# 710SX2

## 700SX2 - 2000/2500 W TUNGSTEN

- **Type:** Profile spot
- **Source:** 2000/2500 W Tungsten
- **Optics:** 10° to 25° zoom

# The ideal zoom profile for all long throw applications

Combining power with a smooth flat beam, the 710 SX2 is the perfect profile for all long throw applications in medium to large theatres and opera houses. Its secure G22 lamp socket ensures reliability, longer lamp life, and 2000 W or 2500 W lamp options.

## Features

- **Multi-function double gate:** simultaneous use of gobos and iris. Sharp focus of both gobo and shutter
- **Shutter gate:** up to 8 shutters. Remove shutters for easy maintenance or tuck fully inside gate for secure transport
- **User-friendly shutter-lock system:** secures shutters' setting in any circumstances (locking efficient up to 4 shutters)
- **Universal gobo holder:** "A" size glass and metal gobo
- **Gate lock feature:** secures rotating gate against unwanted movement
- **90° rotating gate :** rotation of the projected image is always possible while the lamp remains vertical – no need to move the yoke
- **Internal glass filter holder:** long term use of durable coloured, dichroic or textured glass
- **Easy focus reference:** graduated scale on side of the unit; fast and easy refocusing
- **Tilt reference on hanging yoke:** index for rapid re-positioning

## Optical

- **Factory set optical train:** no re-alignment even after lamp change
- **SX optical system:** double condenser optics for exceptional optical quality
- **Variable zoom optics:** sharp focus at every beam angle. Independent control of image size and focus. Focus handles on both sides

## Construction

- **Made in France :** fully manufactured in Robert Juliat premises retaining complete control over all aspects of quality
- **G22 socket locking system exclusive to Robert Juliat:** holds the lamp securely in place to ensure there is no arcing, even when the fixture is pointing vertically downward
- **Silent-running cooling fans:** ideal for TV studios and opera houses
- **Bodywork:** strong sheet metal construction for durability
- **Moving parts:** smooth at all times, even when hot
- **Captive knobs and handles:** additional security when working at height or in transit
- **Easy access to all parts:** easy cleaning, re-lamping and maintenance
- **Removable assemblies:** fast-plug cable connectors and complete component assemblies (mirror, condenser set and lamp house assembly) save maintenance and cleaning time
- **Spare parts and accessories:** interchangeable across the tungsten, discharge or LED ranges, reducing running costs

Picture:710SX2

## ROBERT JULIAT

## Source
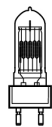
- **Lamp type:** Tungsten
- **Socket:** G22

| Admissible lamps | Power * | Lumen output* | Colour temperature* | Life* |
|---|---|---|---|---|
| **LIF:** CP92 | 2 000 W | 52 000 lm | 3200K | 400 h |
| **LIF:** CP91 | 2 500 W | 65 000 lm | 3200K | 400 h |

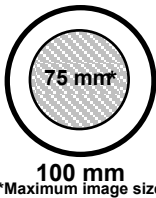*(*) manufacturer's data*

## Optics

### Characteristics
- **Type:** Zoom
- **Range:** 10° to 25° (Field angle)
- **Focal length:** 180 - 457 mm

### Gel filter
- **Shape:** Square
- **Standard size:** 215x215 mm (8.5x8.5 in)

### Gobo
- **Size:** A
- **Material:** Metal / Glass

75 mm*

**100 mm**
*Maximum image size

## Photometrics

optics: 10°-25° / Standard / **LIF:** CP91 2500W

### • Optics @ 10°



Field angle 3%

**10°**
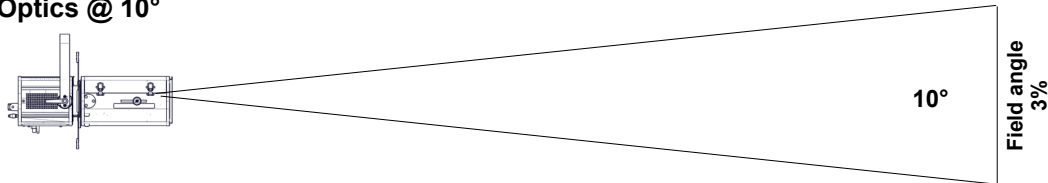
**Beam intensity**
788 000 cd

| Distance | 10 m | 20 m | 30 m | 40 m | 50 m | 60 m |
|---|---|---|---|---|---|---|
| Diameter | 1.7 m | 3.5 m | 5.2 m | 7 m | 8.7 m | 10.5 m |
| Illumination | 7 900 lux | 2 000 lux | 880 lux | 500 lux | 320 lux | 220 lux |
| Distance | 35 ft | 65 ft | 100 ft | 130 ft | 165 ft | 195 ft |
| Diameter | 6.1 ft | 11.4 ft | 17.5 ft | 22.7 ft | 28.9 ft | 34.1 ft |
| Illumination | 650 fc | 190 fc | 80 fc | 47 fc | 29 fc | 21 fc |

### • Optics @ 25°



Field angle 3%

**25°**
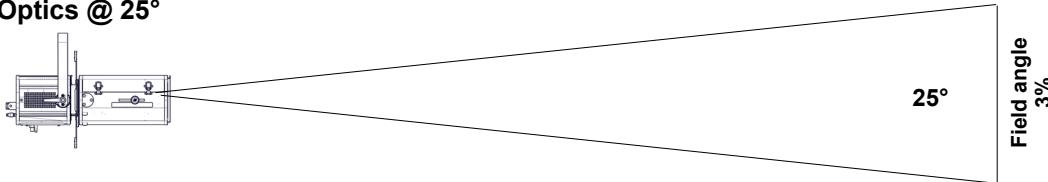
**Beam intensity**
147 000 cd

| Distance | 10 m | 20 m | 30 m | 40 m | 50 m | 60 m |
|---|---|---|---|---|---|---|
| Diameter | 4.4 m | 8.9 m | 13.3 m | 17.7 m | 22.2 m | 26.6 m |
| Illumination | 1 500 lux | 370 lux | 170 lux | 95 lux | 60 lux | 41 lux |
| Distance | 35 ft | 65 ft | 100 ft | 130 ft | 165 ft | 195 ft |
| Diameter | 15.5 ft | 28.8 ft | 44.3 ft | 57.6 ft | 73.2 ft | 86.5 ft |
| Illumination | 130 fc | 35 fc | 15 fc | 9 fc | 6 fc | 4 fc |

## Dimensions and weight



**Weight:** 23 kg (50.6 lbs)

| Height | Length | Width | Yoke | Tilt | Option |
|---|---|---|---|---|---|
| H= 525 mm (20.7 in) | L= 925 mm (36.4 in) | W= 380 mm (15 in) | Y= 325 mm (12.8 in) | TU= TBD° | O= 25 mm (1 in) |
| H1= 250 mm (9.8 in) | L1= 410 mm (16.1 in) | W1= 250 mm (9.8 in) | | TD= TBD° | |
| H2= 330 mm (13 in) | L2= 515 mm (20.3 in) | | | | |
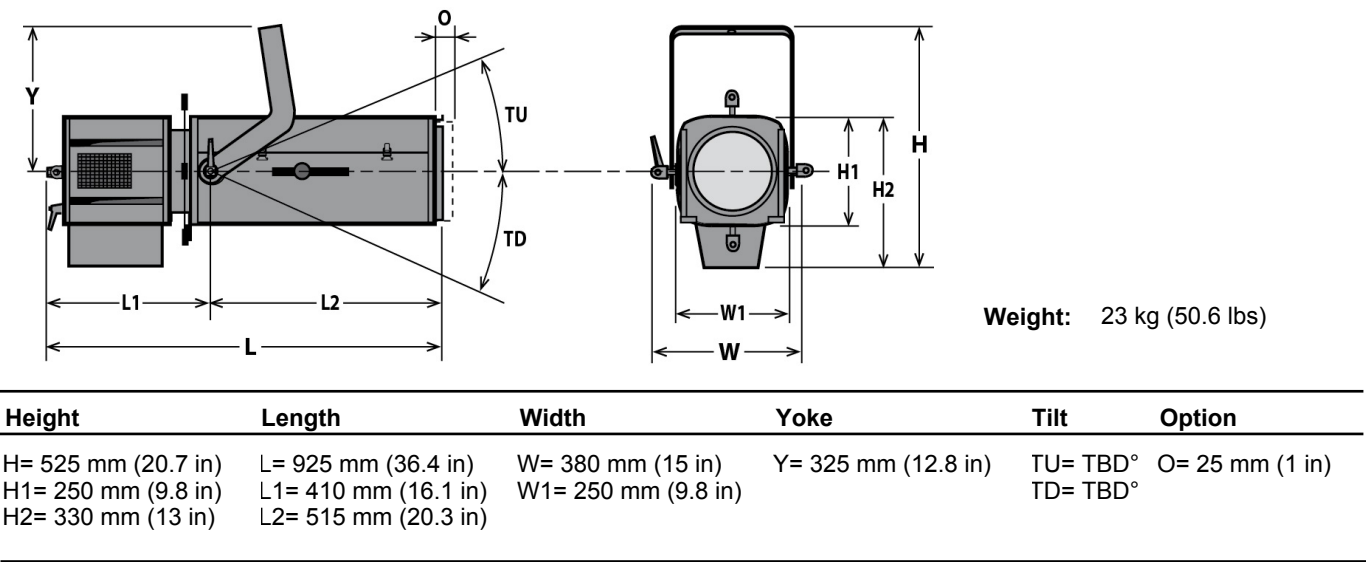
## Shipping

- **Weight :**   27 kg (59.4 lbs)

- **Volume :**   .16 m³ (5.65 ft³)

## Installation

- **Minimum distance to illuminated surface:**  2.8 m   ( 9.2 ft )
- **Operating position:**
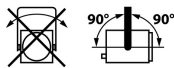


## Warranty

- **Fixture: 2 years**
*See General Sales Condition on website*

## Approvals



## Construction

- **Housing:** Steel sheet - Aluminium
- **Colour:** Black
- **Cooling:** Low noise fan
- **Maximum ambient temperature (Ta):** 40°C (104°F)
- **Maximum case temperature (Tc):** 270°C (518°F)
- **Total heat dissipation:** 6 826 BTU/h
- **Ingress Protection (IP) rating**: IP20

## Electrical compatibility

- 230/240 V - 50 Hz
- ~~115/120 V - 60 Hz~~

## Power input



- **Type:** attached power cord
- **Cable:** H07RNF 3G1.5
- **Length:** 3 m (9.8 ft)
- **Power connector:** CEE 7/7 (2P+E NF/Schuko)

## Power consumption

| Voltage | Frequency | Current | Power |
|---|---|---|---|
| 230 V | 50 Hz | 9 A | 2000 W |
| 230 V | 50 Hz | 11 A | 2500 W |

## Model

| 710SX2 | 2000/2500 W Tungsten Profile spot - G22 socket - 710SX2 - 10/25° |
|---|---|

## Options

| CAV700 | Double slot front cassette for 215x215mm accessories | |
|---|---|---|
| CAV700J | Double slot front cassette for 245x245mm accessories | |
| PCP1716A | 16A blue 2P+E 6h IEC60309 power connector | |

## Accessories

| D8 | Shutter for SX series  **4 included** | |
|---|---|---|
| PF1000M2 | 215x215mm metal filter holder  **1 included** | |
| SGUX | Universal "A" size gobo-holder (metal, glass, frosted glass)  **1 included** | |
| CP91 | CP91 - G22 2500W 230V 400h 3200K lamp | |
| CP92 | CP92 - G22 2000W 230V 400h 3200K lamp | |
| IWSX755 | Drop-in iris (monoplane) with holder - Weight: 0.26 Kg | |
| G1000 | 215x215mm safety grid | |
| CAV700A | Double slot front cassette for 215x215mm accessories - Weight: 0.52 Kg | |
| CAV700AJ | Double slot front cassette for 245x245mm accessories - Weight: 0.95 Kg | |
| RV934 | Front extension cassette for 215x215mm accessories with fan - Weight: 2 Kg | |
| LH/770SXCW | 600W CW LED profile lamp house Bizet for 710/711SX optics - Weight: 13.6 Kg | |
| LH/770SXVW | 500W VW LED profile lamp house Bizet for 710/711SX optics - Weight: 13.6 Kg | |
| VD120 | 120x120mm frosted glass | |

| | | |
|---|---|---|
| **FD700** | Straight yoke - Weight: 1.5 Kg | |
| **876** | Hook clamp 40x10mm with 28mm M10 screw for Ø35 to 50mm pipes - SWL: 50Kg - Weight: 1.25 Kg | |
| **880** | Hook clamp 40x10mm with 28mm M10 screw for Ø50 to 63mm pipes - SWL: 50Kg - Weight: 1.36 Kg | |
| **CS2** | Safety cable Ø3 mm L= 600mm - SWL: 75 Kg | |