

Stelos 800 L

Technical Data Sheet



Stelos 800 L	
Flash energy	max. 800 Joules
f-stop at 2m, 100 ISO	
- with Wide angle umbrella reflector Ø 120 mm	22 ³ / ₁₀
- with P70 normal reflector	45 ³ / ₁₀
Flash duration t 0.1 opt (t 0.5 opt)	
- min. energy	1/9'200 s (1/16'000 s)
- max. energy	1/250 s (1/750 s)
Flash duration Speed mode t 0.1 (t 0.5)	
- min. energy	1/11'500 s (1/21'200 s)
- max. energy (power level 1.0 to 6.8 only)	1/5'400 s (1/8'700 s)
Flash duration Shortest Mode t 0.1 min (t 0.5 min)	
- min. energy	1/19'500 s (1/56'400 s)
- max. energy	1/250 s (1/790 s)
Flash recycling time (at 28V) (100% of selected energy)	0.008 - 2.5 s (min. / max. energy)
Number of full power flashes per battery charge	>300
Setting range for flash energy	0.78 - 800 J over 10 f-stop intervals, in steps of 1/10 or full f-stops
Flash colour temperature	adjustable, -100 K to +800 K, depending on selected energy
Modelling light (MOD)	LED 49 Watt typical 2700 to 6500 K
Colour rendering index, CRI (MOD), 100% power	typically 98
Flash release	manual trigger button, photocell, sync cable, with built-in broncolor RFS receiver (compatible with RFS 2.1, RFS 2.2, and RFS 3)
Remote control	bronControl App or bronAPI
Ready indicator	visual (via modelling light) and acoustic (can be switched off)
Extra functions	sequences (flash series) up to 100 flashes alternating (with bronControl App) delay (up to 50 s) High-Speed-Sync (HSS); power level 5.4 to 11.0 only Speed Mode and t 0.1 min for fastest flash times integrated umbrella holder freehand bayonet locking system daily and total flash counter customisable display interface
Display	bright 2.8" LCD with excellent readability
User interface	one rotary controller, two buttons, intuitive, minimalistic or "all at a glance"
Cooling	temperature-controlled fan
Length (Handle to tip of protective glass)	265 mm (10.4 in)

Length (Handle to tip of transport protective cap)	270 mm (10.6 in)
Height (folded stand mount to top of housing)	165 mm (6.5 in)
Width	167 mm (6.6 in)
Weight (without battery, incl. Wide Angle Umbrella Reflector Ø 120 mm, without protective cap)	2'800 g (6.17 lbs)
Weight (incl. battery & Wide Angle Umbrella Reflector Ø 120 mm, without protective cap)	3'390 g (7.47 lbs)
Weight of battery	590 g (1.30 lbs)
Battery	Li-Ion, 88Wh, 28.8V, V-Mount interface, item number: 36.170.00. Can be charged while in use via USB-C (e.g. with broncolor USB-C charger 140 W item number: 36.171.00). Optimal performance can only be guaranteed when using the original broncolor Li-Ion battery 28 V V-Mount (item no. 36.170.00). The use of third-party batteries is at the user's own risk.
Battery dimensions	12.0 x 8.3 x 6.2 cm (4.7 x 3.3 x 2.4 in)
Stand mount	for bolts 12 mm (0.47 in), 3/8" thread and bolts 16 mm (0.63 in)
WiFi	2.4GHz (only Enterprise mode)
Firmware update	WiFi
Temperature range of use	0 °C to 40 °C
Temperature storage	-10 °C to 45 °C
Cognition light	2x (left/right) 5 colours (blue, green, purple, yellow, turquoise)
Compatibility	compatible with broncolor bayonet
Menu languages	English, German, French, Korean, Japanese, Italian, Spanish, Chinese simpl., Polish, Portuguese, Dutch
Warranty period	factory warranty of 2 years from date of purchase (for the first owner)
Approvals	CE, FCC
Standards	Stelos: EN 60598-2-4:2017, EN 60598-1 :2020, EN 55032:2015 (Class A), EN 55035:2017, EN61000-3-2:2019, EN61000-3-3:2013+A1:2019, ETSI EN 301 893 V2.1.1, ETSI EN 300 328 V2.2.2, ICES 003, FCC Title 47 CFR Part 15 sub B, C and E. Battery: UN ST/SG/AC.10/11/Rev.8 part III UN38.3, IEC 62133-2:2017+AMD1:2021
Item number	31.756.XX

*** Typing mistakes, errors and technical changes reserved ***

August 2025 | V1.1