

## TECHNICAL SPECIFICATIONS

### Full Color Laser Projector PHAENON RGB 7000



Front View

#### Laser

Class	4		
Type	CW, analog modulated, 100kHz maximum		
Beam diameter	3.5mm		
Beam divergence (full angle)	< 1mrad		
Total output power	6500mW		
White light D65	4100mW maximum (@ output window)		
Laser source	Wavelength	Type	Optical power
Red	638 - 643nm	Laser diode	2000mW
Green	532nm ± 2nm	Coherent® TAIPAN	3000mW
Blue	445nm ± 5nm	Laser diode	1500mW

#### 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	With two effect wheels: 1. gratings: grid WT, ultra fine line (Machado), special grid (Stargate) 2. gratings: grid XT, line, Lumia effect
"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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Rear View

#### 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	500W 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. 21kg (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!