

# broncolor

*stelos*



# Innovation – from Switzerland

Stelos is the latest flagship model among broncolor's mobile monolights. With 800 joules of flash energy, legendary broncolor light quality, and battery operation with simultaneous charging during use, you can make the world your studio.



## Flash Colour Temperature

A first for the Stelos monolight is the variable adjustment of flash colour temperature – a feature previously reserved for high-end power packs. Depending on the power setting, the flash colour temperature can be adjusted from -100 K to +800 K. The LED modelling light is adjustable from 2700 to 6500 K.



## V-Mount Battery

Thanks to the universal V-Mount interface, you can use high-quality batteries from broncolor as well as compatible third-party suppliers. Charging is conveniently possible either with the included 140-watt fast charger or with any standard USB-C charger, giving you maximum flexibility in the studio or on location.



## Easy Operation

The controls are modern and intuitive: 2 buttons, one rotary/push dial, and a clear menu save you valuable time on set. The bright, high-contrast LCD display can be customised – from 'minimalist' to 'everything at a glance'.



**Stelos combines maximum performance with impressive mobility. Its fast flash durations and precise colour stability open up new creative possibilities. At the same time, it is robust enough for heavy use on set and light enough to take anywhere.**



#### **Connectivity**

Fully compatible with all broncolor RFS 2 and 3 transmitters, the bronControl app, and the bronAPI for integration into your own applications. All parameters can also be adjusted without the app, ensuring control whether you're working in the studio, on location, or integrating Stelos into complex lighting setups.



#### **Robust**

Thanks to high-quality materials and components and Swiss manufacturing, Stelos will serve you faithfully for years – no matter how far your journeys take you. broncolor's legendary spare parts availability and repairability are second to none.



#### **Tilttable**

Our development team has listened to numerous user suggestions: Stelos can be tilted 90° up and down on a stand. This wide range of adjustment makes it easy to position the light precisely, whether you need to illuminate from above, below, or at challenging angles on set.



# Make the world your studio



JOULES  
FLASH ENERGY



SIMULTANEOUS  
CHARGING & USE



BRONCOLOR  
LIGHT QUALITY



HIGH-SPEED-SYNC





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# Stelos - Design



## Compact, travel-friendly design

Weighing only 3.39 kg including the battery, the system is easy to transport and can even be used with large light shapers such as parabolic reflectors. Its compact build makes it the perfect choice for mobile shoots and tight studio setups.



## Rugged housing for professional use

The housing is made of durable material and designed for intensive, daily use. It reliably protects the internal technology from shocks, dust, and splashes. Whether in the studio, outdoors, or on the road, Stelos is a dependable partner even under tough conditions.



## Universal compatibility with broncolor light shapers

Thanks to the broncolor bayonet, Stelos is compatible with the entire range of light shapers and accessories – from small reflectors to large softboxes – without the need for adapters. This makes Stelos instantly ready to use in existing setups.



## Optimal light distribution

As with all high-quality broncolor devices, the flash tube protrudes slightly. This ensures even illumination within light shapers such as parabolic reflectors – a technical detail with a major impact on light quality and brilliance.







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# Stelos - Interface



## User-friendly interface with large display

The high-contrast display is easily readable even in bright ambient light. All key settings are intuitive to access and can be controlled directly on the device or conveniently via the trigger. The menu structure is clear and supports eleven languages.



## WiFi

Thanks to the integrated WiFi module, firmware updates can be transmitted wirelessly with ease. This also ensures your Stelos always stays up to date with the latest features and performance improvements without the need for cables or complex setup.







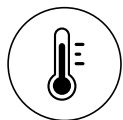


# Stelos - Features



## Impressive power range

With 800 joules of flash energy, Stelos delivers outstanding performance. Its range from 1 to 11 corresponds to a dynamic range of ten f-stops. Flash durations are top-tier: Speed 1/11,500s t 0.1 and 1/21,200s t 0.5. Stelos can be set as low as 0.78 joules.



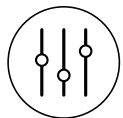
## High-quality LED modelling light with colour temperature control

The powerful LED modelling light is adjustable from 2700 to 6500 K, allowing you to fine-tune the ambience to match your creative vision. Visible even in bright daylight, it delivers an accurate and reliable light preview – even outdoors – ensuring maximum creative control in mixed-light situations.



## High-capacity lithium battery with quick-change function

The V-Mount battery is easily removable and can be transported separately. Battery changes take only seconds, keeping your workflow uninterrupted. Five LED bars on the battery indicate the charge status. One battery provides over 300 full-power flashes.



## Consistent performance & broncolor precision

Output is precise and consistent – no unexpected fluctuations, just absolute repeat accuracy at every power level from 1 to 11. This reliability is essential for professional results, especially in series shooting and critical lighting setups.













# Stelos - Flash Speed

broncolor's new and unique cut-off electronics transform the suboptimal curve into a perfect rectangular shape – regardless of the selected flash duration or intensity.

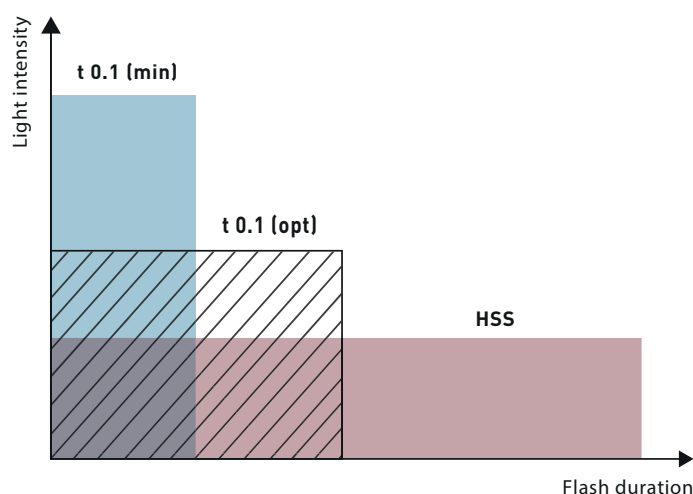
The height (intensity) multiplied by the width (flash duration) gives the total amount of emitted light. Both parameters can be adjusted to achieve either maximum intensity or the shortest flash duration. Thanks to the always-rectangular flash curve, there is no drop in performance at the end of the flash. Light intensity and colour temperature remain constant at all times.

## When speed is essential

In  $t 0.1$  (opt) mode, Stelos optimises intensity and flash duration across the entire power range for the best possible colour temperature. Increasing the intensity – in  $t 0.1$  (min) mode – allows for much shorter impulses at the same light output, freezing even fast-moving subjects without motion blur.

## High-Speed-Synchronisation (HSS)

Working with extremely short camera shutter speeds requires long light pulses. Stelos reduces the intensity accordingly, and thanks to the rectangular burn curve, light intensity remains constant throughout the flash duration. As a result, full-sensor illumination is maintained even in HSS, guaranteeing images with very high colour consistency.





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# Stelos - The single unit set

31.756.XX



1x Stelos 800 L  
1x Protective glass matte  
34.377.00



1x Wide-angle umbrella reflector Ø 120 mm  
33.175.00



1x Protective cap  
33.171.00



1x Li-Ion battery 28 V V-Mount  
36.170.00



1x USB-C charger (incl. power adapters)  
36.171.00



1x USB-C cable 3m  
36.172.00

# Inspiration Kit with 2 Stelos 800 L

31.770.XX

Unleash your creativity with the Inspiration Kit, a complete lighting solution designed for photographers who demand flexibility, power, and precision on every shoot. Whether you're working in the studio or on location, this kit equips you with two Stelos and everything you need to shape light beautifully and precisely.



2x Stelos 800 L  
2x Protective glass matte

34.377.00



2x Wide-angle umbrella reflector Ø 120 mm  
2x Protective cap

33.175.00

33.171.00



2x Li-Ion battery 28 V V-Mount  
2x USB-C cable 3m

36.170.00

36.172.00



1x USB-C charger (incl. power adapters)  
1x Speed ring broncolor for Softbox / Octabox  
1x Umbrella silver/black Ø 105 cm

36.171.00

33.401.00

33.570.00



1x Softbox 60 x 100 cm  
1x Flash Bag 2

33.562.00

36.532.00



# Pro Kit with 3 Stelos 800 L

31.780.XX

Step up your lighting game with the Pro Kit – the ultimate monolight solution for professional photographers who need even more flexibility and even more creative options . With three Stelos, a wide range of light shapers, 3 batteries, and robust stands, this kit is built for demanding shoots in the studio or on location.

	3x Stelos 800 L 3x Protective glass matte	34.377.00
	3x Wide-angle umbrella reflector Ø 120 mm 3x Protective cap	33.175.00 33.171.00
	3x Li-Ion battery 28 V V-Mount 3x USB-C cable 3m	36.170.00 36.172.00
	2x USB-C charger (incl. power adapters) 1x Speed ring broncolor for Softbox / Octabox	36.171.00 33.401.00
	1x Umbrella silver/black Ø 105 cm 1x Softbox 60 x 100 cm 1x L40 standard reflector	33.570.00 33.562.00 33.115.00
	3x Junior stand AC	35.100.00
	1x Flash Bag 3 1x Accessory Bag	36.533.00 36.535.00



**Stelos – compact and  
lightweight for maximum mobility**









# Stelos 800 L

	Technical data
<b>Flash energy</b>	max. 800 J
<b>f-stop at 2m, 100 ISO</b>	
- with Wide angle umbrella reflector Ø 120 mm	22 3/10
- with P70 normal reflector	45 3/10
<b>Flash duration t0.1 opt (t 0.5 opt)</b>	
- min. energy	1/9'200 s (1/16'000 s)
- max. energy	1/250 s (1/750 s)
<b>Flash duration Speed mode t0.1 (t0.5)</b>	
- 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)
<b>Flash duration Shortest Mode t0.1 min (t 0.5 min)</b>	
- min. energy	1/19'500 s (1/56'400 s)
- max. energy	1/250 s (1/790 s)
<b>Flash recycling time (at 28V)</b> (100% of selected energy)	0.008 - 2.5 s (min. / max. energy)
<b>Number of full power flashes</b> per battery charge	>300
<b>Setting range for flash energy</b>	0.78 - 800 J over 10 f-stop intervals, in steps of 1/10 or full f-stops
<b>Flash colour temperature</b>	adjustable, -100 K to +800 K, depending on selected energy
<b>Modeling light (MOD)</b>	LED 49 Watt typical 2700 to 6500 K
<b>Colour rendering index, CRI (MOD), 100% power</b>	typically 98
<b>Flash release</b>	manual trigger button, photocell, sync cable, with built-in broncolor RFS receiver (compatible with RFS 2.1, RFS 2.2, and RFS 3)
<b>Remote control</b>	bronControl App or bronAPI
<b>Ready indicator</b>	visual (via modelling light) and acoustic (can be switched off)
<b>Extra functions</b>	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
	Interface
<b>Display</b>	bright 2.8" LCD with excellent readability
<b>User interface</b>	one rotary controller, two buttons, intuitive, minimalistic or "all at a glance"
<b>Cooling</b>	temperature-controlled fan
	Dimensions
<b>Length</b> (Handle to tip of protective glass)	265 mm (10.4 in)
<b>Length</b> (Handle to tip of transport protective cap)	270 mm (10.6 in)
<b>Height</b> (folded stand mount to top of housing)	165 mm (6.5 in)
<b>Width</b>	167 mm (6.6 in)
<b>Weight</b>	
(without battery, incl. Wide Angle Umbrella Reflector Ø 120 mm, without protective cap)	2'800 g (6.17 lbs)
(without battery, incl. Wide Angle Umbrella Reflector Ø 120 mm, without protective cap)	2'800 g (6.17 lbs)



<b>Weight</b> (incl. battery & Wide Angle Umbrella Reflector Ø 120 mm, without protective cap)	3'390 g (7.47 lbs)
<b>Weight of battery</b>	590 g (1.30 lbs)
<b>Battery</b>	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.
<b>Battery dimensions</b>	12.0 x 8.3 x 6.2 cm (4.7 x 3.3 x 2.4 in)
<b>Stand mount</b>	for bolts 12 mm (0.47 in), 3/8" thread and bolts 16 mm (0.63 in)
<b>Other information</b>	
<b>WiFi</b>	2.4GHz (only Enterprise mode)
<b>Firmware update</b>	WiFi
<b>Temperature range of use</b>	-10 °C to 45 °C
<b>Temperature storage</b>	-10 °C to 50 °C
<b>Cognition light</b>	2x (left/right) 5 colours (blue, green, purple, yellow, turquoise)
<b>Compatibility</b>	compatible with broncolor bayonet
<b>Menu languages</b>	English, German, French, Korean, Japanese, Italian, Spanish, Chinese simpl., Polish, Portuguese, Dutch
<b>Warranty period</b>	factory warranty of 2 years from date of purchase (for the first owner)
<b>Approvals</b>	CE, FCC
<b>Standards</b>	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
<b>Item number</b>	31.756.XX

# Photometry with various broncolor light shapers

Stelos 800 J

**Aperture** at 2 m distance, ISO 100

45 <sup>3</sup>/<sub>10</sub>


P70

32 <sup>5</sup>/<sub>10</sub>


L40

32 <sup>5</sup>/<sub>10</sub>


Para 88

22 <sup>3</sup>/<sub>10</sub>

Wide-angle  
umbrella reflector  
Ø 120 mm

16 <sup>1</sup>/<sub>10</sub>


Softbox 60 x 100 cm

# The broncolor System

## POWER PACKS



Scoro 1600 S WiFi / RFS 2  
31.046.XX  
Scoro 3200 S WiFi / RFS 2  
31.047.XX



Scoro 1600 E WiFi / RFS 2  
31.066.XX  
Scoro 3200 E WiFi / RFS 2  
31.067.XX

## HYBRID-POWER PACKS



Satos 3200  
31.071.XX  
Satos 1600  
31.070.XX



Satos  
charging  
station  
36.198.00

## CONTINUOUS LIGHT



LED F160  
61.010.00

## LAMPS



Pulso L 1600 J  
32.130.00  
Pulso L 3200 J  
32.131.00



Pulso G 1600 J  
32.115.XX  
Pulso G 3200 J  
32.116.XX



Unilite 1600 J  
32.113.XX  
Unilite 3200 J  
32.114.XX



Picolite  
small lamp  
32.021.XX

## EFFECT LAMPS



Ringflash C  
32.462.XX



Boxlite 40  
32.341.XX



Litestick  
32.451.00

## REFLECTORS AND ATTACHMENTS



Pulso  
wall adapter  
36.900.00



Standard reflector P65  
33.106.00  
Standard reflector P70  
33.107.00



Standard reflector L40  
33.115.00



P-Travel reflector  
33.103.00



PAR reflector  
33.113.00



UV-  
attachment  
33.626.00



Power-  
reflector for  
Ringflash C  
33.125.00



Beauty-  
reflector for  
Ringflash C  
33.124.00



Soft-  
reflector for  
Ringflash C  
33.123.00



Narrow angle reflector P45  
33.104.00  
Narrow angle reflector P50  
for Pulso 8  
33.105.00



Softlight reflector P  
33.110.00



Beauty Dish  
with textile diffuser  
33.111.00



Wide angle  
reflector P120  
33.112.00



Background  
reflector  
33.114.00



Spot attachment  
33.640.00



Conical snoot  
33.120.00

## SOFTBOXES / OCTABOXES / BEAUTYBOX



Softbox  
33.560.00 35 x 60  
33.561.00 60 x 60  
33.562.00 60 x 100  
33.563.00 100 x 100  
33.564.00 30 x 120  
33.565.00 90 x 120  
33.566.00 120 x 180  
33.567.00 30 x 180



Edge Mask for Softbox  
33.612.00 35 x 60  
33.613.00 60 x 100  
33.614.00 90 x 120  
33.615.00 120 x 180



Octabox  
33.600.00 75  
33.601.00 150



Beautybox  
33.568.00 65

Adaptor rings and tripods not included.  
Various attachments available.

## SURFACE VISUALIZER



Scope D50  
82.110.XX  
Scope D50 UV/IR  
82.130.XX

## STUDIO-MONOLIGHTS



Siros 400 S WiFi /  
RFS 2  
31.623.XX



Siros 800 S WiFi /  
RFS 2  
31.643.XX

Kits available.  
Umbrella reflector included.

## DUAL-MONOLIGHTS



Stelos  
31.770.XX

Kits available.  
Umbrella reflector included.

## SPECIAL REFLECTORS



Litepipe P  
32.452.00



Balloon  
33.161.00



Picobox  
33.128.00



broncolor Flooter  
32.431.00

## SPECIAL ACCESSORIES



RFS 2.1 transmitter  
36.133.00



RFS 2.1 transmitter/  
receiver kit  
36.135.00



bronControl



bronAPI



RFS 2.1 receiver  
36.134.00



Hot Shoe  
Adapter 2 in 1  
a6.137.00



DMX-adapterbox  
for LED F160  
64.010.00



RFS 3 transmitter  
36.164.00 RFS 3 C (Canon)  
36.165.00 RFS 3 N (Nikon)  
36.166.00 RFS 3 S (Sony)  
36.167.00 RFS 3 F (Fujii)  
36.168.00 RFS 3 L (Leica)



Pulso adapter  
for Picolite  
33.501.00



Barn door  
for P-Travel  
33.243.00



Strip Grid 5:1 for  
P70 reflector  
33.195.00



Honeycomb grid for softlight  
reflector P and  
Beauty Dish  
33.210.00



Diffuser filter  
for softlight  
reflector P and  
Beauty Dish  
33.310.00



Projection  
attachment for  
Picolite  
33.641.00



Barn door with 4  
wings  
33.246.00 for P65,  
P45 and PAR  
33.247.00 for P70  
33.119.00 for L40



Barn door with  
4 wings for  
Picolite  
33.244.00



Honeycomb grids,  
set of 3 pieces  
33.219.00 for Ringflash C



Umbrella reflector  
Ø 120 mm  
(for LED F160 and  
Pulso L)  
33.170.00



Attachment with 3  
honeycomb grids and 2  
aperture masks for Picolite  
33.204.00



Fresnel spot  
attachment for  
Picolite  
33.631.00



Barn doors  
with 2 wings for P70  
33.227.00



Sunlite-Set  
33.162.00



Honeycomb grids, set of 3 pieces  
33.205.00 for P50  
33.206.00 for P65, P45 and PAR  
33.211.00 extremely narrow for P65,  
P45 and PAR (1 pcs)  
33.207.00 for P70  
33.194.00 zu L40

## PARA SYSTEM



Para 222 Kit  
without adapter  
33.552.03



Para 177 Kit  
without adapter  
33.551.03



Para 133 reflector  
33.550.00  
Para 133 HR reflector  
33.550.04  
Para 133 Kit without adapter  
33.550.03  
Para 133 HR Kit without  
adapter  
33.550.06



Para 88 reflector  
33.482.00  
Para 88 HR reflector  
33.482.04  
Para 88 Kit without adapter  
33.483.03  
Para 88 HR Kit without adapter  
33.483.06

Honeycomb attachments and diffusers available.  
Tripods and lamps not included.

## UMBRELLAS



33.576.00 Focus 110 silver/black Ø 110 cm  
33.496.00 Umbrella reflector  
33.570.00 Silver/black Ø 105 cm  
33.571.00 White/black Ø 105 cm  
33.572.00 Transparent Ø 105 cm  
33.573.00 White/black Ø 85 cm  
33.574.00 Silver/black Ø 85 cm  
33.575.00 Transparent Ø 85 cm

For more than 65 years broncolor has been shaping the world of commercial photography with professional flash and continuous lighting solutions. The power packs and monolights as well as the most extensive range of light shapers can be found in the most renowned studios all over the world. The decades of reliability – equivalent to investment protection – as well as the convenience of operation and outstanding performance data secure broncolor a firm place in the cosmos of premium products.

broncolor is aware of its commitment to the highest quality and therefore maintains its own development and production facilities in Switzerland. There, Stelos is largely manufactured by hand. Visitors can convince themselves of the craftsmanship and the high production depth during a factory tour (organisation via the local broncolor partner).

The support of broncolor users is ensured by a network of long-standing and authorised partners in more than 60 countries. The broncolor partner network is always on hand to provide support, both for consulting and after-sales service.

We reserve the right to make changes in the course of technical development. Made in Switzerland. broncolor, kobold and bron are protected trademarks. Subject to typing mistakes, errors and technical changes.

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