

## TECHNICAL SPECIFICATIONS

### Full Color Laser Projector PHAENON AT RRYGB 20W

Exclusively Based on Coherent® Genesis TAIPAN  
Laser Sources



Front View

Laser					
Class		4			
Type		CW, analog modulated			
Beam diameter (1/e <sup>2</sup> )		1.4mm			
Beam divergence (1/e <sup>2</sup> ) 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	1.3W	Blue is limiting factor
Green	530nm	5W	5 – 7W	2.5W	Acceptable green surplus
Blue	460nm	2W	2 – 3.5W	2W	
Total output power		14W	19.5W	<b>8.5W</b> Calculated as RGB system	
Brightness		<b>2100 lm</b>			
Characteristic		Poorly balanced system lacking blue. 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. 33kg (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!