

# L'avancée technologique...

## TUNGSTEN PROFILES **SX** RANGE

MORE LIGHT. MORE PRECISION.  
SUPERIOR SHUTTER GATE DESIGN.



1000/1200W GX9,5  
600 SX RANGE

613 SX	28/54°
614 SX	16/35°
611 SX	11/26°

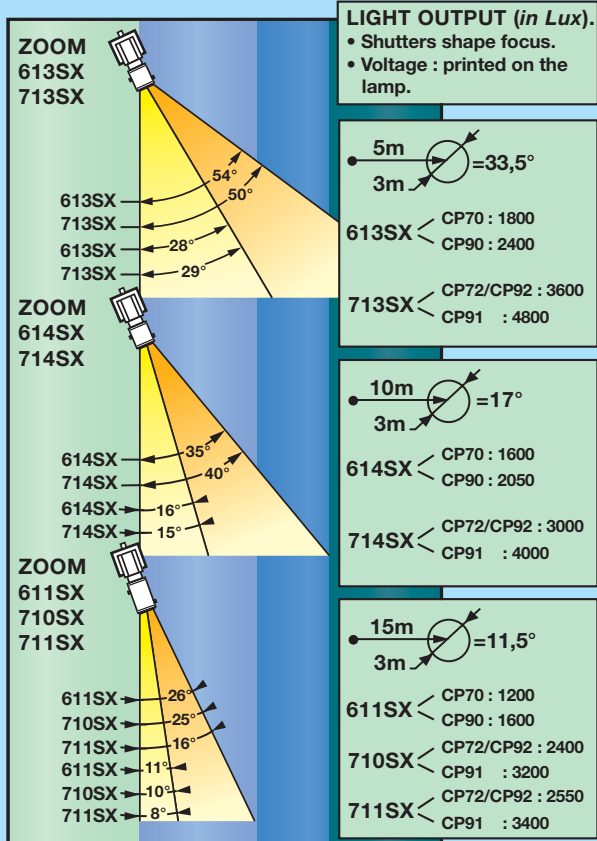
2000/2500W G22  
700 SX2 RANGE

713 SX2	29/50°
714 SX2	15/40°
710 SX2	10/25°
711 SX2	8/16°

# La lumière, l'art de l'ombre.

 **robert juliat**  
Distributed by :

# 600/700 SX RANGE - The details that make the difference...

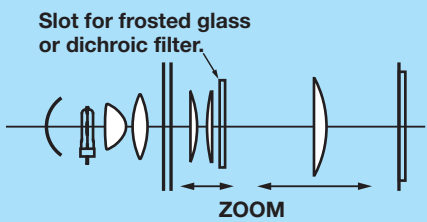


714 SX2 rear view.

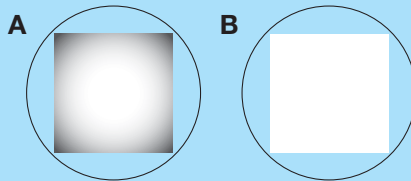


These figures are a guide for comparison between ROBERT JULIAT products. The measurements were taken from the centre of the sharp focus beam without hot spot.

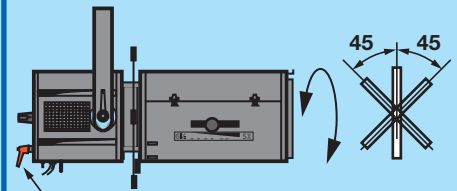
Robert Juliat reserve the right to change any item or information detailed on this page, to improve manufacturing techniques without prior notice.



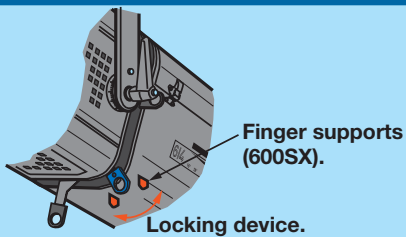
1 Condenser optical system of the 614SX.



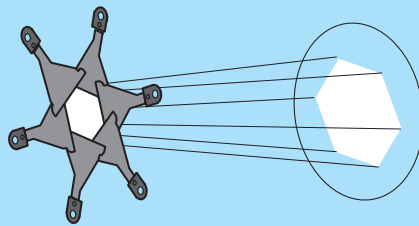
2 "A" with hot spot.  
"B" with flat SX optical system.



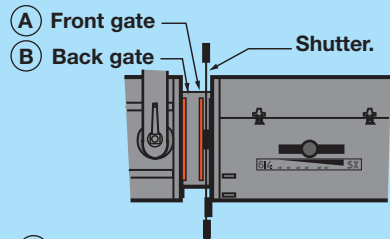
3 Rotating zoom (600SX) or gate (700SX2) locked into position with a handle.



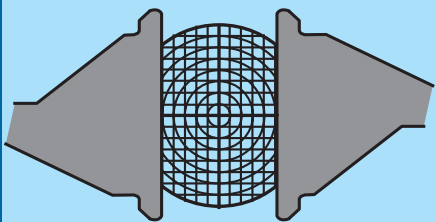
4 Fast shutters lock 600SX.



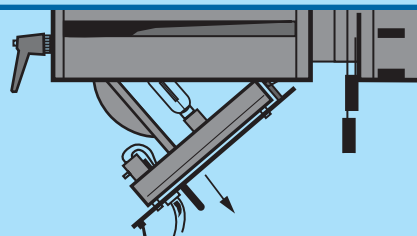
5 Use with more than 4 shutters.



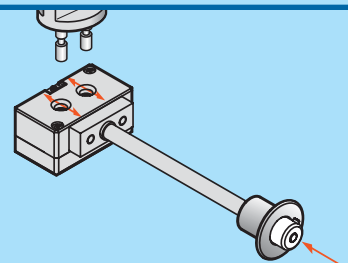
6 Gate.



7 Shutters sharp focus, gobo sharp focus.



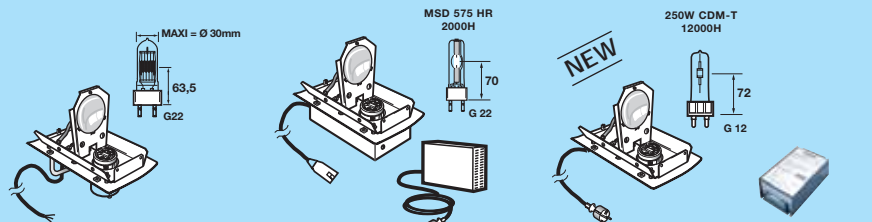
8 Access to the lamp (600SX).



9 G22 socket on 700 SX2 range.



10



11 T 600 KSX 1000/1200W G22 12 K 575 SXE MSD 575W G22 (hot restrike) 13 CDM-T 250W G12 (cold strike)

## SX RANGE -

### *The details that make the difference...*

#### OPTICAL SYSTEM.

- ROBERT JULIAT use a double condenser optical system (1). This gives a flat powerful light across the full beam width, without the hot spot and associated tail off towards the edge of the beam (2).
- The high quality optical system uses very pure tempered lenses with photographic coating to improve light transmission and cut down on reflexion.
- These lenses are mounted in soft mica clips on stainless steel holders.

#### GATE

- Rotating gate (shutters and gobo) for 700SX2, rotating lense tube and gate for 600SX both locked into position by a handle on the back of the lamp housing (3). The lamp housing remains static as its rotation would cause the bulb to burn at a bad angle, shortening its life.
- The new original shutters gate design has a shutter's lock and fingers support which allow quick and easy locking and unlocking without moving the lamp or shutters position (4).
- Up to 8 shutters can be used (two in each slot) allowing far greater design possibilities (5). The shutters are made of heavy-duty stainless steel.
- The gobo gate has 2 slots (6):
  - Slot "A" is close to the shutters, allowing both shutters and gobo to be sharp (7).
  - Slot "B" allows the use of a second gobo or an iris. A 3D effect is possible by balancing between 2 gobos.
- The slots have a sliding pressure bar that provides enough tension to hold the gobo or iris tight while enabling easy single-handed operation.
- All accessories are standard across the full SX and SNX ranges.

#### LAMP HOUSING

- The lamp housing is air-cooled on the 600SX range and fan-cooled on the 700SX2 ranges.
- Easy access is provided to change the lamp while maintaining high structural integrity of the unit.
- Access on the 700SX2 is made through the top of the lamp housing.
- The condenser lens holder is easily removable for cleaning. It is fixed with two butterfly nuts on the 600SX and a screw clasp on the 700SX2.
- The optical system is factory-set and requires no realignment whatsoever.

- The optical system, consisting of the mirror / the socket / the condenser lenses, is locked solid in order to guarantee the same high performance level on all units (with identical lamp).
- Heavy-duty trunion arm with tilt pointer on the conical locking handle (10).
- 3-meter long flexible power cord.

#### ZOOM

- The beam adjustment slides are on each side of the zoom enclosure, enabling simultaneous operation. The left side slide controls beam size while the right side slide controls focus.
- Slides are mounted on Teflon bearings for perfect movement and manipulated with non-loosening knobs.
- Internal slot between lenses for soft and dichroic glass (120mm x 120mm).
- External colour frame can also be set in the zoom front slot (optional 2-slot cassette also available).
- Standard accessories size :
  - 600 SX : 185 x 185mm.
  - 700 SX2 : 215 x 215mm.
- Other standards available on request.

#### DESIGN

- All models are very compact, making handling hassle-free.
- Working parts are easily accessible through the lamp housing trapdoor and zoom assembly hood for easy servicing.
- User's instructions and parts list are supplied with all units.
- All units comply with the new European regulations. NF EN 60598-1: 1993 / NF EN 60598-2-17: 1991 / A2: 1992.

#### AND MORE.

- 600 SX range is available with a G22 or P28s socket.
- 600 SX is also available for discharge lamp with or without controlled dimming.
  - MSD 575 HR with hot restrike electronic P.S.U. (12).
  - CDM-T 250W with cold strike electronic P.S.U. (13).
- 700 SX2 range is available with special fast locking G22 socket (9).
- 700 SX2 is also available for MSD 1200W (2000H) for architectural applications: "MISTRAL" range.
- 100/120Volts version also available.

# SX RANGE -

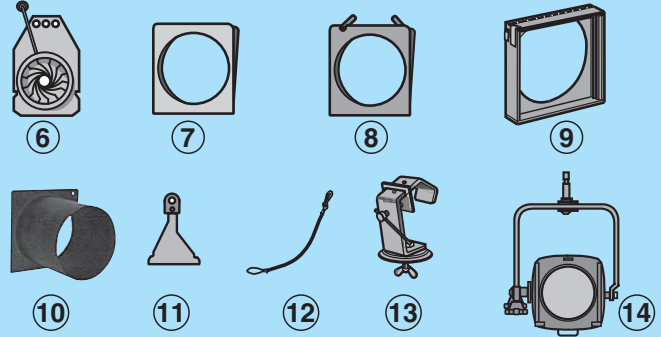
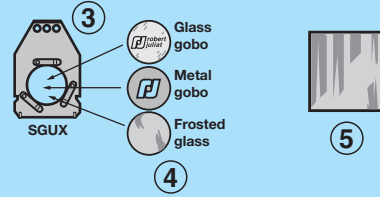
The accessories that make the difference...

## Included accessories.

- ③ Universal "A" size gobo holder : metal, glass, frosted glass (Ø100).
- ⑦ Cardboard filter holder : 180 x 180mm (600SX) or 215 x 215mm (700SX2).

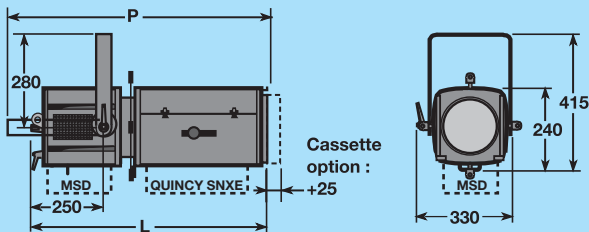
## Optional accessories.

- ④ Ø97 frosted glass.
- ⑤ 120 x 120 internal frosted glass.
- ⑥ Iris (monoplan) with holder.
- ⑧ Metal filter holder.
- ⑨ Double slot front cassette.
- ⑩ Top hat (600 SX range).
- ⑪ Spare shutter.
- ⑫ Safety bond.
- ⑬ Clamp.
- ⑭ Pole operated yoke.



## SIZE AND WEIGHT.

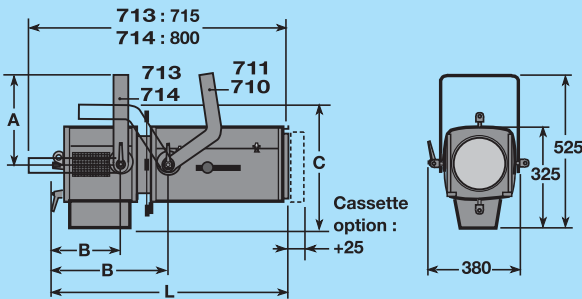
### 600 SX PROFILE RANGE.



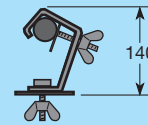
REF	L	P			
613	565	610	11Kg	14,5Kg	0,10m <sup>3</sup>
614	695	740	13Kg	16Kg	0,10m <sup>3</sup>
611	785	830	13Kg	17Kg	0,11m <sup>3</sup>

400 SXE range = +1Kg.  
400 SNXE range = +3Kg.  
Electronic P.S.U. = +2,5Kg.

### 700 SX2 PROFILE RANGE.



REF	L	A	B	C			
713	655	325	265	/	18,5Kg	22Kg	0,14m <sup>3</sup>
714	740	325	265	/	20Kg	23,5Kg	0,14m <sup>3</sup>
710	925	325	410	390	23,5Kg	27Kg	0,16m <sup>3</sup>
711	1010	325	440	390	23,5Kg	28Kg	0,17m <sup>3</sup>



Dimensions in mm.

## A FEW WORDS ABOUT LAMPS.

The most important part of the lighting unit is the lamp and the lighting system developed around it. A bad lamp will give bad results, we advise using lamps only from well known manufacturers, such as Osram - Philips - GE.

Check your mains voltage and make sure the lamp to be used corresponds. Overvoltage reduces the lamp life and increases the possibility of heat damage to the unit. +10% of current = -50% of lamp life.

Admissible lamps in 230 or 240Volts :

- 600SX 1000Watts: T19 : standard lamp life 750h 3000K : 20500 to 21000 L's.
- CP70 : standard lamp life 200h 3200K : 25000 to 26000 L's.
- 1200Watts: T29 : standard lamp life 400h 3000K : 27600 to 30500 L's.
- CP90 : standard lamp life 200h 3200K : 30000 to 33000 L's.

- 700SX2 2000Watts: CP92 : standard lamp life 400h 3200K : 50000 to 52000 L's.
- 2500Watts: CP91 : standard lamp life 400h 3200K : 65000 to 67500 L's.

CP91 lamp is not available in 110Volts.

The more compact the filament, the better the performance. Try not to use monofilament lamps or lamps of the wrong voltage. Do not use lamps with squint envelopes or those damaged in any way. A bad lamp often shows as an uneven flare on the shutters or exaggerated striations in the beam.

For the 600 SX range, 1200W lamps are not advised for permanent use on non-dimmable channels.

