

## Zhaga Book 18: Future-Proofing Smart City Luminaires

*"When it comes to smart city sensing tasks, nothing beats the streetlight."*

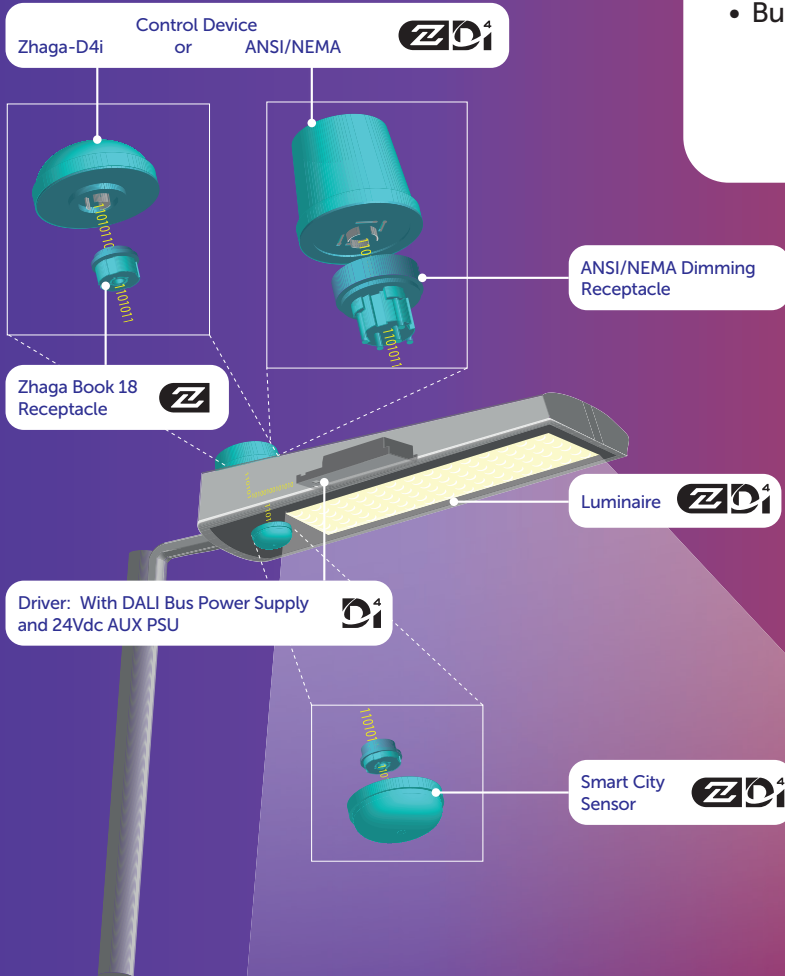
Zhaga Book 18, entitled '**Smart Interface Between Outdoor Luminaires and Sensing/Communication Modules**', standardizes the mechanical interface, intra-luminaire communication protocol and power budget for a control device.

In 2021, the Zhaga Consortium published Book 18 Edition 3. This edition allows for architectures that combine an ANSI C136.41 dimming receptacle with a Zhaga receptacle next to the architectures previously specified in the prior edition.

### Book 18 with Zhaga-D4i certification



- **Addresses** standardised interface, power budget, wiring architecture and DALI communication protocol
- Includes **DALI D4i memory banks** that allow for efficient asset management
- Provides an **interoperable platform** for streetlighting control devices, sensors and other smart city nodes
- Enables **serviceability and upgradeability**
- Represents the most cost-effective way to **deploy city wide sensors and control devices**
- Provides **DALI D4i energy reporting and diagnostic** functionalities
- Means that **certification** has been carried out by independent authority
- Builds the **backbone** of a smart city infrastructure



## Book 18 Ed. 4 answers needs in the heritage and decorative market

**Launch  
April 2024**

Book 18 currently allows for one or two interfaces per luminaire, the interfaces are mounted to the luminaire only.

This works great for **cobra head** form factors



Book 18 Ed. 4 answers needs in the **heritage and decorative market**

- allows for a **pole mounted** bracket assembly.
- addresses **issues** around installation and the associated long cables needed to connect the bracket assembly and luminaire

