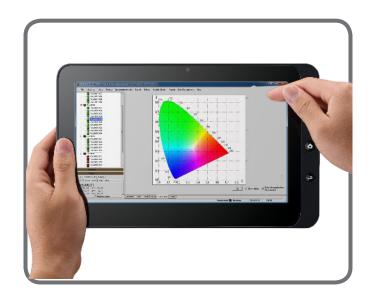


ColorLite ColorDaTra

ColorLite - The perfect solution to reliably control the colour quality of your products reliably.



The ColorDaTra software is a database in the field of quality assurance and is used together with the ColorLite handheld measuring instruments. It is available in two versions:

- ColorDaTra Basic
- ColorDaTra Professional



Quality assurance software ColorLite ColorDaTra



The ColorDaTra software is the perfect complement to your ColorLite spectrophotometer

The **basic**-version offers the following functions:

- Archiving of reference colours as standards
- Visualisation of sample and production colours CIE L*a*b* diagram, trend, spectrum.
- Creation of reports
- Exporting colour values to Excel[®] format.

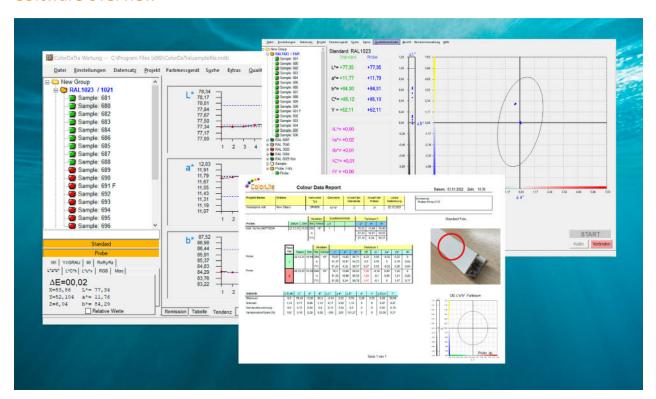
The **professional**-version extends the above features by:

- Online window for direct operation of the spectrophotometer from the computer via USB.
- Additional window with standard information and a photo option
- Search function with search criteria for colour values, date, name
- Advanced colour values like metamerism index, colour strength, transparency, opacity, white and yellow index
- Extended colour distance formula DE2000, DE CMC1:2 and DE CIE94

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Software overview



With the help of the software, measured values stored on the device can be transferred to and from a PC via USB 2.0, optionally RS232. The software works with all versions of MS-Windows© and is continuously improved. Updates are free of charge and the software can be installed on any number of PCs. A download of the test version is available on our homepage.

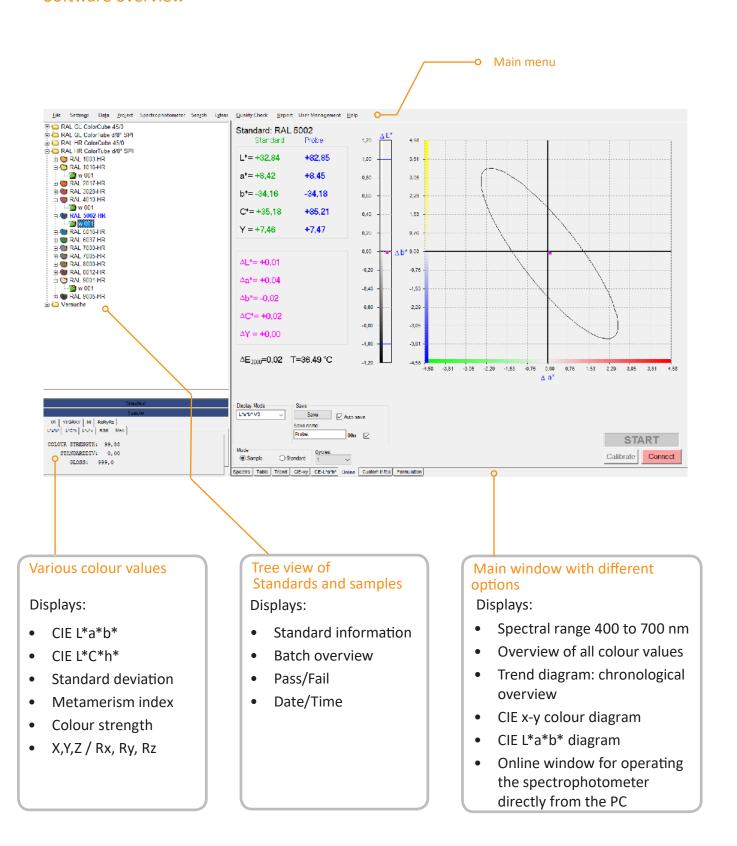
https://www.colorlite.de/download-center

- MS-Access© database format
- measured values are stored in "project files" on a central server and can be retrieved locally
- project files can be copied for reconciliation and sent to customers or suppliers
- and most important ... the software is easy to use!

Quality assurance software ColorLite ColorDaTra



Software overview

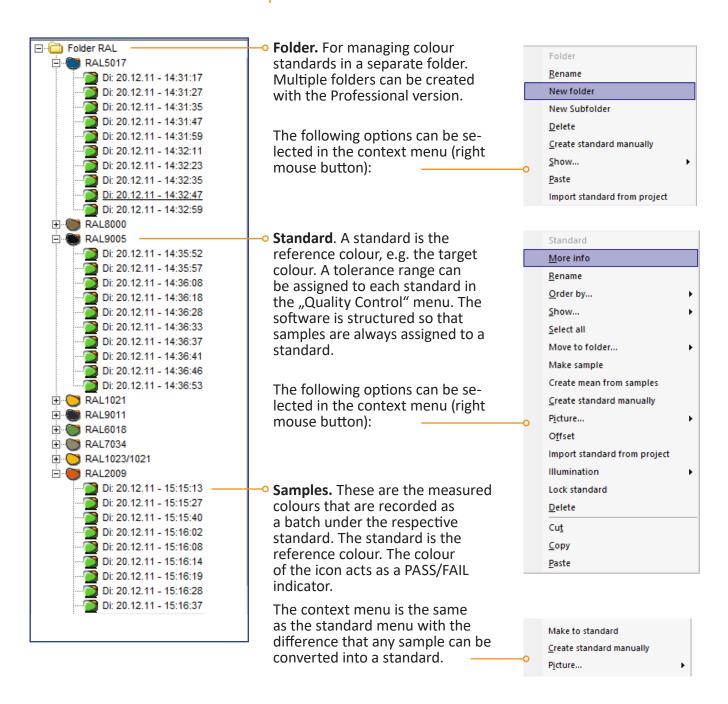


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The tree view shows all standards and the corresponding samples within a colour project. To display the measured values in the main menu, it is only necessary to simply click on the standard or sample. When using ColorDaTra Professional, the measured values are automatically assigned to the selected standard.

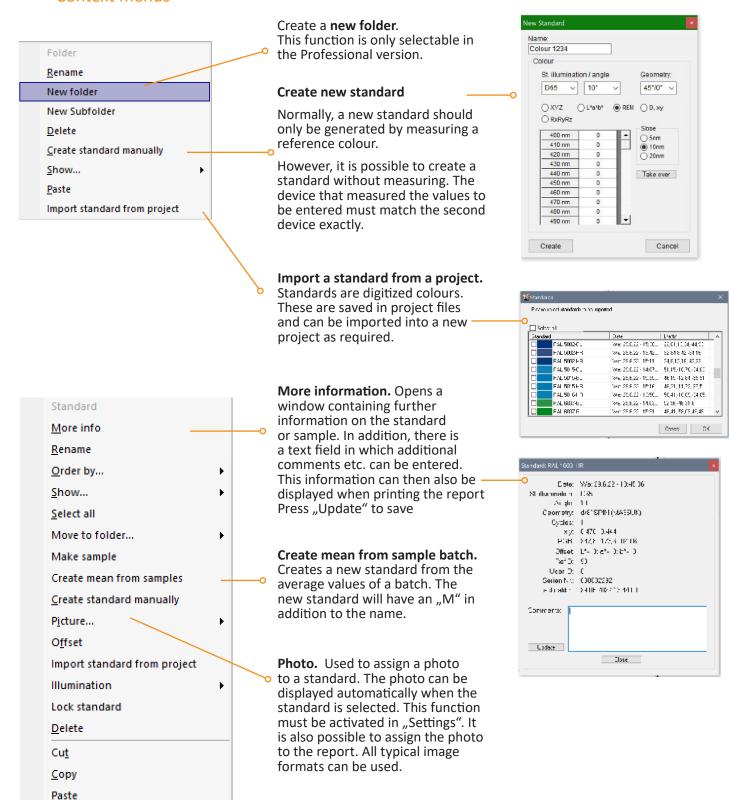
Tree view of standards and samples



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Tree view of standards and samples - Context menus

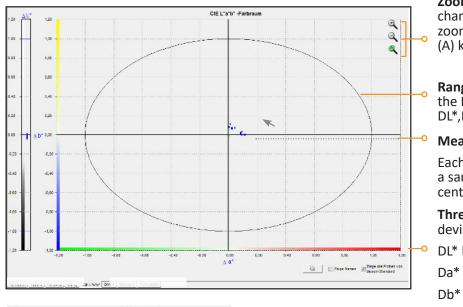


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The CIE L*a*b* diagram is often used in colorimetry to show an overview of the various deviations between a standard and one or all samples. By using the changeover key, another batch can also be compared with the first batch.

Main window - CIE L*a*b* diagram



Zoom. (+) and (-) keys are used to change the axis scaling. The auto-zoom function is activated with the (A) key.

Range of tolerance. Specifies the PASS/FAIL range as DE or DL*,Da*,Db*.

Measurement values samples.

Each point of the diagram represents a sample, with the standard as the central point.

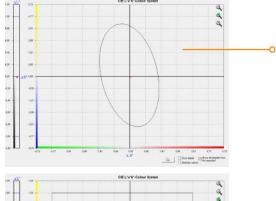
Three axes. Set the colour deviations in the ranges

DL* light(+) / dark(-),

Da* red(+) / green(-),

Db* yellow(+) / blue(-)

represent.



The diagram shows the limits set in the DE CMC area (only for ColorDaTra Professional).

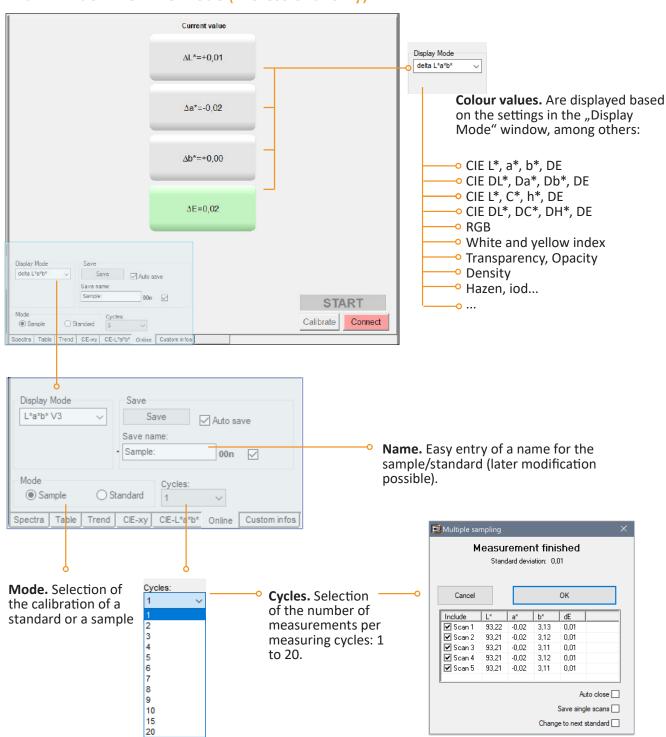


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The "Online" window allows the user to connect his handheld instrument directly to the PC and operate it like a laboratory instrument.

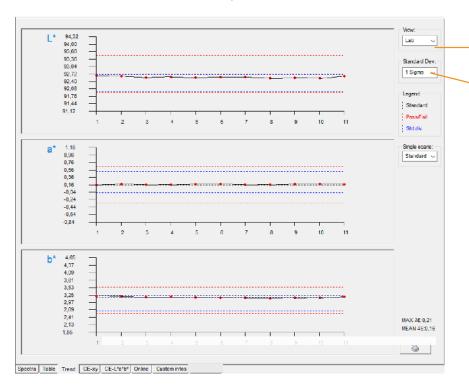
Main window - Online mode (Professional only)



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Main window - tendency

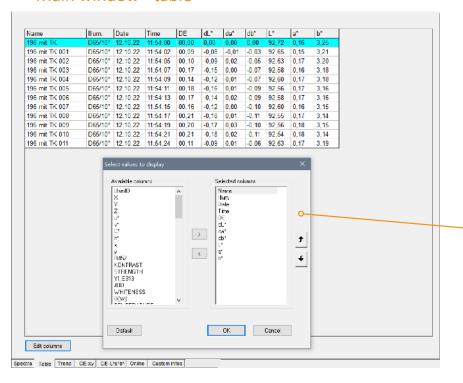


Standard deviation. Selects a limit range which will be displayed. This selection has no influence on defined tolerance ranges from the quality management.

The tendency diagram is used to display a chronological progression of the colour values of a batch. It shows how a colour changes over time.

The diagram on the left shows 11 measurements.

Main window - table



The table window shows all values of a batch.

By pressing the "Copy" key, the data can also be transferred to other programs.

Press the "Edit colums" button to open a selection window.

In this window you can select which colour values are displayed



Quality assurance software ColorLite ColorDaTra



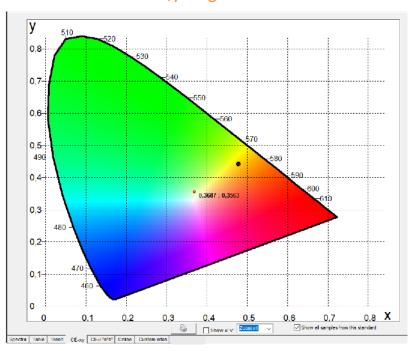
Main window - Spectral diagram



The spectral diagram shows the reflectance data of the standard and the sample in the spectral range from 400 to 700 nm.

Samples to be displayed are selected in the tree view.

Main window - CIE x,y diagram



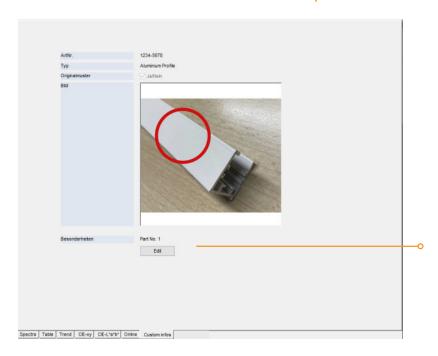
The CIE x,y diagram from 1931 was one of the first colour scales used to display measured values. The brightness axis is perpendicular to the surface.



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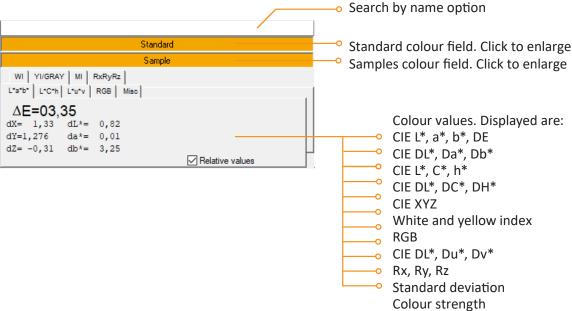
Main window - standard information (Professional only)



The standard information window can be used to store additional information about the standard. Also a photo can be inserted, on which e.g. the exact measuring position is shown.

Click the "Edit" button to add a new text box or change the information.

Colour information window





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Main menu - overview

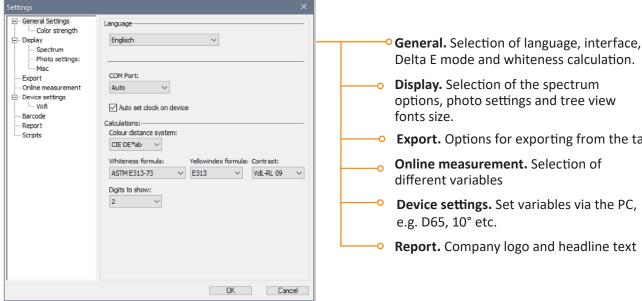
<u>F</u> ile Settin <u>g</u> s Da <u>t</u> a <u>P</u> roject Spectrop	ohotometer Sea <u>r</u> ch E <u>x</u> tras <u>Q</u> uality Check <u>R</u> eport User Management <u>H</u> elp
—— File	> Export and import functions
Settings	> Various settings possible, e.g. language etc.
——• Data	> Context menu depends on tree view selection
Project	> Project (File) management - Open, New, Copy etc.
Spectrophotometer	> Device instructions - download and standard management
Search	> Search for samples using various parameters
Extras	> Colour tool - converts Colour values
Quality Check	> QC - Definition of pass/fail boundaries
Report	> Report options
User Management	> Definition of user rights
Help	> Help window

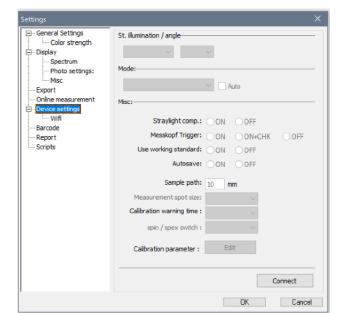


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Main window - Settings





- **Device settings.** Set variables via the PC,
- Report. Company logo and headline text



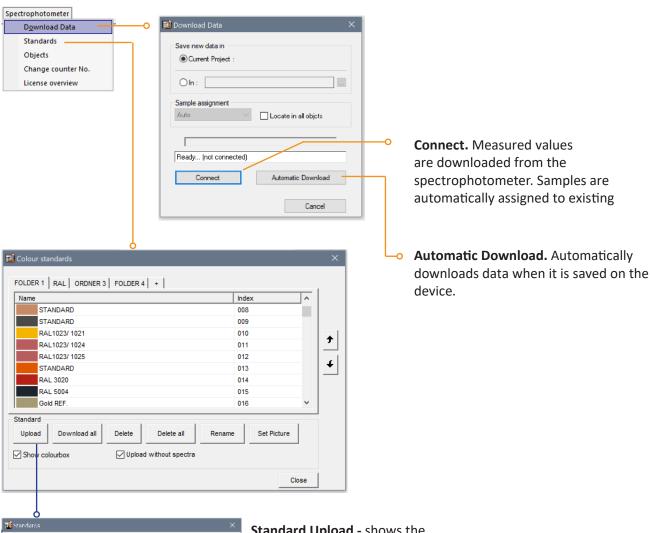
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The window shows the standard memory of the spectrophotometer. Standards can be stored in up to five folders. This function is used to load standards from ColorDaTra to the colorimeter.

Sample photos can also be uploaded to the instrument.





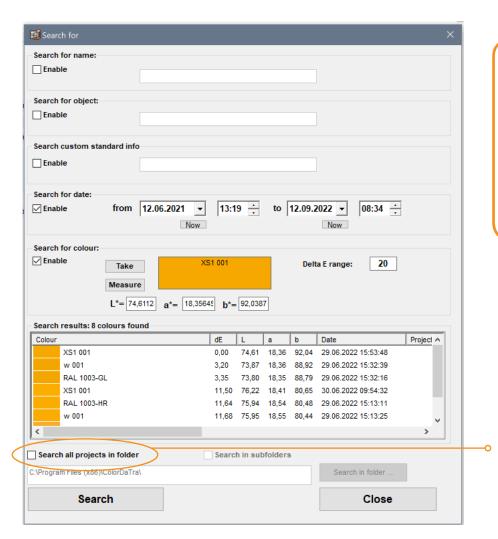
Standard Upload - shows the list of standards in the opened project.



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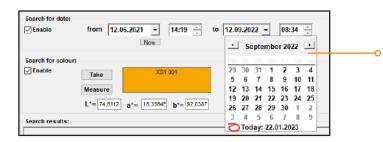


Main window - Search



This function helps to search for stored values in the ColorDaTra database. The colour of a sample can be easily imported and then searched for a matching sample in the opened database.

It is also possible to search in several projects. For this purpose, the location of the ColorDaTra projects on the PC must be selected.



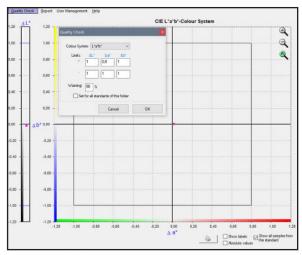
Search. By selecting several fields, it is possible to search, for example, for a specific colour that has been measured within a specific time period.



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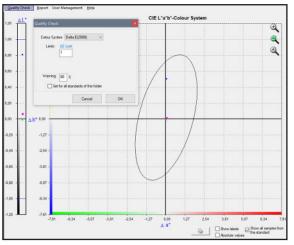


Hauptfenster - Qualitätskontrolle



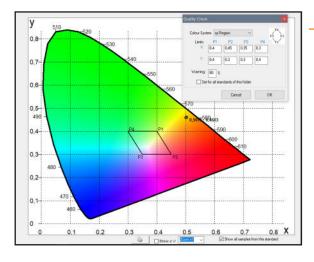
This function is used for defining limit values (Pass/Fail), which are assigned to the sample.

These values and the sample status are output in the report.



CIE L*a*b*. For determination of CIE L*, a* and b* limits. Sample pass/fail status is dependent on these settings. These limits remain when the standards are loaded onto the spectrophotometer.

CIE DE and DE2000. For determining the Delta-E limits of samples. DE2000 limits are only available in the Professional version.

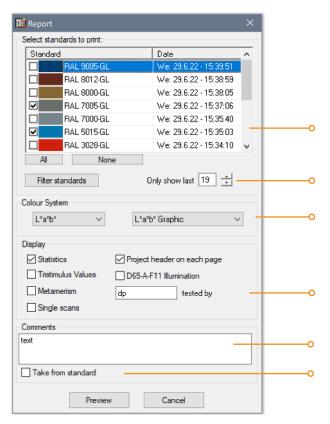


x,y region. Four points can be entered to specify a tolerance range in the x,y diagram.

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Report



This function allows the user to create individual reports with the colour values. An output as PDF as well as the input of a heading or a company logo are possible.

Selection of standards to be displayed in the report.

Selection of how many measurements are to be output in the report.

Selection of which colour scales are to be displayed.

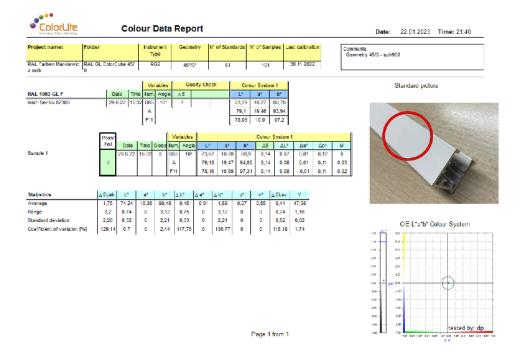
Tarb*
L*u*
L*u*
L*C*h
Yxy
Bxy
RGB
Kontrast/Transp./Density
Standard picture
L*u*b* Graphic
Y/GRAY/G_ISO105
WI
IOD/HAZEN/GARDNER
Spectra
AOCS

L*a*b* Graphic

Name of tester

Text input possible

Or the use of individual texts, which are assigned to the standards (see "Standard information window")





ColorLite ColorDaTra



We are constantly working to improve ColorDaTra, especially the Professional version is constantly updated.

A large number of the suggestions for improvement and ideas come from you, our customers. This makes it possible to offer you software that is individually tailored to your applications. And because ColorDaTra-updates are free of charge, everyone benefits from them - even years after the purchase of their device.

You can find a free demo version on our homepage.

Why choose ColorLite as your partner to ensure the quality of your product colours?

We offer you:

- Unique products with perfect handling
- Largest selection of accessories for all colour measurement tasks
- Innovative solutions such as integrated QR scanners for input of product data
- Customized solutions for difficult applications
- Online measurement technology integrated into your production lines with adaptation to individual requirements
- Development of company specific software
- Best possible service through individual free consultation, trial measurements, training
- 20 years Family owned buissness offering Quality "Made in Germany"

We are happy to support you in finding the best solution for your company ... guaranteed.