

INTRODUCING

LUMAWISE ENDURANCE S MODULES

- Allow for greater flexibility in luminaire design with a compact sized module
- Achieve IPx5 or IPx6 with no mounting screws including improved sealing



TE Connectivity (TE) introduces the LUMAWISE Endurance S module, designed specifically for LED light sources and drivers in outdoor luminaires. LUMAWISE Endurance S modules are comprised of IPX6 rated receptacle assembly, sealing cap and two bases sized in 40mm and 80mm diameters that provide a complete electrical interface between the receptacle and associated sensor modules. When used in conjunction with sensor ready certified drivers, the receptacle assembly accepts a twist-to-lock, pluggable sensor module and provides DC power to the module and a DALI 2.0 or derivative two-wire bus for communication and data transfer. The fourth connection is allocated as a digital I/O port. The compact design, with improved sealing capability, facilitates mounting the sensor module upwards, sideways or downward on roadway, street and area lighting luminaires.

BENEFITS

- Meet industry standards with a product that is included in Zhaga Book 18
- Allow for greater flexibility in luminaire design with a compact sized module
- Achieve IPx5 or IPx6 with no mounting screws including improved sealing
- Allow for use of Ø40mm photocell and a Ø80mm CMS with the same connection interface due to a scalable solution
- Enable multiple mounting positions including upwards, downwards and sideways facing with versatile mounting options
- Minimize assembly time with integrated single gasket that seals to both luminaire and module

APPLICATIONS

- Street and area lighting
- Outdoor luminaires like wall packs, parking lots and walkways
- Photo controls
- Central management system
- Other sensor modules e.g. occupancy sensor modules

STANDARDS & SPECIFICATIONS

- IEC60598 and UL1598
- New specification in progress through Zhaga Consortia

ELECTRICAL

- Contacts rating: 1.5A, 30V (24V typical)
- Meets 10kV common mode surge test
- Hot pluggable capable
- 4 pole contacts
 - Pin 1: 24VDC
 - Pin 2: DALI (or DALI based protocol) -/ common ground
 - Pin 3: DALI (or DALI based protocol) +
 - Pin 4: General I/O

MECHANICAL

- Mounting: M20X1.5 thread
- Height above luminaire: 10mm
- IPx5 and IPx6
- Receptacle Ø30mm, Gasket Ø36.5mm
- Thread length: 18.5mm
- IK09 capable

MATERIALS

- PBT/PC receptacle
- LSR gasket

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