

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 or OPSL frog	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	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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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

Technical specifications subject to change without prior notice!