



Control Modes

AVB / TSN interface for data streaming via Ethernet, FB4 interface, AIFF player function, stand-alone player, DMX / ArtNET, control software “LA.toolbox” for PC or Mac included

Type

RSL Gen. 3 - CW analog modulated

Beam Specifications*

5 mm | 0.7 mrad

Scanner

45 kpps at 8°, max. 50°
Optional: CT-6210 Turboscan XD: 60 kpps at 8°; max. 60°

Weight

20 kg

Dimensions

L 28.9 cm x W 29.6 cm x H 23 cm

IP Rating

IP65

Thermal

Ambient temperature: 5°C - 45°C

Electrical Input

Universal input: 85 VAC - 264 VAC, 50 - 60 Hz
Power consumption: 600 W - 800 W

Laser Safety

- Electronic mask to define protected areas in a laser projection using controlling software
- Scanfail safety circuit
- Physically 4-way adjustable beam blocker
- Key switch, Interlock, emission LEDs

Climate Components

- Generously dimensioned heat sink as base for all temperature relevant components
- Peltier elements for either heating and cooling
- Temperature controlled fans with high efficiency

Standardized Connectors

- AC Mains Connector: Neutrik PowerCon TRUE1
- Remote: 3pin XLR (external key switch, interlock)
- DMX In / Thru
- LAN

Available Upgrade Options:

- CT-6210 scanner with proven TurboscanXD driver electronics
- LA.brush hardware upgrade to modify the beam divergence

*FWHM average depending on model



Laser Projector	Guaranteed optical power*	Minimum power at aperture	Red Module (637 nm)	Green Module (525 nm)	Blue Module (455 nm)
PHAENON XS 18	20 W	18 W	4.8 W	6.6 W	10 W
PHAENON XS 25	25 W	22.5 W	6.6 W	9.2 W	10 W
PHAENON XS 40	41 W	36.5 W	13.2 W	16.1 W	15 W

*at laser modules

All models are also available with CT-6210 Turboscan XD upgrade

PHAENON XS

LASER PROJECTORS



Key Features

- Modular laser system with LaserAnimation manufactured red, green, and blue laser diode modules
- IP65-rated housing
- Integrated intelligent LaserAnimation Sollinger Mainboard
- Control via “LA.toolbox” software (electronic mask, color correction, DGC (Digital Geometric Correction), laser disable). Software included in delivery
- AVB / TSN interface for streaming data via Ethernet
- FB4 interface integrated

The ultra-compact PHAENON XS series is a high-end RGB diode laser series developed for professional applications where performance, precision and reliability are essential. The IP65-rated housing measures just 28.9 x 29.6 x 23 cm (excluding mounting bracket and screws), making it exceptionally well suited for transport as well as installation.

The devices of the PHAENON XS series deliver a guaranteed optical output of 20 W, 25 W or 41 W at the laser modules (minimum 18 W, 22.5 W or 36.5 W at the aperture) and enable reliable outdoor operation across a wide range of weather conditions.

Thanks to specially developed optical components for beam shaping, combination and focusing, these projectors achieve a homogeneous beam profile with a beam diameter of 5 mm and a very low divergence of 0.7 mrad*, even over long distances. All laser colors are combined into a single, high-intensity focused beam.

Scanning is performed via 45 kpps scanners (at 8°) with a maximum scan angle of 50°. An optional CT-6210 Turboscan XD upgrade increases performance to 60 kpps at 8° and extends the scan angle to 60°.

The modular design features the intelligent LaserAnimation Sollinger mainboard, giving the laser operator a wide range of control and setting options (e.g. via LA.toolbox) as well as transmission options such as AVB (Audio Video Bridging, internal cabling required). An FB4 card is integrated as standard in the projector. In addition, the PHAENON XS laser systems can be equipped with LA.brush. LA.brush is a hardware upgrade that includes a special optical component, with which the divergence can be varied from 0.7 mrad up to 14 mrad. As standard, every PHAENON XS laser projector is delivered in a rugged flightcase.

Thanks to their compact design, their high output of 20 W, 25 W or 41 W and their thoughtful engineering, the PHAENON XS 18, PHAENON XS 25 and PHAENON XS 40 laser projectors – each also available as a CT variant, PHAENON XS 18 CT, PHAENON XS 25 CT and PHAENON XS 40 CT – are the ideal choice for demanding installations in clubs, theaters and at events, as well as for permanent laser art installations.



DIN EN ISO 9001:2015

