

LUMAWISE ENDURANCE S CONNECTOR SYSTEM

TE connectivity (TE) LUMAWISE Endurance S Connector System is a complete set of products specially designed for streetlighting control, compliant with Zhaga Book 18. This consists of a receptacle connector placed on a streetlight and several base and dome combinations to house, sense and control modules from the surrounding harsh environments. The IP66 rated receptacle assembly, base and dome combinations provide a sealed electrical interface between new slim design LED streetlights and the associated sensor modules.

The LUMAWISE Endurance S base and dome form the module that is IK09 impact resistance rated which provides a robust packaging solution. This compact design is UV resistant, appealing to the eye and can be mounted facing upward, downwards or sideways bringing flexibility to the street light designer.

Applications

- Street and Area Lighting
- Sensor Ready Control Applications
- Outdoor Luminaires
 - Wall Packs
 - Parking Lots
 - Walkways
- Photo Controls
- Central Management System
- City Management System
- Other sensor modules e.g. occupancy

Electrical

- Contacts rating: 1.5A, 30V (24V typical)
- Meets 10kV dielectric withstand voltage to mounting surface
- 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
- IP65 & IP66
- Receptacle: Ø30mm
- Gasket: Ø36.5mm
- Thread length: 18.5mm
- IK09 rated system solution



Benefits

- Follows industry standard Zhaga Book 18
- Extend product life in harsh environments with an IP65 and IP66 rated product
- IK09 high impact resistant
- Flexibility in design with upwards, downwards and sideways facing mounting versatility
- Reduce assembly times with less initial investment
- Enables pressure optimization with an optional vent feature



Materials






- PBT receptacle
- LSR gasket
- Polycarbonate domes

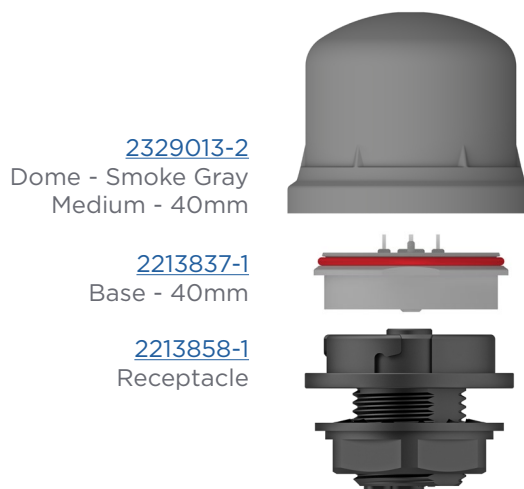
Specifications

- Rated IEC61984 and UL773
- New specification in progress through Zhaga Consortia

Product Selection Information

		Part Number	Description	Color	Height
RECEPTACLE - SEALING CAP		2213858-1	Receptacle (includes sealing ring, washer and nut)	-	-
		2213795-1 2213795-2	Sealing Cap	Dark Gray Light Gray	-

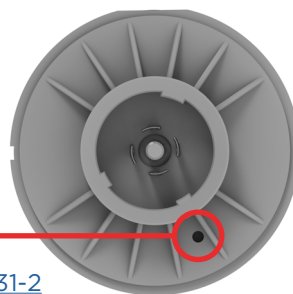
		Part Number	Description	Color	Height
40MM BASE - DOMES		2213837-1	Base	-	-
		2329013-1	Dome	Smoke Gray	Low (24.25 mm)
		1-2329013-1	Dome	Clear	Low (24.25 mm)
		2329013-2	Dome	Smoke Gray	Tall (39.25 mm)
		1-2329013-2	Dome	Clear	Tall (39.25 mm)



Product Selection Information

	Part Number	Description	Color	Height
80MM BASES - DOMES	 2213831-3	Base	-	-
	 2213831-2	Base w/Vent	-	-
	 2328823-1	Dome	Smoke Gray	Low (33.43 mm)
	 1-2328823-1	Dome	Clear	Low (33.43 mm)
	 2328823-2	Dome	Smoke Gray	Medium (43.43 mm)
	 1-2328823-2	Dome	Clear	Medium (43.43 mm)
	 2328823-3	Dome	Smoke Gray	Tall (58.43 mm)
	 1-2328823-3	Dome	Clear	Tall (58.43 mm)

An optional vent in the 80mm base assembly enables pressure optimization inside the seal control module. The vent also helps to minimize condensation through vapor diffusion.

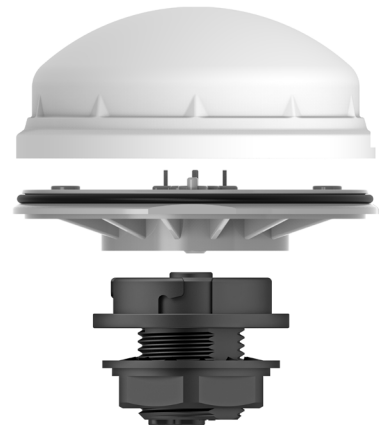


[2213831-2](#)
Base w/Vent

[1-2328823-1](#)
Dome - Clear
Low - 80mm

[2213831-3](#)
Base - 80mm

[2213858-1](#)
Receptacle



TE Connectivity is a participating member of the Zhaga Consortium, an industry-wide cooperation enabling the interchangeability of LED light sources and simplifying LED applications for general lighting.

te.com

© 2018 TE Connectivity. All Rights Reserved. LUMAWISE, TE, TE Connectivity, and the TE connectivity (logo) are trademarks of the TE Connectivity. Other logos, product and company names mentioned herein may be trademarks of their respective owners.

While TE has made every reasonable effort to ensure the accuracy of the information in this brochure, TE does not guarantee that it is error-free, nor does TE make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. TE reserves the right to make any adjustments to the information contained herein at any time without notice. TE expressly disclaims all implied warranties regarding the information contained herein, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose. The dimensions in this catalog are for reference purposes only and are subject to change without notice. Specifications are subject to change without notice. Consult TE for the latest dimensions and design specifications.

1-1773915-3 JN 10/2018

USA: +1 (800) 522-6752
 Canada: +1 (905) 475-6222
 Mexico: +52 (0) 55-1106-0800
 Latin/S. America: +54 (0) 11-4733-2200
 Germany: +49 (0) 6251-133-1999
 UK: +44 (0) 800-267666
 France: +33 (0) 1-3420-8686
 The Netherlands: +31 (0) 73-6246-999
 China: +86 (0) 400-820-6015