

## 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 <sup>2</sup> )                 | 1.4mm  |                    |                   |                        |               |
| Beam divergence (1/e <sup>2</sup> )<br>Full angle | < 1.5mrad  |                    |                   |                        |               |
| <b>Laser Source</b>                               | <b>Wave Length</b>   | <b>Power spec.</b> | <b>Power max.</b> | <b>Power D65 white</b> | <b>Remark</b> |
| 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  | <b>4300 lm</b>   |                    |                   |                        |               |
| Characteristic                                    | Well balanced system with acceptable green surplus.<br>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:<br>1. With grid grating 1 (Grid WT), ultra fine line grating (Machado), special grid (Stargate)<br>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<br>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!