

TECHNICAL SPECIFICATIONS

Full Color Laser Projector PHAENON 1000 RGB



Laser			
Class		4	
Type		CW, analog modulated, 50kHz maximum	
Beam diameter		< 3 mm	
Beam divergence (full angle)		< 1mrad	
Typical output power @ Output window		900 mW	
White light D65		500 mW (@ output window)	
Laser source	Wavelength	Type	Power @ source
Red	640nm	Diode	450 mW
Green	532nm	DPSS	200 mW
Blue	445nm	Diode	500 mW

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	

TECHNICAL SPECIFICATIONS

Connections

AC power input	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!