



## LUMAWISE ENDURANCE S 33MM DIAMETER Z10 / ZHAGA RECEPTACLE ASSEMBLY

TE Connectivity (TE)'s LUMAWISE Endurance S 33mm Diameter Z10 / Zhaga Receptacle Assembly enhances the ecosystem of products designed for sensor and control system applications. While the original Endurance S Zhaga Book 18 street lighting connectors facilitate DALI-controlled, Book 18 compliant luminaires for street and area lighting, the latest 33 mm diameter receptacle assembly offers compatibility with both 0 V - 10 V analog and Zhaga retrofit solutions. This design is particularly suited for integrating with existing luminaires that utilize legacy 33mm diameter openings for sensors. Hence, the Endurance S ecosystem has been expanded to enable additional use cases. Endurance S sensor ready components offer latest original Endurance S benefits with expanded electrical ratings plus alternate key combinations for error resistant assembly of analog and DALI sensors.

The Endurance S ecosystem of products includes a receptacle connector assembly as well as several base and dome combinations to house sense and control modules that together form a robust enclosure for sensor modules and network lighting controls. The IP66 rated receptacle assembly, base and dome combination provide a sealed electrical interface and robust packaging solution. The compact design is UV resistant, aesthetically appealing and can be mounted facing upward, downward or sideways. Having keyed mating combination brings flexibility and differentiation to the designer.

### BENEFIT

- Fast and simple termination
- Rated for outdoor harsh environments
- Ease of assembly and removal of sensors
- Drop in replacement for legacy sensor receptacle
- Accepts logic output or programmable motion sensors

### KEY FEATURES

- Poke-In wire Termination
- IP66 rating
- Twist lock receptacle
- Mounts within a 33mm diameter knockout
- Designed to accept 0 V - 10 V and DALI sensors

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### ADVANTAGES

- No need for wire crimp termination tooling
- Product mounted facing upward, downward and / or sideways
- Low cost field assembly of sensors
- Simplifies installed base retrofits and current luminaire designs
- Receptacle design to work with Analog and Zhaga protocols

### ELECTRICAL

- Contact Rating: 5 A, 250 V
- Meets 10 kV dielectric with standing voltage to mounting surface 4 pole contacts

### MECHANICAL

- Mounting: 32mm X 1.5 thread
- Height above luminaire: 14.2mm
- IP65 & IP66
- Receptacle:  $\varnothing$  48mm diameter
- Thread length: 13.2mm
- IK09 rated system solution

### PART NUMBERS

Part Number	Part Description
<a href="#">2452802-1</a>	Receptacle Assembly Zhaga (DALI)
<a href="#">2452802-2</a>	Receptacle Assembly, Key A Z10 (0 V - 10 V)

### MATERIALS

- PBT (Polybutylene Terephthalate) receptacles
- LSR (Liquid Silicon Rubber) gasket
- UL UV-0 rated for outdoor use

### STANDARDS

- IP66
- Rated UL 773
- CB Certified

### SPECIFICATIONS

- Product: [108-133073](#)
- Application: [114-160903](#)

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### [te.com/lumawise-endurance-s-connector-system](https://te.com/lumawise-endurance-s-connector-system)

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