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DIAL GmbH
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DIALux evo 7.1: Simplified calculation without furniture saves time

How can we make the lighting designer's daily work simpler? This is a question which the development team at DIAL asks every day? Feedback from users is especially valuable so that it is precisely those functions which the user needs for his daily work which are then developed.

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The lighting design department of a luminaire manufacturer requested DIAL's help in dealing with a frequent design situation. Often rooms in DIALux are designed with furniture to provide the customer with the best possible visual impression of the area planned. However, in the past the calculation time with furniture was very time-intensive - this has changed with the update to DIALux evo 7.1.

The luminaire manufacturer was responsible for designing the lighting in a hairdressing salon and designed the room with 3D models of the furniture and fittings. It became clear that the calculation took a very long time as soon as so-called »Styling Chairs« were used in the project. These items of furniture were very complex and had very many surface areas.

The DIALux development team has analysed and solved the problem. After the update of DIALux evo (7.1) it is now possible to calculate projects without furniture and objects. On the one hand, this saves an enormous amount of time, and on the other hand, furniture to some extent tends to have a negative influence on the uniformity of the user plane. This is why, for normative evaluation, it is beneficial to be able to simply hide/blank out the furniture. DIALux filters out the objects in the calculation, but they are still in the scene and are shaded dark on the screen.

As well as hiding furniture and objects it is now easy to calculate these, too. The furniture is not completely illuminated but realistic shadows are cast. With this function the user can also save a lot of calculation time. In the example described above the calculation time is reduced from several minutes to several seconds.

Images

File name: Header_DIALux evo 7_1_Simplified calculation without furniture saves time.tif

File name: DIALux evo 7.1 Simplified calculation without furniture saves time_1.tif

Caption: Comparison of calculation option »Without furniture and objects« with full calculation.

File name: DIALux evo 7.1 Simplified calculation without furniture saves time_2.tif

Caption: Comparison of calculation option »Simplified calculation of furniture and objects« with full calculation

About DIALux

DIALux is the world's leading software for the planning, calculation and visualisation of light. DIALux is used by a community of over 680 000 users and is available free of charge in 25 languages. All renowned luminaire manufacturers offer digital product data for planning in DIALux. More information at www.dial.de/en/dialux

Background information about DIAL GmbH

DIAL was founded in 1989 with its main involvement in light and intelligent buildings. DIAL develops software, provides services and transmits knowledge independent of manufacturer bias. DIAL's headquarters are in Lüdenscheid, with branches in the USA and Taiwan.

DIAL

At present DIAL employs approximately 90 staff. Further information at www.dial.de/en

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