

Technical specifications

Overview	
Product	Pro-B3
Product number	901081
Regulatory model	PCA1639
Flash	
Max energy	750 Ws
Energy range	11 f-stops (0.8-750 Ws)
Energy control increments	0.1 f-stops (0.1-10)
Recycling time	Eco mode: 0.01-2.0 s Boost/Freeze mode: 0.01-2.3 s
Energy stability	<0.03 f-stop at energy 3.0-10 <0.06 f-stop at energy 0.1-2.9
Flash modes	Eco (Normal), Boost and Freeze
Flash duration t0.1	Eco mode: 1/600 s (10) - 1/5,500 s (0.1) Boost mode: 1/600 s (10) - 1/5,500 s (0.1) Freeze mode: 1/600 s (10) - 1/15.900 s (0.1)
Flash duration t0.5	Eco mode: 1/1,900 s (10) - 1/7,000 s (0.1) Boost mode: 1/1,900 s (10) - 1/7,000 s (0.1) Freeze mode: 1/1,900 s (10) - 1/75,000 s (0.1)
Color temperature	Eco mode: 6,300K +-100K Boost mode: 6,300K +-100K Freeze mode: 6,400K (10) -9000K (0.1)
Max f-stop @ 2m / 100 ISO	Bare: 22 6/10 Magnum: 45 4/10 OCF Magnum: 32 9/10
Beam angle	65°
Field angle	106°
Continuous light	
Lamp type	LED
Max power	56W
Dimming range	100-1%
Color temperature	5,600K +-100K

Color rendering Index (CRI)	>92
Max luminous flux (lumen)	6,300 lm
Max illuminance @ 1m (lux)	Bare: 2,380 lx Magnum: 16,540 lx OCF Magnum: 25,530 lx
Beam angle	65°
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)
	<i>* in optimal conditions up to 300 m (1000 ft)</i>
Connectors	
Sync	1 x 3.5 mm socket (mini-phone)
Other	USB-C service port
Powering	
Power supply	Profoto Li-Ion battery 4S2P
Battery capacity	80.4 Wh up to 250 full power flashes up to 60 minutes full continuous light
Battery charger	Profoto battery charger 5A
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	14.0 cm / 5.5 in
Length	34.5 cm / 13.58 in
Height	20.0 cm / 7.87 in
Weight	3.45 kg / 7.6 lb without battery 4 kg / 8.8 lb with battery