

## TECHNICAL SPECIFICATIONS

### Full Color Laser Projector PHAENON RYGB 15500

Front View



Laser			
Class	4		
Type	CW, analog modulated, 100kHz maximum		
Beam diameter	< 4mm		
Beam divergence (full angle)	< 1mrad		
Total output power	13,500mW		
White light D65	10,500mW maximum (@ output window)		
Laser source	Wavelength	Type	Optical power
Red	638 - 643nm	Laser diode	2500mW
Yellow	577nm	Coherent® TAIPAN	3000mW
Green	532nm ± 2nm	Coherent® TAIPAN	5000mW
Blue	445nm ± 5nm	Laser diode	3000mW

Projector	
Scanner	CTI 6210 / 6800H with Turboscan driver
Aperture	3mm
Projection angle horizontal	80° maximum / 50° typical
Projection angle vertical	80° maximum / 50° typical
Response time (2°opt. step)	0.2ms
Laser emission window	B+W antireflective coated
Built-in Options	
Grating module	Two Effect wheels: 1. With grid grating 1 (Grid WT), ultra fine line grating (Machado), special grid (Stargate) 2. With grid grating 2 (Grid XT), line grating, Lumia
“compact Mark 2”	Laser show controller

Safety Features	
Key switch, Interlock loop. Emission LED	
Scan fail safety	
Multiple control loops with shutdown at malfunction	
External mechanical beam stop	

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#### Connections

AC power input	Air tight chassis connector PowerCon® 3-pole
Projector signal, analog	ILDA In, ILDA Out, D-sub 25
Remote control	7pin XLR (RS232, external key switch, Interlock)
DMX In/Out (optional)	5pin XLR Jack
LAN (optional)	8pin RJ45 Jack

#### Electrical

AC power input	100-120VAC / 200-240VAC / 50-60Hz auto ranging, switch mode
Input power	750W maximum

#### Thermal

Max. ambient temperature	50°C
Min. ambient temperature	-5°C
Protective housing	IP 54
Cooling	Forced air, low noise regulated fans

#### Physical

Size (L x W x H)	400 x 400 x 200mm
Height with yoke	approx. 330mm
Width with yoke	approx. 480mm
Weight	approx. 25kg (without yoke, without options)
Material	Aluminum anodized, black
Construction	Dust proof housing

#### Conformity

CE, CDRH compliant / variance
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Technical specifications subject to change without prior notice!