# ColorLite ColorDaTra

## Database and quality assurance software

ColorLite
Innovative Farbmesstechnik
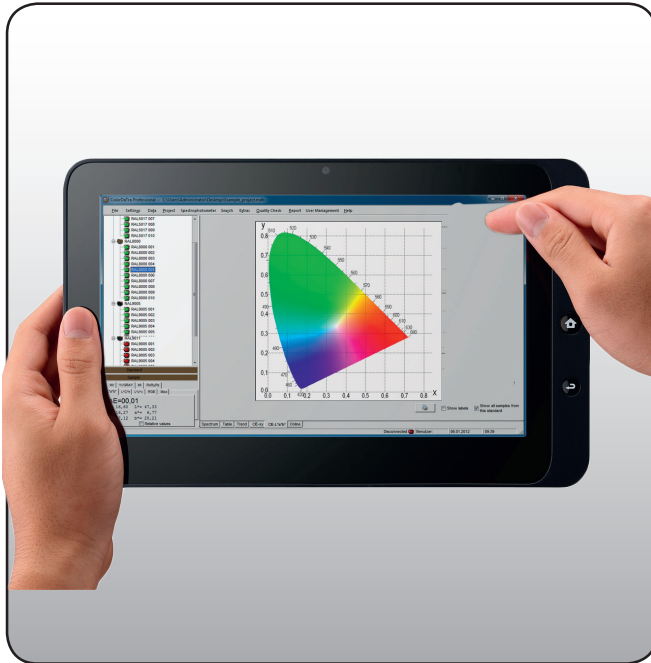
### Complete solution with quality assurance software

- many clear color space representations

- fast and reliable

- easy to use

- control of external hardware

ColorDaTra is the software of your choice, when it comes to a complete solution for your quality assurance. It is available in two versions:

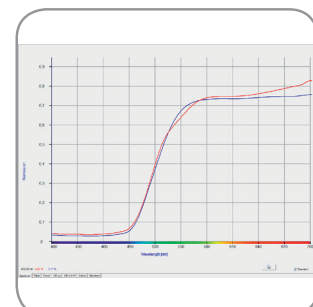- ColorDaTra **Basic**
- ColorDaTra **Professional**

This powerful and easy to use software supports you in all aspects of your quality assurance. ColorDaTra allows you to manage your complete color data to capture measurement data, process and analyze using different color space representations. All this relevant information can then be quickly and easily summarized with the help of professional reporting feature.
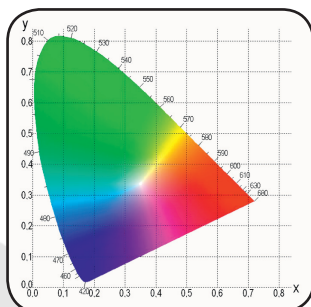
CIE-xy color space
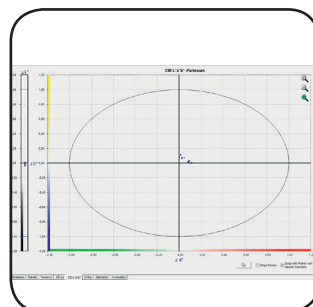
CIE L*a*b* diagram

spectrum chart

## Technical Data

| Functions | ColorDaTra Basic | ColorDaTra Professional |
|---|---|---|
| Trend view | X | X |
| L*a*b-Farbraum-Ansicht | X | X |
| Lab color space view | X | X |
| Remission view | X | X |
| Data transmission | X | X |
| Print version | X | X |
| Report generation | X | X |
| Quality control:<br>Set tolerance limits for the color differences:<br>ΔE; CIELab; ΔL, Δa, Δb; ΔL, Δu, Δv; ΔC, Δh; Min, Max und x,y region | X | X |
| Data storage | X | X |
| Archiving with subfolders | X | X |
| Company logo | X | X |
| Collation of results by date and name | X | X |
| Search function | | X |
| Color spaces:<br>XYZ, Yxy, ΔE CIE L*a*b*, ΔL, Δa, Δb; ΔE CIE L*u*v , ΔE CIE L*c*h, Hunter Lab | X | X |
| Color difference calculation<br>CIE ΔE 94, ΔE CMC 1:1 oder 1:2 | | X |
| Metamerism | | X |
| White metric | | X |
| Color strength calculation | | X |
| Yellow metric | | X |
| Embed sample photos | | X |
| File export to Excel® | X | X |
| Start of measurement from the PC, with multiple measurement | | X |
| Automatic transfer of measured values to the PC | | X |
| Upload standards | X | X |
| Free update | X | X |
| Program can be installed on as many computers.<br>No dongle needed | X | X |

# Software Overview

main menu
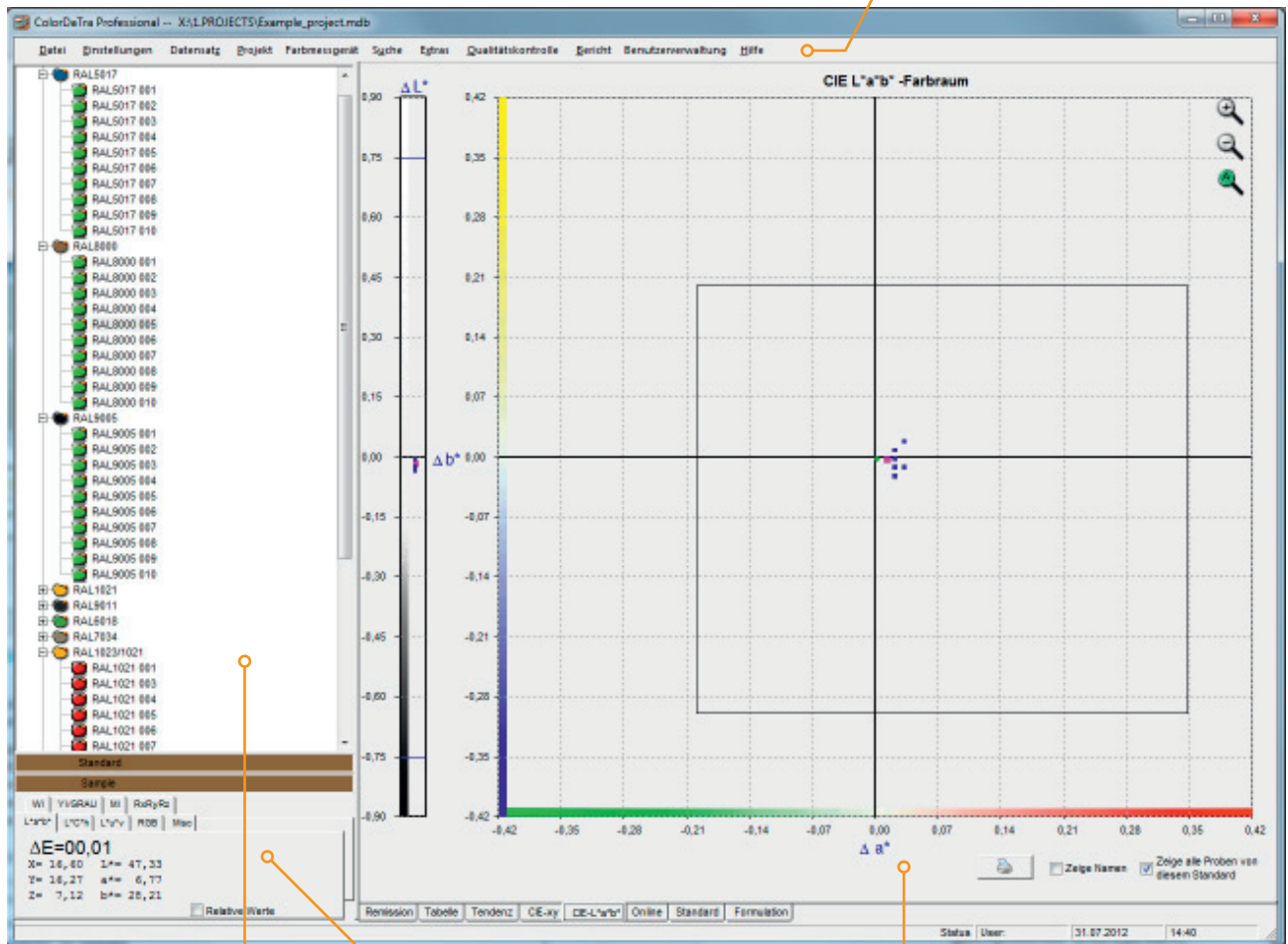


**Tree view of the standards and samples**

representation:

- standard information
- batch overview
- pass / fail
- date / time

**Various color values**

representation:

- CIE L*a*b*
- CIE L*C*h*
- standard deviation
- metamerism index
- color strength
- X,Y,Z / Rx, Ry, Rz

**Main window with different options**

representation:

- Spectral range 400 to 700 nm
- Overview of all color values
- Trend graph: chronological overview
- CIE x-y colour chart
- CIE L*a*b* diagramm
- online window to operate the spectrophotometer directly from the PC

## ColorDaTra offers the following functions:

- Visualization of production models as CIE L * a * b * absolute

- and relative values and CIE L * a * b * Trend Chart.

- 100% storage of your production color

- Archiving of reference colors as standard

- Controlling external hardware

- Export of color data in an Excel © format

- User management with variable access rights

- Customized modifications

The software ColorDaTra is the perfect complement to your ColorLite spectrophotometer

## Why ColorLite?

Our strength is the development and production of high quality products for color measurement and competent service. Visit personal contact and advise you before making a purchase decision, perform sample measurements and assign comprising in the equipment.
The menu is simple and clear, so that even inexperienced operators can carry out the measurement process fast and error free.

Our ultimate goal is that you are satisfied. The personal contact and your individual care are very important to us.

We offer the right solution for the measurement of your color - regardless of
Material or samples. We adapt our systems and the software to your individual needs and local circumstances. For each application, we have the right accessories.
We are constantly working to improve ColorDaTra, especially the Professional version is constantly updated. ColorDaTra updates are free, that is, They remain even years after the purchase of your device up to date.
A free demo version can be found on our website.