First Zhaga-D4i controller earns certification

June 21, 2021, Piscataway, NJ, USA – The ecosystem of Zhaga-D4i certified products for road lighting now includes DALI-based control devices with Zhaga connectors, as well as luminaires.

The world's first Zhaga-D4i RF Node, which allows control and monitoring of public lighting, has been certified by the Zhaga Consortium and the DALI Alliance. This Tridonic controller enables Zhaga-D4i certified luminaires to connect with IoT/Smart City platforms for intelligent use cases and energy savings.

The joint Zhaga-D4i certification program from the DALI Alliance and the Zhaga Consortium has already qualified 100 product families of Zhaga Book 18 outdoor luminaires with Zhaga receptacles and D4i components.

Product: Tridonic

"Up to now, it has been very difficult to match the long lifetime of outdoor lighting infrastructure with the dynamic developments in digital communication and sensor technology. This has led to an underutilization of the lighting infrastructure for smart applications. Now, luminaires can be upgraded in the field and thereby keep pace with rapid developments in digital networking technology," says Dee Denteneer, Secretary General of the Zhaga Consortium.

The ecosystem of Zhaga-D4i certified products for road lighting consists of Zhaga-D4i luminaires with a powered Zhaga receptacle, which can accommodate a D4i-certified sensor or communication node with a corresponding Zhaga baseplate. Zhaga-D4i luminaires use LED drivers meeting the D4i requirements, including the availability of DALI luminaire, energy and diagnostics data.

D4i enables DALI in intelligent, IoT-ready luminaires. By taking care of control, power and mechanical requirements, D4i and Zhaga Book 18 make it much easier to mount sensors and communication devices on luminaires.

About Zhaga

Zhaga is a global association of lighting companies that is standardizing interfaces of components of LED luminaires, including LED light engines, LED modules, LED arrays, holders, electronic control gear (LED drivers) and connectivity fit systems. This helps to streamline the LED lighting supply chain, and

to simplify LED luminaire design and manufacturing. Zhaga continues to develop specifications based on the inter-related themes of interoperable components, smart and connected lighting, and serviceable luminaires. For more information, visit www.zhagastandard.org.

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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