



L-Prize awards points for use of Zhaga Book 20 and D4i

July 6, 2021, Piscataway, NJ, USA – The L-Prize, announced by the US Department of Energy (DOE), rewards data-rich, upgradeable luminaires based on Zhaga Book 20 and D4i. Zhaga and the DALI Alliance will explain details in a joint webinar on August 19.

Luminaires designed in compliance with D4i or Zhaga Book 20 will be rewarded with extra points during evaluation for the L-Prize, a lighting competition announced by the US Department of Energy (DOE) which has a prize fund of up to \$12.2 million.

Zhaga Book 20 defines a smart interface between an indoor LED luminaire and a sensing/communication module and combines complementary specifications from the Zhaga Consortium with D4i specifications from the DALI Alliance.

The [L-Prize](#) encourages the design of commercial lighting systems with breakthrough energy efficiency, quality, functionality, and sustainability. Its scope includes the luminaires, sensors, control devices and interfaces that comprise a connected lighting system.

Luminaires submitted for the Concept Phase, which has a submission date of November 19, 2021, will be evaluated according to a number of topics including quality of light, connectivity, product life cycle and more. One topic is the capability of the luminaire to have standardized power and data connections that enable advanced lighting sensors and other devices to be installed or upgraded, either at the time of installation or in the future.

One point will be awarded for luminaires/systems that include standardized power, data, and sensor capabilities in compliance with D4i or ANSI C137.4, while a further point will be awarded for luminaires that incorporate a standardized sensor port and power/data connections in compliance with Zhaga Book 20.

“Zhaga specifications offer solutions for smart city and building lighting that help manufacturers, specifiers and operators of lighting installations to embrace the next level of connected and sustainable lighting”, says Dee Denteneer, Secretary General of the Zhaga Consortium.



“DALI-based luminaires align very well with the L-Prize requirements,” said Paul Drosihn, DALI Alliance General Manager. “In addition to D4i, DALI enables white-tunable capability, standardized dimming, energy reporting, occupancy sensing and many other features specifically referenced in the L-Prize rules.”

Details of how Zhaga Book 20 and D4i can contribute to a successful L-Prize submission will be explained in a webinar presented by the Zhaga Consortium and the DALI Alliance on August 19, 2021. Registration and further details are available [here](#).

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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