

TECHNICAL SPECIFICATIONS

Full Color Laser Projector PHAENON AT RRYGBB 23W

Exclusively Based on Coherent® Genesis TAIPAN
Laser Sources



Front View

Laser

Class	4				
Type	CW, analog modulated				
Beam diameter (1/e ²)	1.4mm				
Beam divergence (1/e ²) Full angle	< 1.5mrad				
Laser Source	Wave Length	Power spec.	Power max.	Power D65 white	Remark
2 x Red	639nm	Each with 2W	4 – 5W	4W	
Yellow	577nm	3W	3 – 4W	2.7W	
Green	530nm	5W	5 – 7W	3.3W	Green surplus
2 x Blue	460nm	Each with 2W	4 – 7W	4W	
Total output power		16W	23W	14W	
Brightness	4300 lm				
Characteristic	Well balanced system with acceptable green surplus. Non-polarized				

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

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Rear View



Safety Features

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

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	950W 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)	640 x 400 x 200mm
Height with yoke	approx. 330mm
Width with yoke	approx. 480mm
Weight	approx. 35kg (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!