

PHAENON XS SERIES

LASER PROJECTOR SERIES

LaserAnimation
SOLLINGER



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The PHAENON XS series is an ultra-compact, high-end RGB diode laser projector series designed for professional applications where power, precision and reliability are essential. Housed in a sleek, IP65-rated chassis measuring just 296 mm × 233 mm × 288.5 mm (without bracket and screws), the PHAENON XS devices delivers a guaranteed optical output of 15 W resp. 30 W (minimum 13 W resp. 26.5 W at the aperture) by combining red (637 nm), green (525 nm) and blue (455 nm,) laser diode modules into one

high-intensity, focused beam - allowing reliable operation in outdoor environments under a wide range of weather conditions.

Thanks to carefully selected optical components for beam shaping, combination and focusing this system achieves a homogeneous beam profile

with a 5 mm diameter and very low divergence ($\leq 0.7 \text{ mrad}^*$), even over long throw distances.

Scanning is handled by a 45 kpps (at 8°) scanner with a maximum scan angle of 50°, while an optional CT-6210 Turboscan XD upgrade boosts performance to 60 kpps at 8° and extends the scan angle to 60°.

The modular design features a mainboard with AVB (Audio Video Bridging; internal wiring required) as well as FB4 interface, and can be equipped with LA.brush. LA.brush is a hardware upgrade that features a special optical component, capable of modifying the divergence from 0.7 mrad up to 14 mrad.

Thanks to their compact design, powerful 15 W or 30 W output and professional appearance, the PHAENON XS 15 and PHAENON XS 30 laser projectors are the ideal choice for demanding installations in clubs, theaters and on event stages, as well as for permanent laser art installations.

The PHAENON series laser projectors have been known in the industry for years for their excellent quality, exceptional reliability, guaranteed safety and high ease of use. That's why they are the first choice of numerous renowned companies from the event sector for extensive installations with lasers.



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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

Typical wavelengths:

637 nm | 525 nm | 455 nm

Type

RSL Gen.3 - CW analog modulated

Beam Diameter*

5 mm

Beam Divergence*

0.7 mrad

Scanner

45 kpps at 8°, max. 50°

Optional: CT 6210 Turboscan XD: 60 kpps at 8°; max. 60°

Weight

ca. 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

Properties

- 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 DMX included
- CT-6210 scanner with proven TurboscanXD driver electronics optionally available
- LA.brush hardware upgrade to modify the laser divergence optionally available

*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 15	15 W	13 W	4.5 W	6.6 W	6 W
PHAENON XS 30	30 W	26.5 W	9 W	13.2 W	12 W

LaserAnimation Sollinger product specifications are based on the latest information. While we strive for accuracy, they are subject to change without prior notice.



CAUTION – CLASS 4 LASER
RADIATION WHEN OPEN
AVOID EYE OR SKIN EXPOSURE TO
DIRECT OR SCATTERED RADIATION

LASER RADIATION
AVOID EYE OR SKIN
EXPOSURE TO DIRECT
OR INDIRECT RADIATION
CLASS 4 LASER PRODUCT
DIN EN 60825-1:2015-07