PHAENON RGB Basic Laser Projectors

The PHAENON RGB Basic is a full color laser projector feature handy-size with ultra-low weight and an excellent price performance ratio. It is especially suitable for indoor applications with little need for adjustment.
With a built-in grating module and / or Lasergraph DSP show controller the PHAENON Basic offer the versatile possibilities of a complete laser show system (projection of laser patterns, play back and programming of laser shows).

Laser Sources

Different laser systems are available for the PHAENON RGB Basics:

1. ***Pure Diode*** - complete RGB laser diode module manufactured by LaserAnimation
   Typical wavelengths: 638 nm I 520 nm I 445 nm
2. ***Combined*** - based on unique red and blue laser diode modules manufactured by LaserAnimation combined with a green Genesis TAIPAN OPSL
   Typical wavelengths: 638 nm I 532 nm I 445 nm

Pure Diode (PD)				
PHAENON RGB	Specified Laser Output @ Source [mW]			
	Total	Red	Green	Blue
Basic 2500	5600	1600	2000	2000
Basic 3500	7200	3200	2000	2000
Basic 5000	11,200	3200	4000	4000

Combined				
PHAENON RGB	Specified Laser Output @ Source [mW]			
	Total	Diode Module	Taipan OPSL	Diode Module
		Red	Green	Blue
Basic 5500	12,200	3200	5000	4000

LaserAnimation SOLLINGER

MADE IN GERMANY used worldwide

TÜV SÜD ISO 9001

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Laser Specs

- CW analog modulated
- Laser class 4
- Beam Diameter 4 mm
- Divergence < 1.1 mrad (full angle)

Laser Safety

- Scanfail safety circuit
- Physical adjustable beam block
- Key switch, interlock loop, emission LED

Scanner Unit

X,Y scanner CTI 6210H (Cambridge Technology) with Turbo Scan driver

- Scan system speed: 40 k ILDA 8°
- Aperture: 4 mm
- Projection angle: 80° maximum, 50° typical
- Reaction time (2° opt. step): < 0.2ms

Standardized Connectors

- AC Mains Connector: 3-pin IEC socket male
- Projector Signal, analog: ILDA In D-sub 25, differential inputs
- Remote: 7pin XLR (RS232, external key switch, interlock)
- DMX In: 5pin XLR
- LAN: RJ-45 jack (optional)

Thermal

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

Climate Components

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

Electrical Input

- Universal input 85 VAC - 264 VAC, 50 – 60 Hz
- Input power: 200 - 500 W maximum

Control

- Using included "LA Toolbox" software for Windows as well as MAC OS X

Options

- Built-in Grating module for extraordinary background effects
- Built-in Laser show controller Lasergraph DSP *PCB*
- Wide angle lense (fisheye) for mounting to the laser output

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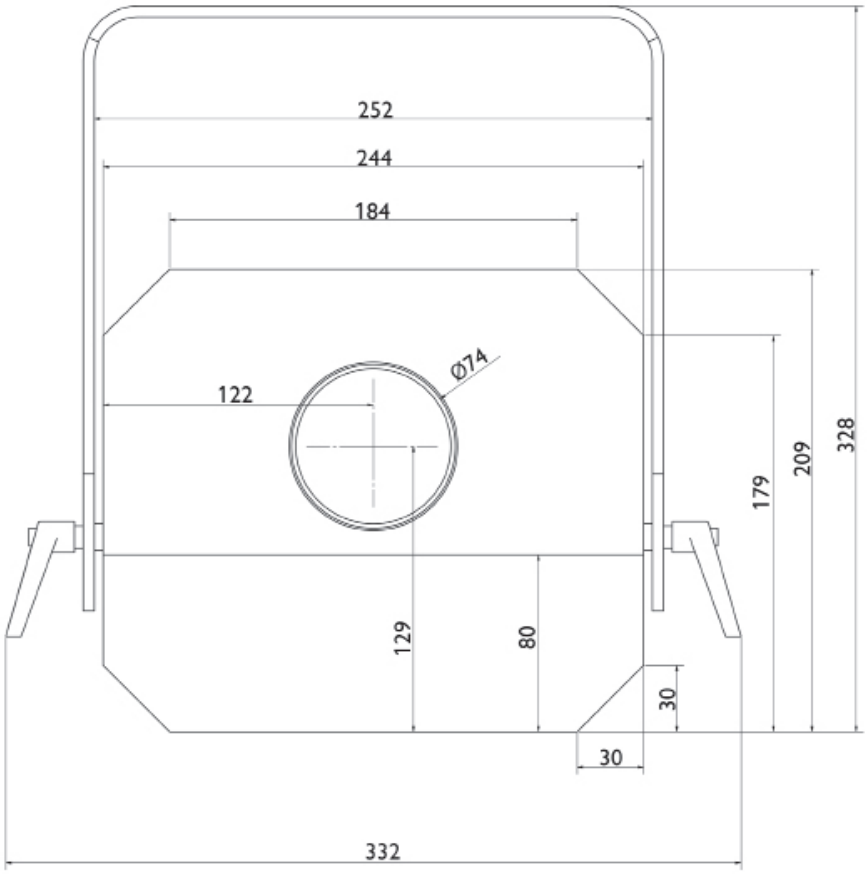
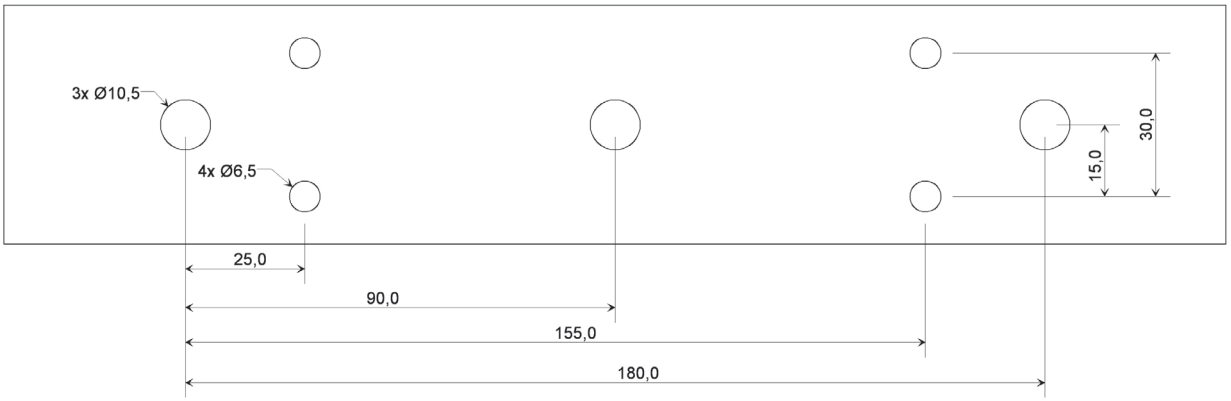
Physical

- Length: 340 mm
- Width: 245 mm
- Height: 210 mm (without yoke)
- Weight: Range of approx. 9 kg to 17 kg (depending on model)
- Housing: Powder coated steel plate black, dustproof
- Degree of protection: IP54



Dimensions Yoke



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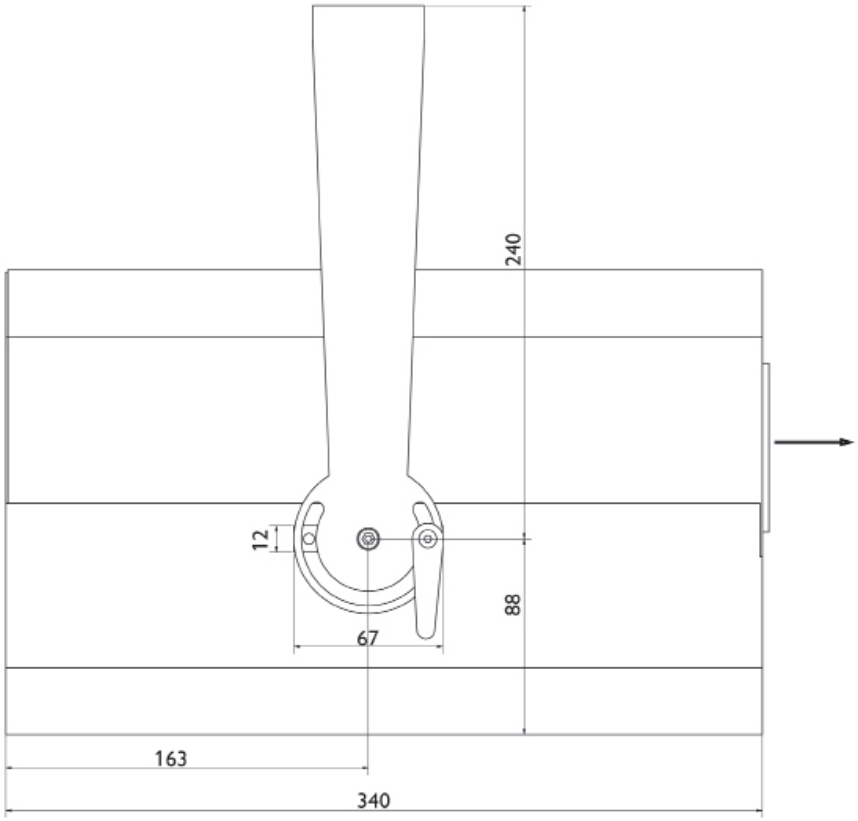

Package

	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

Compliance CE, CDRH

Warranty 12 months after delivery

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