

TECHNICAL SPECIFICATIONS

Full Color Laser Projector PHAENON 500 RGB



Laser

Class	4
Type	CW, analog modulated, 30kHz maximum
Beam diameter	< 4mm
Beam divergence (full angle)	< 1mrad
Maximum output power	500mW
White light D65	> 450mW maximum (@ output window)
Red laser source	Wavelength 658nm ± 4nm
Green laser source	Wavelength 532nm
Blue laser source	Wavelength 445nm

Projector

Scanner	CTI 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	3-ping IEC male socket with fuse and On/Off switch
Projector signal, analog	ILDA In, D-sub 25
Interlock	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	120W maximum

Thermal

Max. ambient temperature	45°C
Min. ambient temperature	10°C
Protective housing	IP 54
Cooling	Forced air, low noise regulated fans

Physical

Size (L x W x H)	340 x 245 x 210mm
Height with yoke	approx. 328mm
Width with yoke	approx. 305mm
Weight	approx. 12kg (without yoke, without options)
Material	Powder-coated steel, black
Construction	Dust proof housing

Conformity

CE, CDRH compliant / variance

Technical specifications subject to change without prior notice!