DALI-2 certification supports interoperability and sustainable lighting

Piscataway, NJ, USA – May 17, 2022: The DALI Alliance, the global industry organization for DALI lighting control, is strengthening its focus on the DALI-2 product certification program, including D4i, after ending registration of DALI version-1 control gear.

DALI-2 certification builds confidence in the interoperability of DALI-based devices from different manufacturers. As a standardized platform, DALI-2 mitigates concerns around proprietary technologies and vendor lock-in, and enables future-proof luminaire and system designs for sustainable lighting.

Driven by the DALI Alliance and building on the requirements of the international IEC 62386 standard, DALI-2 certification requires rigorous product testing. The test results are independently verified by the DALI Alliance. In contrast, DALI version-1 testing was less detailed and relied on self-declaration, without requiring third-party verification of test results.

DALI-2 certification is now available for all control gear types in common use, including those for colour control and self-contained emergency lighting. DALI-2 also includes a broad range of additional features such as storage and reporting of luminaire, energy and diagnostics data.

"DALI-2 certification has matured sufficiently that we no longer see the need to offer a registration scheme for DALI version-1 control gear," said Paul Drosihn, DALI Alliance General Manager. "We encourage all users to look for the DALI-2 or D4i logos, which confirm that the product is certified by the DALI Alliance and is fully compliant with the relevant specifications."

DALI version-1 registration was only available for control gear, while DALI-2 certification also includes bus power supplies, and control devices such as application controllers, sensors and other input devices. DALI-2 certification has established an ecosystem of interoperable products, which are all listed in the online Product Database. This contains over 2,300 DALI-2 products, including more than 1,800 DALI-2 control gear, along with over 1,600 DALI version-1 control gear. The DALI version-1 products will remain in the database, and trademark use will continue to be allowed.

As well as operating the highly successful DALI-2 and D4i certification programs, the DALI Alliance is developing DALI+ certification for DALI devices operating over wireless and IP-based networks, and is collaborating with the Zhaga Consortium to offer Zhaga-D4i certification for luminaires and control devices.

Our DALI Blog article "Lighting controls benefit from standards and certification" provides further background reading – see www.dali-alliance.org/articles.

About the DALI Alliance

The DALI Alliance (also known as the Digital Illumination Interface Alliance or DiiA) is an open, global consortium of lighting companies that drives the growth of lighting-control solutions based on internationally standardized Digital Addressable Lighting Interface (DALI) technology. The organization operates the DALI-2 and D4i certification programs to boost levels of cross-vendor interoperability. As lighting continues to evolve and converge with the IoT, the DALI Alliance is also driving the standardization of wireless and IP-based connectivity solutions. For more information, visit www.dali-alliance.org.

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