

WALDMANN LUMINAIRES COMPLY WITH THE EN1837 STANDARD.

The EN 1837 standard defines all parameters for lights that are integrated in machines. Machine manufacturers are obligated to comply with this standard – and document their compliance. This is not a problem with a TWIN-C lighting solution from Waldmann.

Binding for all manufacturers: the EN 1837 standard.

Compliance with the EN 1837, which defines the requirements of machine-integrated luminaires, is binding for all machine manufacturers. The brightness level required must be considered as a function of the visual task. It must be sufficiently high and even to enable reliable and easy perception of the task. According to the standard, the average brightness level should be at least 500 lx. To avoid complaints or retrofitting, simply contact Waldmann.

An overview of the EN 1837 standard:

Brightness level:

The brightness level must be sufficiently high and even. Minimum: 500 lx

Avoiding glare:

According to the standard, any glare of people must be avoided. Be it in the form of direct or indirect glare of operators – or of people in adjacent zones.

No shadowing:

According to the standard, no interfering shadows may develop in the work area. Waldmann adjusts the lighting system to avoid shadowing.

No stroboscopic effects:

Stroboscopic effects must be completely avoided. These are caused by conventional ballasts. The consequences are extremely severe injuries. Waldmann eliminates these effects!

Satisfying a standard is one thing. Creating ideal lighting conditions for customers and operators is another. Speak with a Waldmann representative to ensure that your lighting solution is customized for your specific applications.

TWIN-C meets all requirements – including documentation.

To meet all criteria for lighting technology and ergonomics, a lighting concept and documentation must be prepared since every manufacturer is required to guarantee, verify and document that the lighting equipment on machines complies with the necessary standard. Today, the majority of customer orders relate to standards that are in force, with compliance being subject to increasing verification. The Waldmann lighting consultants support all machine manufacturers through personal consultations, by performing light measurements on-site and by creating all measurement reports required for documentation purposes.