of 1/128 for high-speed sync
2; Speedlites not supporting minimum flash output of 1/1024 fire at a level close to 1/1024

Stroboscopic flash details

Flash count	1-100
Flash frequency	1-500 Hz
ALL	Flash output setting: 1/1024 to 1/4
A+B	Flash output setting: 1/1024 to 1/4
A+B+C	Flash output setting: 1/1024 to 1/4

Group firing details	Enables separate configuration of flash firing control conditions 1-3 below for each groups (A, B, C, D, E), to combine multiple methods of flash firing control. (1) E-TTL II / E-TTL autoflash (2) Manual flash (3) Auto external flash metering For all flash output set for groups A-E above, the same flash exposure compensation can be set. * Flash exposure compensation ±3 stops
Test flash	Available (Sender/Receiver)
Modeling flash	Not available
Modeling lamp	Available (Sender only)
Remote control from a receiver	Functions on sender units that can be controlled remotely from receiver units: •Remote release •Test flash •Modeling flash*1,2 * Sub-senders cannot be controlled remotely *1. Modeling flash is available with R6 Mark II serving as a receiver used both with other Speedlites featuring sender functionality and with cameras supporting modeling flash that are equipped with a conventional accessory shoe, such as the EOS-1D X Mark III. 2. In the arrangement described above, modeling flash can be activated from the camera (DOF preview button)
Information Display	
Type	Reflective memory LCD (normally black)
Size	Approx. 1.89(H) x 1.04(V) in.
Display Format	Dot-matrix display
Dot Count	Approx. 56,000 dots (320x176)
General	
Power Source	Battery Pack LP-EL * AA/LR6 Alkaline Batteries and Ni-MH batteries cannot be used.
Battery Charger	Battery Charger LC-E6 /LC-E6E Car Battery Charger CBC-E6
External Power Source	Not Supported
PC Terminal	Not Supported
Modeling Lamp Illumination Time	Approx 4 hrs. 30 min. Continously * With Ph P.Fn-07 set to [2], and using a fully charged Battery Pack LP-EL
Dust-and-Water Resistance	Supported * Water-resistant performance to EOS R5
Dimensions (W x H x D)	Approx 3.2" x 5.5" x 4.9"
Weight (Approx.)	17.3 oz. (Body Only) 21.4 oz. (Body and Battery

Functions

Light Distribution

Set in C.Fn-21

0: Standard	A light distribution setting that balances light distribution and the guide number.
1: Guide number priority	Prioritizes illumination at the center of the screen, the periphery may be dark.
2: Light distribution priority	Light distribution that reduces peripheral darkness.

Custom Functions

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Function	Number	Setting
C.Fn-00: Distance indicator display	0	m (display in meters)
	1	ft. (display in feet)
C.Fn-01: Auto power off	0	ON (90 sec.)
	1	OFF
C.Fn-03: FEB auto cancel	0	ON
	1	OFF
C.Fn-04: FEB sequence	0	0 -> - -> +
	1	_->0-> +
C.Fn-08: AF-assist beam firing	0	ON
	1	OFF
C.Fn-10: Receiver auto power off timer	0	60 min.
	1	10 min.
C.Fn-11: Receiver auto power off timer	0	Within 8 hours
	1	Within 1 hour
C.Fn-12: Flash recycle with external power	0	External and internal pwer
	1	External power only
C.Fn-13: Flash exposure compensation setting	0	Button and dial
	1	Direct setting with the dial
C.Fn-18: Modeling lamp activation	0	<LAMP> button
	1	Press the shutter button halfway twice
C.Fn-21: Light distribution	0	Standerd
	1	Guide number priority
	2	Even coverage
C.Fn-22: LCD panel illumination	0	Stay on for 12 sec. after operation
	1	Disable panel illumination
	2	Illumination always on

Personal Functions

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Function	Number	Setting
P.Fn-01: Quick Flash	0	ON
	1	OFF
P.Fn-02: Flash Firing during linked shooting	0	OFF
	1	ON
P.Fn-03: Change settings with dial	0	OFF
	1	ON
P.Fn-04: FE memory	0	OFF
	1	ON
	2	ON / MODE: ETTL<-> M
P.Fn-05: Beep	0	ON
	1	OFF
P.Fn-06: Modeling lamp (brightness, color)		Brightness: 5 levels
P.Fn-07: Modeling lamp (lit time)	0	5 min.
	1	30 min.
	2	Unlimited
P.Fn-08: Joystick customization		< > Menu direct
		<MODE> Flash mode
		< > Wireless /linked shooting
		< > FEC/Flash output
		<ZOOM> Flash zoom
		<SYNC> Shutter synchronization
		< > Modeling lamp intensity