

## TECHNICAL SPECIFICATIONS

### Full Color Laser Projector PHAENON RGB 5500

Front View



#### Laser

|                              |                                      |                               |                      |
|------------------------------|--------------------------------------|-------------------------------|----------------------|
| Class                        | 4                                    |                               |                      |
| Type                         | CW, analog modulated, 100kHz maximum |                               |                      |
| Beam diameter                | 3mm                                  |                               |                      |
| Beam divergence (full angle) | < 1mrad                              |                               |                      |
| Total output power           | 5300mW                               |                               |                      |
| White light D65              | 2700mW maximum (@ output window)     |                               |                      |
| <b>Laser source</b>          | <b>Wavelength</b>                    | <b>Type</b>                   | <b>Optical power</b> |
| Red                          | 638 - 643nm                          | Laser diode                   | 1300mW               |
| Green                        | 532nm ± 2nm                          | Coherent® TAIPAN or OPSL frog | 3000mW               |
| Blue                         | 445nm ± 5nm                          | Laser diode                   | 1000mW               |

#### 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   |

#### 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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Rear View

#### 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    | 500W 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) | 400 x 400 x 200mm                            |
| Height with yoke | approx. 330mm                                |
| Width with yoke  | approx. 480mm                                |
| Weight           | approx. 21kg (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!