



**LIVE LASERSYSTEMS**

Arnethgasse 80, 1160 Vienna, Austria

## **KORE 3**

RGB Diode Laser Projector

RGB Diodenlaser Projektor





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## Specifications

## Spezifikationen

|   |                                 |                                       |
|---|---------------------------------|---------------------------------------|
| Description                                 | RGB diode laser projector       | Beschreibung                          |
| Laser Sources                               | diode lasers                    | Laserquellen                          |
| Diode Drivers                               | ColorDrive by LIVE Lasersystems | Diodentreiber                         |
| Modulation                                  | > 200kHz, analog                | Modulation                            |
| Output Power Total                          | 3800 mW (max.)                  | Gesamtausgangsleistung                |
| Output Power Red                            | 1400 mW (max.)                  | Laserleistung Rot                     |
| Output Power Green                          | 1000 mW (max.)                  | Laserleistung Grün                    |
| Output Power Blue                           | 1400 mW (max.)                  | Laserleistung Blau                    |
| Wavelength Red                              | 635 nm (+/- 5 nm)               | Wellenlänge Rot                       |
| Wavelength Green                            | 520 nm (+/- 5 nm)               | Wellenlänge Grün                      |
| Wavelength Blue                             | 450 nm (+/- 5 nm)               | Wellenlänge Blau                      |
| Divergence (half angle)                     | < 0.55 mrad                     | Divergenz (Halbwinkel)                |
| Divergence (full angle)                     | < 1.1 mrad                      | Divergenz (Vollwinkel)                |
| Beam Diameter (FWHM)                        | < 3 mm                          | Strahldurchmesser (FWHM)              |
| Beam Diameter (1/e <sup>2</sup> )           | < 5 mm                          | Strahldurchmesser (1/e <sup>2</sup> ) |
| Scanning System                             | > 42 kpps (8° ILDA) DT-50       | Ablenkeinheit                         |
| Control                                     | ILDA standard                   | Ansteuerung                           |
| Power Requirements                          | 90-250 V AC max. 800W           | Stromanforderungen                    |
| Operation Temperature Ambient               | -30°C - 50°C                    | Betriebstemperatur Umgebung           |
| Dimensions (WxHxL, without hanging bracket) | 250 mm x 198 mm x 320 mm        | Abmessungen (BxHxL, ohne Bügel)       |
| Weight                                      | 12kg (approx.)                  | Gewicht                               |



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## Safety

## Sicherheit

|                         |   |                             |
|-------------------------|---|-----------------------------|
| EN 60825-1              | compliant   | EN 60825-1                  |
| ÖNORM S 1105            | compliant   | ÖNORM S 1105                |
| FDA CDRH                | ready   | FDA CDRH                    |
| Scan-fail Safety        | yes, adjustable via USB   | Safetyschaltung             |
| Mechanical Beam Shutter | yes   | Mechanischer Strahlschalter |
| Housing Safety Switch   | yes   | Gehäuse Sicherheitsschalter |
| Interlock System        | yes (Advanced Interlock System)<br>parallel & daisy-chain enabled | Notaussystem                |
| Hanging Bracket         | yes, multiple fixed (+safety eye)                                 | Hängebügel                  |

## Features

## Ausstattung

|                            |  |  |
|----------------------------|--|--|
| Laser sources              | all optical beam corrected             | Laserquellen                                 |
| Air Sealed Optical Section | yes                                    | Hermetisch abgetrennter<br>optischer Bereich |
| Temperature Control        | full bridge TEC + heater               | Temperaturkontrolle                          |
| Temperature Monitoring     | overheating/undercooling<br>protection | Temperaturüberwachung                        |
| Pangolin Discoscan 2.0     | compatible                             | Pangolin Discoscan 2.0                       |
| Pangolin Safety Lens       | compatible                             | Pangolin Safety Lens                         |
| Connectors                 | original Neutrik                       | Anschlüsse                                   |
| Fan Operation              | temperature controlled                 | Lüfteransteuerung                            |
| Housing                    | aluminium, black anodized              | Gehäuse                                      |
| Hanging Bracket            | stainless steel                        | Hängebügel                                   |
| Intensity Settings         | R, G and B (on board)                  | Helligkeitsregelung                          |
| Output Size Settings       | X, Y (on board)                        | Einstellbare Ausgabegröße                    |
| Axes Inverting             | X, Y (on board)                        | Achseninvertierung                           |
| Power connection           | daisy-chain enabled (max. 4)           | Stromanschluss                               |



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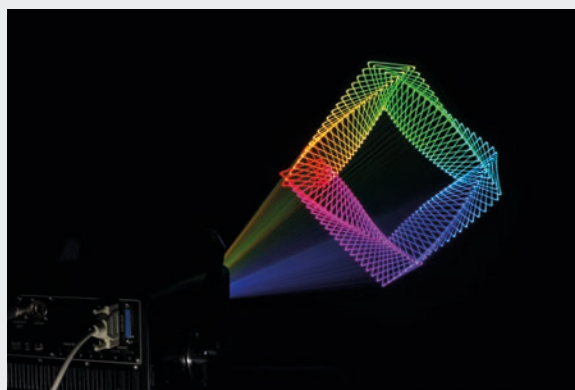
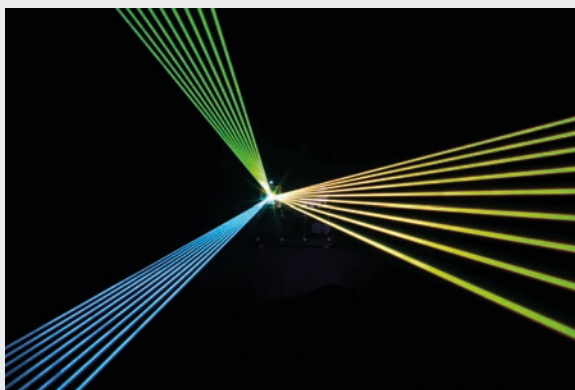
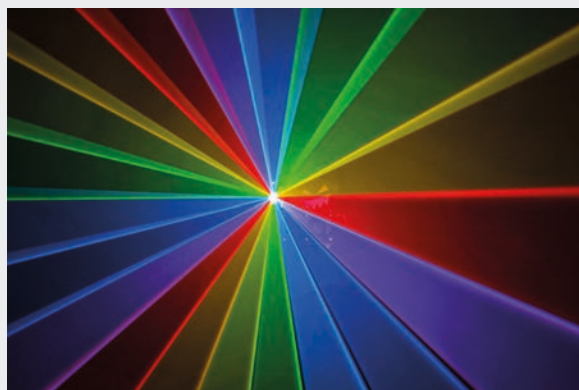
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Images

Bilder

KORE Series

KORE Serie





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## Technical Drawings Technische Zeichnungen

KORE 3, 5, 7, 10, 12, 3 HD, 7 HD, 12 HD

