

# Profoto unveils the B20 & B30

## Refined to perfection



**Profoto is proud to introduce the Profoto B20 and B30, the latest advancements in its industry-leading compact flash series. Building upon the trusted foundation of the B10-range, these new flashes bring faster performance, a class leading powerful LED, and greater versatility to photographers and content creators worldwide.**

Designed for professionals who demand reliability in any environment, the B20 and B30 are built to endure. Their sturdiness and rubberized surface ensure a secure grip and long-lasting durability, even when using the heaviest modifiers. "Regardless of location, these flashes are ready for any creative challenge" says Göran Marén, Product Manager at Profoto.

With a 13% faster recycle time than the B10Xs', photographers will never miss a critical moment. The new user-replaceable flash tube allows for seamless on-set swaps, keeping workflows smooth and uninterrupted. A wide power range provides unmatched creative flexibility, from subtle fill light to powerful illumination.

To further enhance adaptability, the B20 and B30 introduce three flash modes: There are three flash modes: ECO for increased

equipment lifetime, Boost for a little extra power, and Freeze for the shortest flash duration and elimination of motion blur.

For hybrid photo and video professionals, the built-in bi-color LED now boasts 50% more output than its predecessors, offering an improved continuous light source for video shoots, live streaming, and on-location setups.

With Profoto's renowned Light Shaping System, you have over 120 modifiers and accessories to turn your creative vision into reality. The B20's and B30' features the renowned and intuitive Profoto UI, which practically eliminates dealing with cumbersome technical settings.

"As with all Profoto products, the B20 and B30 are engineered with premium components and meticulous attention to detail, ensuring unmatched reliability and consistent color accuracy. With unrivaled reliability, speed, and precision, these flashes are built to work as hard as photographers do," concludes Göran Marén, Product Manager at Profoto.

# Product information

## Profoto B20

2025.06.10



### Technical specifications

#### Overview

Product: B20  
Regulatory model: PCA1608

#### Flash

Max energy: 250 Ws  
Energy range: 11 f-stops (0.25-250 Ws)  
Energy control increments: 0.1 f-stops (0.1-10)  
Recycling time:  
Eco mode: 0.01-1.1 s  
Boost/Freeze mode: 0.01-1.2 s  
Energy stability:  
<0.1 f-stop at energy 5.0-10  
<0.2 f-stop at energy 0.1-4.9  
Flash modes: Eco (Normal), Boost and Freeze  
Flash duration t0.1:  
Eco mode: 1/500 s (10) - 1/10800 s (0.1)  
Boost mode: 1/500 s (10) - 1/10300 s (0.1)  
Freeze mode: 1/500 s (10) - 1/11700 s (0.1)  
Flash duration t0.5:  
Eco mode: 1/1500 s (10) - 1/14500 s (0.1)  
Boost mode: 1/1500 s (10) - 1/15200 s (0.1)  
Freeze mode: 1/1500 s (10) - 1/38100 s (0.1)  
Color temperature:  
Eco mode: 6000K +-100K  
Boost mode: 6000K +-100K  
Freeze mode: 6000K (10) - 9000K (0.1)  
Max f-stop @ 2m / 100 ISO:  
Bare: 11 7/10  
OCF Magnum: 22 3/10  
Magnum: 22 9/10  
Beam angle: 66°  
Field angle: 111°

#### Continuous light

Lamp type: LED  
Max power: 40 W  
Dimming range: 100-1%  
Color temperature: 2800K - 7000K (±500K)  
Color rendering Index (CRI): >94  
Max luminous flux (lumen): 5000 lm  
Max illuminance @ 1m (lux): Bare: 1700 lx  
OCF Magnum: 8500 lx  
Magnum: 8000 lx  
Beam angle: 63°  
Field angle: 105°

#### Wireless connectivity

Built-in connectivity: Profoto AirX  
Frequency band: 2.4 GHz  
Supported Profoto Air functions: Sync, TTL, HSS, Remote control (Air 1 and Air 2)  
No of Air channels: 100 (1-100)  
No of groups per Air channel: 6 (A-F)  
Supported apps for Bluetooth devices: Profoto Camera and Profoto Control apps  
Wireless operating range:  
With Profoto remotes: 0.5 - 100 m (1.5- 330 ft)\*  
With Bluetooth devices: 0.1- 30 m (0.3-90 ft)  
\* in optimal conditions up to 300 m (1000 ft)

#### Connectors

Sync: 1 x 3.5 mm socket (mini-phone)  
Other: USB-C service port

#### Powering

Power supply: Profoto Li-Ion battery 4S1P  
Mains fuse requirement: N/A  
Battery capacity: 43,2Wh  
up to 400 full power flashes  
up to 50 minutes full continuous light  
Battery charger: Profoto battery charger 3A  
Battery charging time: < 90 minutes

#### Other

Firmware update: Via Bluetooth  
Photocell/IR-slave: Yes  
Stand adapter: Yes for standard 5/8 studs  
Umbrella mount: Yes (in stand adapter)  
Operating temperature:  
0 °C to +35 °C  
+32 °F to +95 °F  
Storage temperature: Store in normal indoor conditions

#### Measurements

Width: 11 cm / 4.3 in  
Length: 21,0 cm / 8.27 in  
Height: 16 cm / 6.3 in with stand adapter  
11 cm / 4.3 in without stand adapter  
Weight:  
1,9 kg / 4.3 lb with battery and stand adapter  
1.5 kg / 3.3 lb without battery and stand adapter

Optional handle is sold separately.  
The handle weight is 104 grams (3.7 oz)

# Product information

## Profoto B30

2025.06.10



### Technical specifications

#### Overview

Product: B30 (Hera II)  
Regulatory model: PCA1609

#### Flash

Max energy: 500 Ws  
Energy range: 11 f-stops (0.5-500 Ws)  
Energy control increments: 0.1 f-stops (0.1-10)  
Recycling time:  
Eco mode: 0.01-1.8s  
Boost/Freeze mode: 0.01-2.1 s  
Energy stability:  
<0.05 f-stop at energy 3.0-10  
<0.1 f-stop at energy 0.1-2.9  
Flash modes: Eco (Normal), Boost and Freeze  
Flash duration t0.1:  
Eco mode: 1/300 s (10) - 1/5000 s (0.1)  
Boost mode: 1/300 s (10) - 1/6200 s (0.1)  
Freeze mode: 1/300 s (10) - 1/9800 s (0.1)  
Flash duration t0.5:  
Eco mode: 1/900 s (10) - 1/10700 s (0.1)  
Boost mode: 1/900 s (10) - 1/13800 s (0.1)  
Freeze mode: 1/900 s (10) - 1/21100 s (0.1)  
Color temperature:  
Eco mode: 6000K +-100K  
Boost mode: 6000K +-100K  
Freeze mode: 6000K (10) - 9000K (0.1)  
Max f-stop @ 2m / 100 ISO: Bare: 16 7/10  
OCF Magnum: 32 3/10  
Magnum: 32 9/10  
Beam angle: 66°  
Field angle: 111°

#### Continuous light

Lamp type: LED  
Max power: 40 W  
Dimming range: 100-1%  
Color temperature: 2800K - 7000K (±500K)  
Color rendering Index (CRI): >94  
Max luminous flux (lumen): 5000 lm  
Max illuminance @ 1m (lux): Bare: 1700 lx  
OCF Magnum: 8500 lx  
Magnum: 8000 lx  
Beam angle: 63°  
Field angle: 105°

#### Wireless connectivity

Built-in connectivity: Profoto AirX  
Frequency band: 2.4 GHz  
Supported Profoto Air functions: Sync, TTL, HSS, Remote control (Air 1 and Air 2)  
No of Air channels: 100 (1-100)  
No of groups per Air channel: 6 (A-F)  
Supported apps for Bluetooth devices: Profoto Camera and Profoto Control apps  
Wireless operating range:  
With Profoto remotes: 0.5 - 100 m (1.5- 330 ft)\*  
With Bluetooth devices: 0.1- 30 m (0.3-90 ft)  
\* in optimal conditions up to 300 m (1000 ft)

#### Flash

Sync: 1 x 3.5 mm socket (mini-phone)  
Other: USB-C service port

#### Powering

Power supply: Profoto Li-Ion battery 4S1P  
Mains fuse requirement: N/A  
Battery capacity: 43,2Wh  
up to 220 full power flashes  
up to 50 minutes full continuous light  
Battery charger: Profoto battery charger 3A  
Battery charging time: < 90 minutes

#### Other

Firmware update: Via Bluetooth  
Photocell/IR-slave: Yes  
Stand adapter: Yes, for standard 5/8 studs  
Umbrella mount: Yes (in stand adapter)  
Operating temperature:  
0 °C to +35 °C  
+32 °F to +95 °F  
Storage temperature: Store in normal indoor conditions

#### Measurements

Width: 11 cm / 4.3 in  
Length: 25.5 cm / 10 in  
Height: 16 cm / 6.3 in with stand adapter  
11 cm / 4.3 in without stand adapter  
Weight:  
2.2 kg / 4.9 lb with battery and stand adapter  
1.8 kg / 4.0 lb without battery and stand adapter

Optional handle is sold separately.  
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### Profoto - About Us

Profoto was founded in Stockholm in 1968 by Eckhard Heine and Conny Dufgran with the resolve to make the very best flash for the very best photographers, and they succeeded. That's a standard that we don't only aim to maintain but to surpass. We believe that light is the indispensable heart of all image creation – no matter the camera, no matter the situation, creating amazing images depends on the ability to master light shaping.

We develop premium lighting solutions for the world's leading studios and photographers, such as David LaChapelle, Martin Schoeller, Annie Leibovitz, Albert Watson, Platon, Camilla Åkrans, Chen Man, Joe McNally.

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### Questions

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This content may not be made public before 2025.06.10

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