

Satos Technical Data Sheet

	Satos 1600	Satos 3200
Item number	BR31.070.04	BR31.071.04
Configuration for data sheet	1 battery / 1 power supply unit	2 batteries 2 power supply units
	Normal mode	
Flash energy	1600 Joules	3200 Joules
Aperture at 2m distance, ISO 100, Pulso L lamp, P70 Normal reflector	64 2/10	90 4/10
Flash duration t 0.1 (min. max. energy)	1/5150s 1/100s	1/5150s 1/100s
Flash recharging time (min max energy)	0.01s 2.4s	0.01s 2.4s
	Speed mode	
Flash energy	650 Joules (fstop 10.7)	1212 Joules (fstop 11.6)
Aperture at 2m distance, ISO 100, Pulso L lamp, P70 Normal reflector	32 9/10	64
Flash duration t 0.1 (min. max. energy)	1/8500s 1/1600s	1/8500s 1/1600s
Flash recharging time (min max energy)	0.01s 2.4s	0.01s 2.4s
Readiness indicator	Optical and acoustic (can be switched off), done at Achieving 100% of the selected energy	
Lamp connections	3	
Power distribution	Symmetrical and individually asymmetrical	
Adjustment range of the flash energy	over 10 apertures (2 - 12 1.5 - 1600J) in 1/10 or complete aperture intervals	over 11 apertures (2 - 13 1.5 - 3200J) in 1/10 or complete aperture intervals
Colour temperature (Flash)	Standard value (opt.): 5700K (tolerance +/- 50K) per channel adjustable from - 300K to + 600K (limitations depending on flash mode)	
Modelling light	2800K or 5500K full, low, proportional max. 90W per channel	
Flash triggering	Manual release button, photocell, RFS 2, synchronous cable	
	Special functions ("timing")	
Alternate	Alternate enables "Ping-Pong triggering" of up to 12 flash heads	
Delay	Adjustable individually for each of the three Satos lamp channels (max. 50s)	
Sequence	Each of the three Satos lamp channels can be set to an individual sequence (max. 100) and individual interval (max. 10.0s)	
Additional functions	t 0.1, Strobe	
	Continuous light (with Pulso L)	
Colour temperature	2800 to 6800K in 50K intervals	
Colour rendering index (CRI)	typical >95	
Green / Magenta correction (color cast)	-25G to +25G (limitations at certain color temperatures)	
Dimmability	Apertures 2 to 13, in 0.1 intervals	
Update option	via USB port	
Display	5.7 inch, LCD, multi-touch, extremely robust cover glass	
Cognition Light	LED ring (Colors: blue, green, purple, yellow, turquoise)	
Cooling system	active (fan)	
Compatibility	Fully compatible: Pulso L lamp Modelling light only during power supply operation: Pulso G, Unilite, Picolite	
Menu language	English, German, French (more in preparation)	
Use	in dry environment	
Temperature range of use	-10°C to 40°C	
Storage temperature	-10°C to 50°C	
Power pack weight unequipped (with no power supplies or batteries, no power cable, no dust cover)	11.4kg	16.6kg
Power pack dimensions	L: 311mm (12.24in) W: 224mm (8.82in) H: 321mm (12.62in) incl. handle	L: 311mm (12.24in) W: 224mm (8.82in) H: 433mm (17.03in) incl. handle
Slide-in battery (type)	Li-Ion, 48V / 90Wh	
Slide-in battery (weight)	980g	
Slide-in battery (dimensions)	L: 233mm W: 80mm H: 35mm	
Slide-in battery (charging time when not in use)	approx. 60 minutes	
Slide-in power supply unit	480W	

Slide-in power supply unit (weight)	830g
Slide-in power supply unit (dimensions)	L: 233mm W: 80mm H: 35mm
Power pack power consumption	1800W
Connected loads	230V 10A 120V 15A 100V 15A
Warranty period	2 years from the date of purchase (for the first owner)
Approvals	CE, FCC, UKCA, RoHS

	Flash recharging time max. energy ("recycling") Energy available in batteries	Flash recharging time max. energy ("recycling") Batteries empty	Flashes at full power
Satos 3200 (4 batteries)	1.92s	no operation is possible	approx. 480 (120 per battery)
Satos 3200 (2 batteries 2 power supply units)*	2.40s	6.4s	
Satos 3200 (3 batteries 1 power supply unit)*	2.13s	12.8s	
Satos 1600 (2 batteries)	1.92s	no operation is possible	approx. 480 (240 per battery)
Satos 1600 (1 battery 1 power supply unit)*	2.40s	6.4s	

* Batteries charged to 80%

+++ Subject to typographical errors, mistakes and technical changes +++