

Satos and Scoro – comparison of specifications and features

	Satos 1600	Scoro 1600 S WiFi RFS 2	Scoro 1600 E WiFi / RFS 2		Satos 3200	Scoro 3200 S WiFi RFS 2	Scoro 3200 E WiFi / RFS 2
Item number	31.070.XX	31.046.XX	31.066.XX		31.071.XX	31.047.XX	31.067.XX
	Normal mode (Opt.)				Normal mode (Opt.)		
Flash energy	1600 Joules	1600 Joules	1600 Joules		3200 Joules	3200 Joules	3200 Joules
Aperture at 2m distance, ISO 100, P70 Normal reflector	64 ² / ₁₀	64 ² / ₁₀	64 ² / ₁₀		90 ⁴ / ₁₀	90 ² / ₁₀	90 ² / ₁₀
Flash duration (min. max. energy)	1/6000 s 1/220 s	1/5600 s 1/325 s	1/3500 s 1/325 s		1/5400 s 1/100 s	1/6500 s 1/160 s	1/3000 s 1/160 s
	Speed mode				Speed mode		
Flash energy	650 Joules	1200 Joules	n/a		1212 Joules	2400 Joules	n/a
Aperture at 2m distance, ISO 100, P70 Normal reflector	32 ⁹ / ₁₀	45 ⁹ / ₁₀	n/a		64	64 ⁹ / ₁₀	n/a
Flash duration (min. max. energy)	1/8900 s 1/1400 s	1/10000 s 1/535 s	n/a		1/8100 s 1/810 s	1/10000 s 1/285 s	n/a
	Shortest mode (t 0.1 min)				Shortest mode (t 0.1 min)		
Shortest possible flash duration (technically, the flash colour temperature becomes more bluish)	1/28500 s	1/10000 s	1/8000 s		1/28500 s	1/10000 s	1/8000 s
Minimum time between flashes (applicable to all modes)	0.008 s	0.02 s	0.02 s		0.008 s	0.02 s	0.02 s
Flashes per second	up to 120	up to 50	up to 50		up to 120	up to 50	up to 50
	High-Speed-Sync (HSS)				High-Speed-Sync (HSS)		
High-Speed-Sync (HSS)	yes	no	no		yes	no	no
	Bidirectional communication with lamp head				Bidirectional communication with lamp head		
Bidirectional communication with lamp head	yes (with Pulso L)	no	no		yes (with Pulso L)	no	no
	Battery option for outdoor shoots				Battery option for outdoor shoots		
Battery option for outdoor shoots	yes	no	no		yes	no	no
	Timing functions (alternate, delay, sequence)				Timing functions (alternate, delay, sequence)		
Timing functions (alternate, delay, sequence)	for each channel	per pack	per pack (sequence only)		for each channel	per pack	per pack (sequence only)
	Adjustability of flash colour temperature				Adjustability of flash colour temperature		
Adjustability of flash colour temperature	for each channel	per pack	no		for each channel	per pack	no
	Consistent flash colour temperature with asymmetry				Consistent flash colour temperature with asymmetry		
Consistent flash colour temperature with asymmetry	over 10 f-stops	over 4 f-stops	over 4 f-stops		over 11 f-stops	over 4 f-stops	over 4 f-stops
	Control range for flash energy				Control range for flash energy		
Control range for flash energy	over 10 f-stops (1.5 – 1600 J)	over 9 f-stops (3 – 1600 J)	over 7 f-stops (12 – 1600 J)		over 11 f-stops (1.5 – 3200 J)	over 10 f-stops (3 – 3200 J)	over 8 f-stops (12 – 3200 J)
	Modelling light support				Modelling light support		
Modelling light support	LED (with Pulso L) & Halogen (mains only)	Halogen	Halogen		LED (with Pulso L) & Halogen (mains only)	Halogen	Halogen

All flash duration values are t 0.1

	Flash recharging time for max. energy ("recycling") *	Flashes at full power
Satos 1600 (2 batteries) **	1.92 s	approx. 240 (120 per battery)
Satos 1600 (1 battery 1 power supply unit)	3.74 s	
Scoro 1600 S WiFi RFS 2	230 V: 0.6 s 120 V: 1.0 s 100 V: 1.1 s	n/a
Scoro 1600 E WiFi / RFS 2	230 V: 1.0 s 120 V: 1.4 s 100 V: 1.5 s	n/a
Satos 3200 (4 batteries) **	1.92 s	approx. 240 (60 per battery)
Satos 3200 (2 batteries 2 power supply units)	2.80 s	
Satos 3200 (3 batteries 1 power supply unit)	2.50 s	
Scoro 3200 S WiFi RFS 2	230 V: 1.3 s 120 V: 2.0 s 100 V: 2.2 s	n/a
Scoro 3200 E WiFi / RFS 2	230 V: 1.7 s 120 V: 2.4 s 100 V: 2.6 s	n/a

* batteries fully charged
** modelling light switched off

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