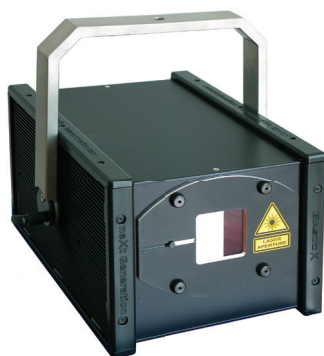
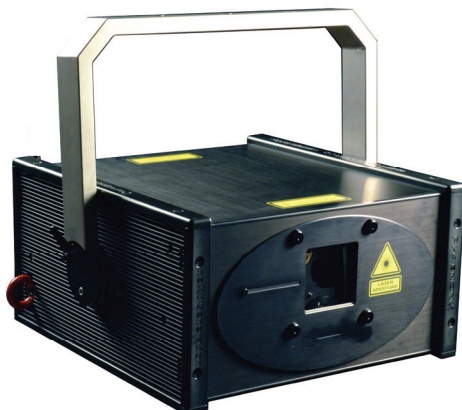


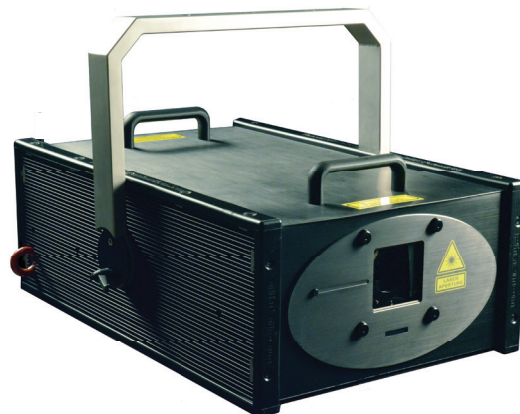
High-end Full Color Laser Projectors for Professional Applications



PHAENON X Mini



PHAENON X Pro compact



PHAENON X Pro (longish)

Laser System

Modular laser system based on unique red and blue laser diode modules manufactured by LaserAnimation combined with green and additionally yellow or orange and cyan Genesis TAIPAN OPSL by Coherent Inc.

Typical wavelengths: 638 nm | 577 nm / 590 nm | 532 nm | 488 nm / 480 nm | 445 nm

Type: CW analog modulated

Beam Diameter: 3 mm

Divergence (full angle): < 1 mrad

Laser class: 4

Models

PHAENON X	Enclosure	Specified Output @ Source [mW]					
		Total	Red Module	Yellow / Orange Taipan OPSL	Green Taipan OPSL	Cyan Taipan OPSL	Blue Module
Mini 5500	Mini	12,200	3200 ¹⁾	-	5000	-	4000 ⁵⁾
Mini 7000	Mini	15,800	4800 ²⁾	-	5000	-	6000 ⁶⁾
Pro 11500	compact	22,400	6400 ³⁾	-	8000	-	8000 ⁷⁾
Pro 24000	compact	25,600	9600 ⁴⁾	-	8000	-	8000
Pro 15500 O	compact	25,400	6400	3000	8000	-	8000
Pro 15500 Y	compact	27,400	6400	5000	8000	-	8000
Pro 30000	compact	31,600	9600	6000	8000	-	8000
Pro 35000	longish	36,600	9600	6000	8000	5000	8000

¹⁾ Array with 16 red laser diodes a 200 mW

²⁾ Array with 24 red laser diodes a 200 mW

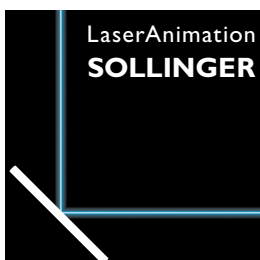
³⁾ Array with 32 red laser diodes a 200 mW

⁴⁾ Array with 48 red laser diodes a 200 mW

⁵⁾ Array with 2 blue laser diodes a 2000 mW

⁶⁾ Array with 3 blue laser diodes a 2000 mW

⁷⁾ Array with 4 blue laser diodes a 2000 mW



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Technical specifications subject to change without prior notice!

Laser Safety

- Electronic mask to define protected areas in a laser projection using controlling software
- Scanfail safety circuit
- Physical adjustable beam blocker
- Key switch, interlock loop, emission LED

High-end Components

- CT 6210H X,Y scanners with LaserAnimation's high-speed TurboScan drivers
Scan system speed: 40 k ILDA 8°
Aperture: 4 mm
Projection angle: 80° maximum, 50° typical
Reaction time (2° opt. step): < 0.2 ms
- Motorized beam adjustment for comfortable adjusting the superposition of the colored beams
- Grating module for extraordinary background effects (optional)
- Laser show controller Lasergraph DSP PCB (optional)

Control

- LA Toolbox software for Windows as well as MAC OS X 10.6 or later
- Using terminal consisting of display and jog dial on backplane (PHAENON X Pro only)

Climate Components

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

Thermal

- Max. ambient temperature: 50°C
- Min. ambient temperature: - 5°C

Standardized Connectors

- AC Mains Connector: Neutrik PowerCon
- Projector Signal, analog: ILDA In D-sub 25, differential inputs
- Remote: 7pin XLR (RS232, external key switch, interlock)
- DMX In / Thru / Out: 5pin XLR
- LAN

Electrical Input

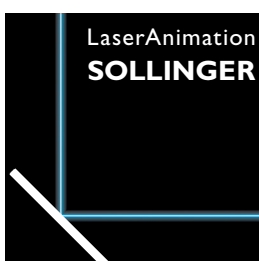
- Universal input 85 VAC - 264 VAC, 50 – 60 Hz
- Input power: 500 W - 950 W maximum

Compliance

CE, CDRH ready

Warranty

12 months after delivery



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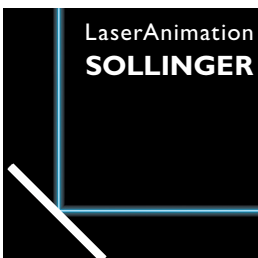
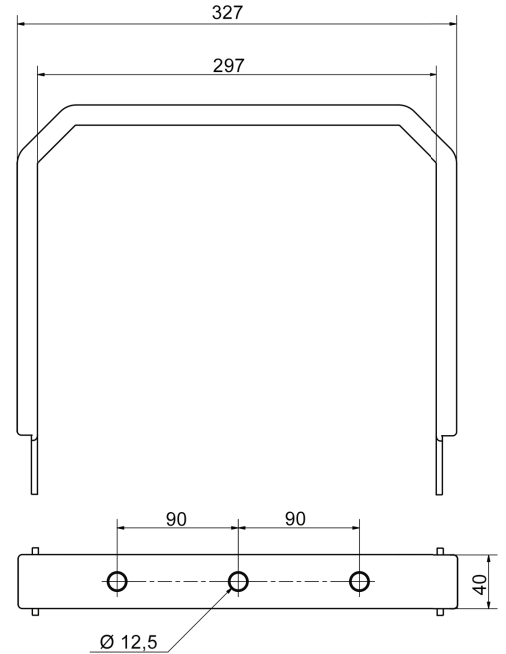
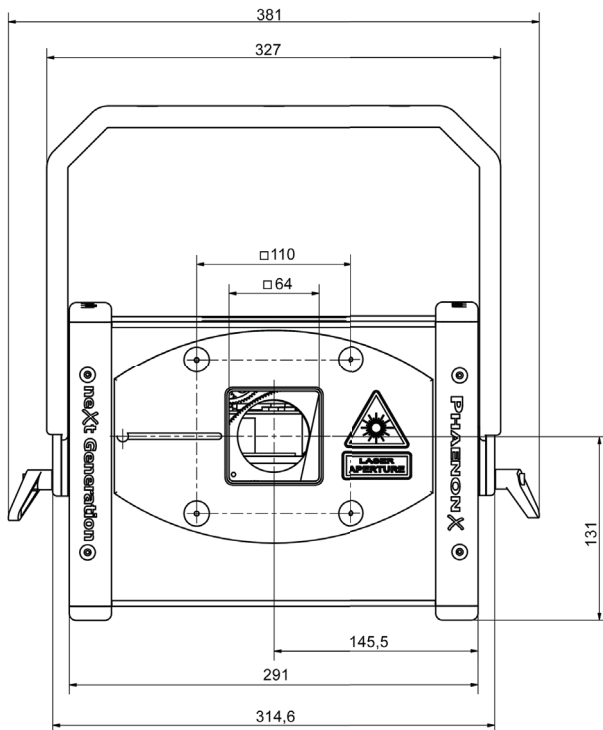
Technical specifications subject to change without prior notice!

Package
PHAENON X Mini

	Type	Picture	Dimensions [cm]
Standard	Alu case 80 l		external: 69 x 45,5 x 32 internal: 66.8 x 42.8 x 28.5 weight: 5 kg
Optional	bwh Casys Box No. 2		external: 60.5 x 44.5 x 43.5 internal: 51 x 36 x 26.5 weight: 5.2 kg
	Peli Case 1620		external: 63 x 49,2 x 35,2 internal: 54.3 x 41.4 x 31.9 weight: 11.1

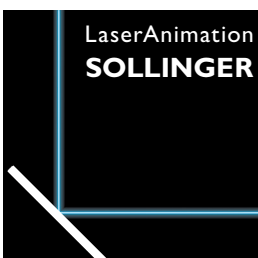
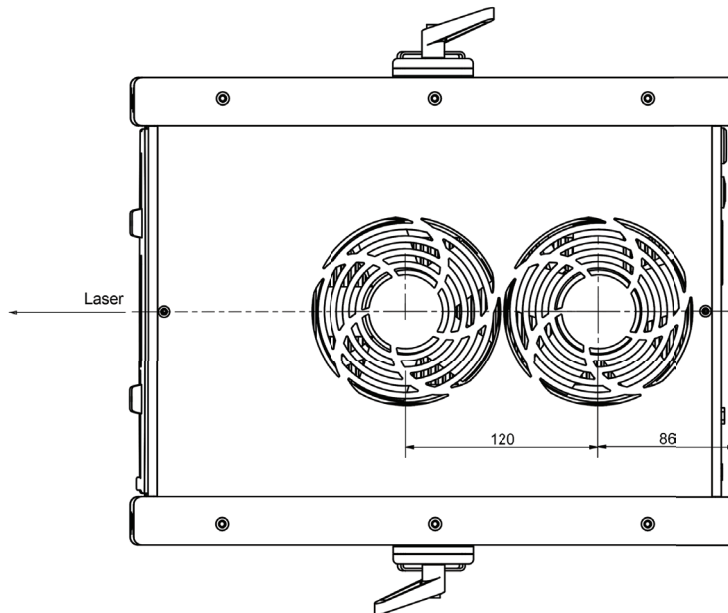
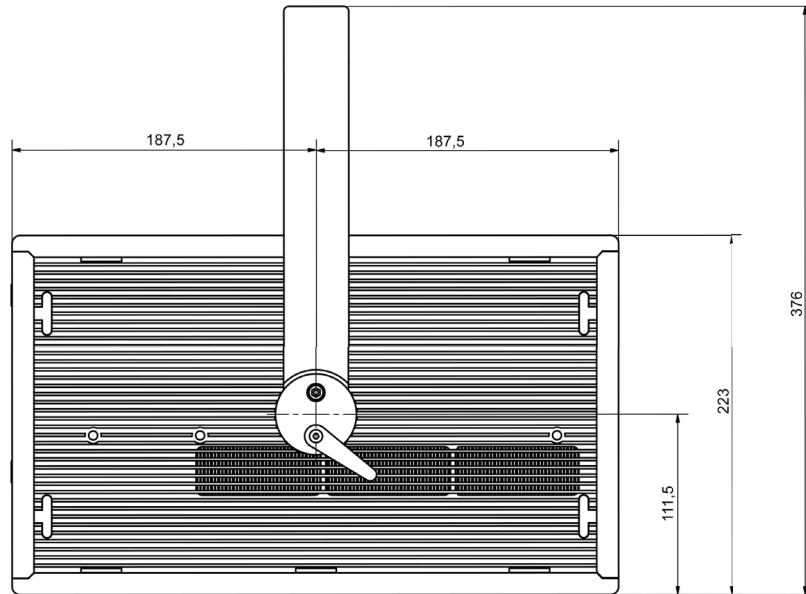
Physical
PHAENON X Mini

- Length: 375 mm
- Width: 291 mm
- Height: 223 mm (without yoke)
- Weight: Approx. 18 kg to 22 kg
- Housing: Dustproof, black anodized Aluminum with plastic edges
- Degree of protection: IP54
- Extra stable stainless steel yoke for truss mounting and loop for safety rope
- Integrated output window protector



Technical specifications subject to change without prior notice!

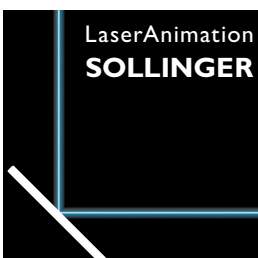
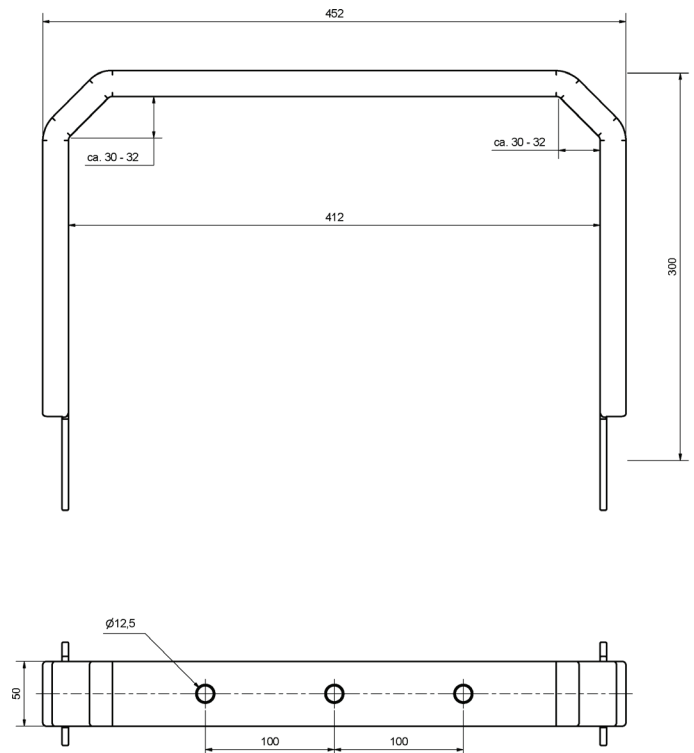
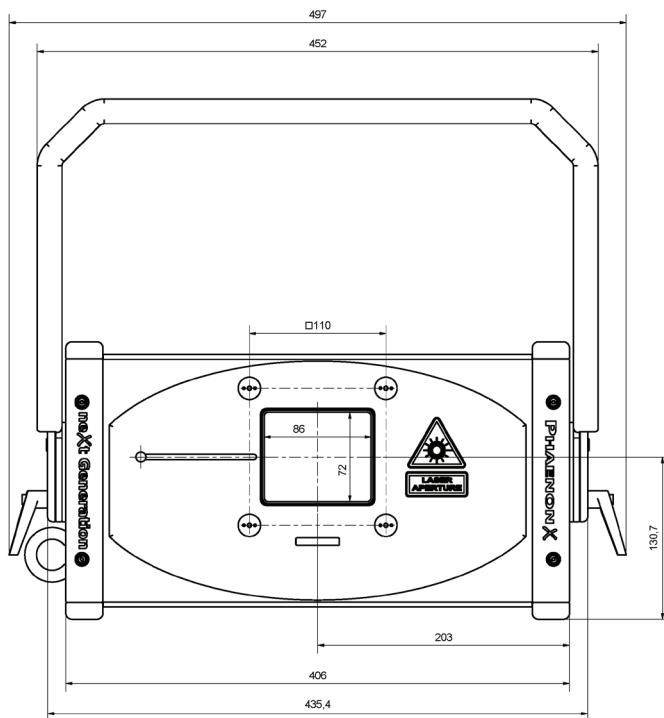
Physical
PHAENON X Mini



Technical specifications subject to change without prior notice!

Physical PHAENON X Pro

- Length: 420 mm / 620 mm
- Width: 406 mm
- Height: 223 mm (without yoke)
- Weight: Range of approx. 22 kg to 41 kg
- Housing: Dustproof, black anodized Aluminum with plastic edges
- Degree of protection: IP54
- Extra stable stainless steel yoke for truss mounting and loop for safety rope
- Integrated output window protector






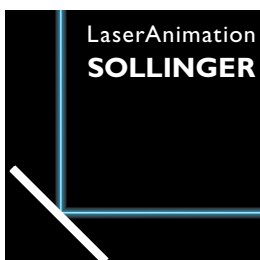
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**Package
PHAENON X Pro**

		Type	Picture	Dimensions [cm]
Standard	For PHAENON X Pro 420 mm long	Alu case 130 l		external: 80,0 x 54,0 x 26,5 internal: 77,5 x 51,0 x 33,0 weight: 6.6 kg
Optional		Peli Case 1640		external: 69,1 x 69,9 x 41,4 internal: 60,2 x 61,0 x 35,3 weight: 15.4
Standard	For PH X 620 mm long	Peli Case 1630		external: 79,4 x 61,5 x 44,4 internal: 70,3 x 53,3 x 39,4 weight: 16.3 kg



Technical specifications subject to change without prior notice!