

# Senso A2 and A4

## Stimulate Your Senses



[www.broncolor.com](http://www.broncolor.com)

# Senso - The easiest and most affordable start into the broncolor system

**Senso A delivers genuine studio performance for the price of a compact system. Newcomers can expect total power for a modest investment. Seasoned professionals will appreciate the extra lighting capability that is fully compatible with the existing broncolor product line. Dependable, lightweight, affordable – Senso power packs are designed for photographers who are often on the road. Senso operates on 240 V and 100 V.**

## Maximum performance on assignment

Senso unites all the features of a studio flash system in a compact format that is ideal for on-location work.

In brief:

- 3 lamp outlets
- Max. output 2400 J and min. output just 26 J with the Senso A4 or 1200 J and just 13 J with the Senso A2
- Control range across 6.5 f-stops in full and  $\frac{1}{10}$  f-stops
- Symmetric and asymmetric power distribution
- Short flash duration, short charging times
- Well organised front panel with digital display per channel and illuminated keypad
- Output display switchable from f-stops to joules (watt seconds)





1/1  
1/4  
1/2  
90

1/1  
1/4  
1/2  
50

sym

asym

cell

aux

rf

address

slow

bu

## Senso - Lightweight, easy and reliable

Senso A power packs can be switched over from symmetric to asymmetric power distribution with a toggle switch. In the symmetric mode, the power pack's full energy can be routed to one lamp outlet. Generally, power output is selected with two toggle switches and illuminated silicone keys. The toggle switches disable the unneeded capacitors, which keeps the colour temperature constant even at reduced

energy levels and reduces flash durations. The silicone keys make it possible to precision-adjust the power output in 1/10 f-stop intervals. In symmetry, the three lamps are connected in parallel. In asymmetry, channel 1 is assigned to lamp outlet 1 while channel 2 routes power to outlets 2 and 3. The output selected for each channel can be displayed either in f-stops or joules at any time.





## Senso - Convenient operation

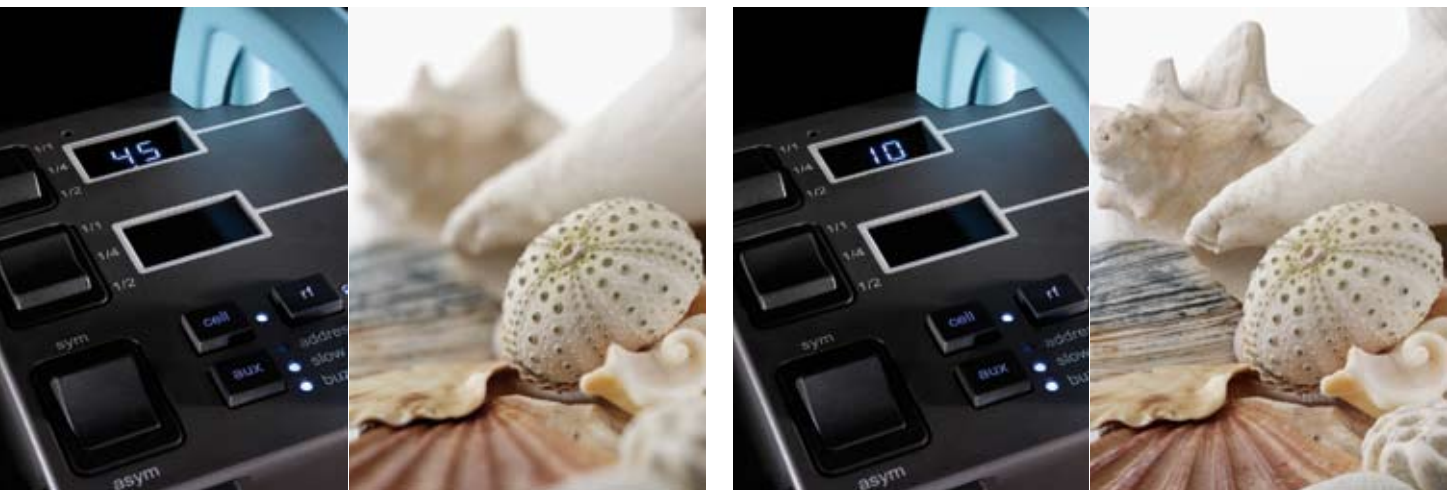
### Radio included

The broncolor RFS 2 triggering system allows independent flash release in the same studio on 99 units per workstation (max. 99 workstations). This feature eliminates unintentional triggering. All Senso power packs can be triggered via radio over a distance of up to 200 metres. Additionally, Senso power packs are equipped with a photocell and can be triggered by any studio flash unit.



### Control range

The control range extends over up to 6 ½ f-stops, giving the photographer generous latitude in light design.



Aperture open – Aperture closed





## Senso - Design excellence

### Short charging times

The short charging time of 0.4 s at minimum output or 1.5 s at maximum output (with Senso A2, 230V) enables fast flash sequencing of moving models. Senso also features an acoustic and an optical ready signal.

### Senso shows true colour

The colour temperature of the Senso power pack is constant across three f-stops because unneeded capacitors are switched off.

### Long service life

The heat dissipated by all key power pack components is constantly monitored by the on-board processor. This protects the power pack against overheating and optimises its service life.

The built-in data memory assures that all settings are preserved when the unit is switched off or if mains power is interrupted. In the standby mode and if only the modelling light is used, the power pack fan is disabled. It begins to operate as soon as this becomes necessary after a certain number of flashes have been fired.

### Operating reliability

When the output is reduced, the Senso power pack is discharged internally and does not need to be fired. This means that the selected flash energy is always reliably delivered.

### Design excellence

For the protection of its circuitry, the Senso power pack is fitted with prominent rubber panels. The housing is made of high-quality aluminium. These assets assure that the power pack will withstand bumpy rides in rugged terrain and rough treatment by airport baggage handlers. The design of Senso and Litos combines form and function on a high standard. A design protection patent is pending for both units.





## Litos - Compact and multifunctional

### Litos lamp

The Litos lamp was developed to match the Senso power packs: it is remarkably compact, weighs very little, is multifunctional, and has an excellent price/performance ratio. The protecting glass can be quickly replaced with an umbrella or standard reflector to suit the shoot. Litos features a pan/tilt head for one-hand operation and an integrated umbrella holder. The intelligent cooling system only switches on when the service temperature of the power

pack reaches a threshold level. The bayonet mount is compatible with other broncolor lamps and gives the user access to a comprehensive range of lamps, light shapers, and accessories. The lamp is equipped with a release button that allows quick reflector changes and 360° rotation. Thanks to its innovative design, the Litos lamp stows away compactly for transport and storage.



# Senso - Built to perform

**Despite their attractive price, Senso power packs are fully fledged studio units. Powerful and functional. Dependable and durable. Because of their compact design and low weight, they are eminently suited for work on location.**

## On location

Because Senso power packs and Litos lamps are remarkably compact and lightweight, they are easy to carry along on out-of-studio shoots. Where only poorly

fused power outlets are available, Senso can be switched to the slow charging mode. On travel, the dual-voltage Senso can be switched from 230 V to 100 V.

A case that is hardly larger than a medium-format system container accommodates the power pack and two lamps.

ROBIN/ROBIN.SEBASTIAN@MAC.COM  
PHIL MÜLLER, CH



## Beauty

The large control range enables subtle light control and the comprehensive line of light shapers assures unhindered freedom in design – ideal prerequisites for creative beauty and portrait photography.

MERET K./OPTION-MODEL.COM  
PHIL MÜLLER, CH



## Fashion

With a short charging time of 0.4 s at the lowest output level and 1.5 s (Senso A2) with maximum flash settings, the Senso power pack delivers fast sequential flashes to capture moving models. Depending on the output, flash duration at 600 J has only 1/1200 s (t 0.5).

JOHAN VONLANTHEN  
PHIL MÜLLER, CH



## Still and advertising

With ample light output, a bright modelling light, and a comprehensive spectrum of accessories, Senso has everything it takes for professional still and advertising photography.



## Senso Kits - Here we go!

The configuration of Senso kits is as varied as your photographic assignments. Each Senso kit gives you the light that you need for the job at hand. The handy travel case accommodates all the kit components and keeps everything organised. Pick the kit that best addresses your type of work:



**Senso Kit 21** | 31.052.XX  
Includes: 1× Senso A2 power pack,  
1× Litos lamp, 1× Flex 70 × 70 cm (28 × 28”),  
sync cable 5 m (16,4 ft), case.



**Senso Kit 22** | 31.053.XX  
Includes: 1× Senso A2 power pack,  
2× Litos lamps, 1× Flex 70 × 70 cm (28 × 28”),  
sync cable 5 m (16,4 ft), case.



**Senso Kit 41** | 31.054.XX  
Includes: 1× Senso A4 power pack,  
1× Litos lamp, 1× Flex 70 × 70 cm (28 × 28”),  
sync cable 5 m (16,4 ft), case.



**Senso Kit 42** | 31.055.XX  
Includes: 1× Senso A4 power pack,  
2× Litos lamps, 1× Flex 70 × 70 cm (28 × 28”),  
sync cable 5 m (16,4 ft), case.

# broncolor System

## POWER PACKS



Senso A2  
31.050.XX  
Senso A4  
31.051.XX

Scoro A4S  
31.043.XX  
Scoro A2S  
31.041.XX

Scoro A4  
31.042.XX  
Scoro A2  
31.040.XX

Grafit A2 RFS  
31.169.XX  
Grafit A4 RFS  
31.179.XX

Verso A2 RFS  
31.031.XX  
Verso A4 RFS  
31.033.XX

Power Dock  
for Verso A2 / A4 RFS  
36.124.00

Topas A2 RFS  
31.173.XX  
Topas A4 RFS  
31.174.XX

Topas A8  
Evolution RFS  
31.183.XX

## LAMPS



Reflectors are not included

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

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

Pulso Twin  
32.117.XX

Pulso 8  
32.118.XX

Picolite  
small lamp  
32.021.XX  
Mobilite 2  
small lamp  
32.012.00

Litos  
32.030.XX

## EFFECT LAMPS



Ringflash C  
32.462.XX  
Ringflash P  
32.461.XX

Hazylight-Soft  
33.513.00

## REFLECTORS AND ATTACHMENTS



Standard reflector P65  
33.106.00  
Standard reflector P70  
33.107.00

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  
33.105.00

Softlight reflector P  
33.110.00

Beauty Dish  
with shower cap  
33.111.00

Wide angle  
reflector P120  
33.112.000

Background  
reflector  
33.114.00

Spot attachment  
33.640.00

Conical snoot  
33.120.00

## SPECIAL REFLECTORS



Satellite  
Staro  
33.151.00

Satellite  
Evolution  
33.150.00

Mini-  
Satellite  
33.152.00

Para 170 FB  
33.484.00

Para 220 FB  
33.485.00

Para Soft  
220 FB  
33.487.00

Para 330 FB  
33.486.00

Stands are not included

## SPECIAL ACCESSORIES



Transmitter RFS  
36.130.00



Transmitter RFS 2  
36.133.00

Transceiver RFS  
36.131.00



Receiver RFS 2  
36.134.00

Infrared  
transmitter IRX 2  
36.116.00





Mobil A2R  
31.011.XX

## MONOLIGHTS



Minicom 40 / RFS  
31.405.XX / 31.406.XX



Minicom 160  
31.474.XX  
Minicom 160 RFS  
31.473.XX



Minicom 80 / RFS  
31.415.XX / 31.416.XX



Minipuls C200  
31.449.XX

Reflectors are not included

## HMI



Lamp HMI F575.800  
42.104.00



Parabol reflector  
for HMI F575.800  
43.103.55



Electronic ballast unit  
HMI 575.800  
41.102.XX



Attachment for kobold  
DW 200 / DW 400  
33.502.00

## BATTERY UNIT



Powerbox 900  
56.302.00



Balloon  
33.161.00



Boxlite 40  
32.341.XX



Picobox  
33.128.00



Lightbar 120 Evolution  
32.353.XX  
Lightbar 60 Evolution  
32.351.XX



Striplite 120 Evolution  
32.303.XX  
Striplite 60 Evolution  
32.301.XX



Litestick  
32.451.00



brnocolor Floorer  
32.431.00



Pulso-Spot 4  
32.425.XX



Optical snoot 150 mm  
for Pulso-Spot 4  
5500 K: 33.620.55  
5900 K: 33.620.59



Pulso adapter  
for Mobilite 2 / Picolite  
33.501.00



Projection attachment  
for Picolite  
33.641.00



Barn door with 4 wings  
for P 65, P 45 and PAR  
33.246.00  
Barn door with 4 wings  
for P 70  
33.247.00



Barn door with 4 wings  
for Mobilite 2 / Picolite  
33.244.00



Honeycomb grids for Ringflash C, set of 3 pcs.  
33.219.00  
Honeycomb grids for Power reflector, set of 3 pcs.  
33.189.00



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



Fresnel spot attachment  
for Mobilite 2 / Picolite  
33.631.00



Barn door with  
2 wings for P 70  
33.227.00



Sunlite-Set  
33.162.0



Honeycomb grids set of 3 pcs.  
33.205.00 for P50  
33.206.00 for P65, P45 and PAR  
33.211.00 extra narrow for P65, P45 and PAR  
33.207.00 for P70

## SOFTBOXES



Pulsoflex C  
35 x 120 cm  
(14 x 48")  
33.444.00



Pulsoflex C  
60 x 100 cm  
(24 x 40")  
33.443.00



Pulsoflex C  
70 x 70 cm  
(28 x 28")  
33.441.00



Flex  
70 x 70 cm  
(28 x 28")  
33.448.00



Pulsoflex C  
80 x 140 cm  
(32 x 56")  
33.446.00



Pulsoflex C  
100 x 100 cm  
(40 x 40")  
33.442.00



Pulsoflex C  
150 x 150 cm  
(60 x 60")  
33.445.00

Adapter ring and stands  
are not included

## UMBRELLAS



33.459.00 Silver ø 82 cm (32.3")  
33.452.00 Silver ø 102 cm (40.2")  
33.454.00 Transparent ø 102 cm (40.2")  
33.460.00 White ø 82 cm (32.3")  
33.453.00 White ø 102 cm (40.2")  
33.496.00 Umbrella reflector



Pulsoflex EM  
30 x 110 cm  
(12 x 44")  
33.424.00



Pulsoflex EM  
35 x 60 cm  
(14 x 24")  
33.415.00



Pulsoflex EM  
40 x 155 cm  
(16 x 62")  
33.425.00



Pulsoflex EM  
50 x 50 cm  
(20 x 20")  
33.406.00



Pulsoflex EM  
55 x 95 cm  
(22 x 38")  
33.416.00



Pulsoflex EM  
80 x 140 cm  
(32 x 56")  
33.417.00



Pulsoflex EM  
80 x 80 cm  
(32 x 32")  
33.407.00



Pulsoflex EM  
110 x 110 cm  
(44 x 44")  
33.408.00

**brnocolor**  
THE LIGHT



## SENSO AND LITOS – TECHNICAL SPECIFICATIONS



**Senso A2** | 31.050.XX



**Senso A4** | 31.051.XX

<b>Flash energy</b>	1200 J	2400 J
<b>F-stop at 2 m (6 ½ ft.) 100 ISO</b>	<b>Litos lamp</b> 32 1/10 45 8/10	<b>Litos lamp</b> 45 1/10 64 8/10
- with Litos reflector		
- with P70 reflector		
- with P70 reflector	<b>Pulso G lamp</b> 45 7/10	<b>Pulso G lamp</b> 64 7/10
<b>Flash duration t 0.1 (t 0.5) at 230 V</b>	<b>Litos lamp</b> 1200 J: 1/180 s (1/600 s) 600 J: 1/360 s (1/1200 s)	<b>Litos lamp</b> 2400 J: 1/90 s (1/300 s) 1200 J: 1/180 s (1/600 s)
	<b>Pulso G/Unilite lamp</b> 1200 J: 1/100 s (1/300 s) 600 J: 1/200 s (1/600 s)	<b>Pulso G/Unilite lamp</b> 2400 J: 1/50 s (1/150 s) 1200 J: 1/100 s (1/300 s)
<b>Charging time (100% of selected energy)</b>	0.4 – 1.5 s (200-240 V) 0.4 – 1.5 s (110-120 V) 0.5 – 1.9 s (100 V) 900 J	0.4 – 2.8 s (200-240 V) 0.4 – 2.8 s (110-120 V) 0.5 – 3.9 s (100 V) 1800 J
<b>Ready display</b>	Visual and audible (can be switched off), signals when 100% of selected energy is reached	
<b>Number of lamp outlets</b>	3	3
<b>Power distribution</b>	Free asymmetry up to 5 f-stops in whole and 1/10 f-stop intervals	Free asymmetry up to 5 f-stops in whole and 1/10 f-stop intervals
<b>Control range of flash energy</b>	6.5 f-stops or 13 J to 1200 J (1 lamp) with activated symmetry switch	6.5 f-stops or 26 J to 2400 J (1 lamp) with activated symmetry switch
<b>Modelling light</b>	100 – 240 V, halogen max. 3×300 W (Litos) 200 – 240 V, halogen max. 3×650 W (Pulso G/Unilite) Proportional to flash energy, full power	100 – 240 V, halogen max. 3×300 W (Litos) 200 – 240 V, halogen max. 3×650 W (Pulso G/Unilite) Proportional to flash energy, full power
<b>Flash release</b>	Manual release button, photocell, RFS 2 receiver (radio frequency), sync cable	Manual release button, photocell, RFS 2 receiver (radio frequency), sync cable
<b>Radio (2.4 GHz)</b>	99 workstations, 99 unit addresses, 40 frequency channels	99 workstations, 99 unit addresses, 40 frequency channels
<b>No. of sync sockets</b>	1	1
<b>Dimensions (L×W×H)</b>	203 × 148 × 218 mm (8 × 5,8 × 8,6") excl. handle	203 × 148 × 300 mm (8 × 5,8 × 11,8") excl. handle
<b>Weight</b>	4.6 kg (10,1 lbs)	6.9 kg (15,2 lbs)



**Litos** | 32.030.XX

<b>Flash energy</b>	max. 2400 J
<b>F-stop at 2 m (6 ½ ft.)</b>	32 1/10 [Senso A2 with Litos + Litos refl.] 45 8/10 [Senso A2 with Litos + refl. P70] 45 7/10 [Senso A2 with Pulso G + refl. P70]
<b>100 ISO, reflector included</b>	45 1/10 [Senso A4 with Litos + Litos refl.] 64 8/10 [Senso A4 with Litos + refl. P70] 64 7/10 [Senso A4 with Pulso G + refl. P70]
<b>Modelling light</b>	300 W halogen (3.15 AF)
<b>Cooling</b>	Temperature controlled (fan)
<b>Length of cable</b>	4.5 m (14,8 ft)
<b>Dimensions (Ø×H×L)</b>	Ø 120 × 172 × 243 mm (4,7 × 6,8 × 9,6")
<b>Weight with cable</b>	2.3 kg (5,1 lbs)
<b>Stand adapter</b>	For broncolor 12 mm (0,47") bolt, 3/8" thread and Manfrotto 16 mm (0,63") bolt

Subject to change in the interest of technical developments.

Senso power packs and Litos lamps by broncolor reflect decades of experience and cutting-edge technology. To assure that you can benefit from future developments, broncolor dealers offer you a software update service for the entire service life of your Senso power pack. Thanks to carefully selected components and rugged design, you can expect superior operating reliability and functionality even under adverse conditions. Our manufacturer's guarantee is valid for 2 years. Made in Switzerland. broncolor, VISATEC, kobold and bron are registered trademarks.

**broncolor**<sup>®</sup>  
THE LIGHT

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