LUMAWISE ENDURANCE S CONNECTOR SYSTEM

TE Connectivity (TE) LUMAWISE Endurance S Connector System is an ecosystem of products designed for sensor and other control system applications. The original Endurance S Zhaga Book 18 street light connectors enable DALI controlled Book 18 compliant luminaires for street and area lighting. The Endurance S ecosystem has been expanded to enable additional use cases. Endurance S Sensor Ready components offer all the original Endurance S benefits with expanded electrical ratings plus alternate key combinations for protected mating.

The Endurance S ecosystem of products includes a receptacle connector as well as several base and dome combinations to house sense and control modules from the surrounding harsh environment. The IP66 rated receptacle assembly, base and dome combinations provide a sealed electrical interface and robust packaging solution. The compact design is UV resistant, appealing to the eye and can be mounted facing upward, downwards or sideways. Having keyed mating combinations brings flexibility and differentiation to the designer.

Applications

- Street and Area Lighting
- Roadway Lighting
- Commercial/Municipal Outdoor Lighting
- Outdoor Luminaires
 - Wall Packs
- Parking Lots
- Walkways
- City Management System
- Sensor modules i.e. motion

Electrical

• Contact rating: 5A, 250V

• Meets 10kV dielectric withstand voltage to mounting surface

• 4 pole contacts

Mechanical

• Mounting: M20X1.5 thread

• Height above luminaire: 10mm

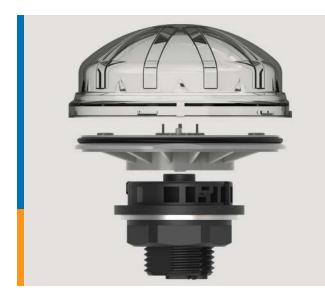
• IP65 & IP66

Receptacle: Ø30mm
 Gasket: Ø36.5mm
 Thread length: 18.5mm

• IKO9 rated system solution

Materials

- PBT receptacle
- LSR gasket
- Polycarbonate domes
- UL UV-f1 rated for outdoor use



Benefits

- Zhaga Book 18 compliant
- Product differentiation with multiple Key combinations
- Extend product life in harsh environments with an IP66 rated product
- IK09 high impact resistant
- Flexibility in design with upwards, downwards and sideways facing mounting versatility
- Secure low torque mating of sealing cap or base and receptacle
- Pressure equalized and condensation minimized with optional vent feature

Specifications

Application Specification: <u>114-133074</u>
Product Specification: 108-133073

• Rated IEC61984 and UL773

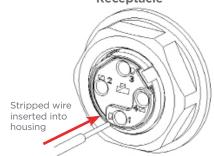
CB Certified



Product Selection Information

		Part Number	Description	Color	Mating Key
ZHAGA BOOK 18 CONNECTOR SET		<u>2213858-1</u>	Receptacle (includes sealing ring, washer and nut)	Black	Book 18
	•	<u>2213795-1</u>	Sealing Cap	Dark Gray	Book 18
		<u>2213837-1</u>	40mm Base	-	Book 18
	9	<u>2213831-3</u>	80mm Base	-	Book 18
		2213831-2	80mm Base with Vent	-	Book 18
		Part Number	Description	Color	Mating Key
ECTOR SET		<u>2343403-1</u>	Receptacle (includes sealing ring, washer and nut)	Black	А
ECTO	(3)	<u>2341474-1</u>	Sealing Cap	Dark Gray	А
/ A CONNECTO		2341474-1 2343405-1	Sealing Cap 40mm Base	Dark Gray	A
MATING KEY A CONNECTOR SET				Dark Gray -	





Wire poke-in locations (4)
Colored wire insertion markings available, contact
Product and Customer Support.

Zhaga Book 18 Wire Pattern

Pin #	Function
1	+24V power supply
2	Negative pole for Dali or Dali based protocol & shared ground return for 24V power supply
3	Positive pole for Dali or Dali based protocol
4	General digital I/O (greater than 7V)

User assigned wire pattern for Mating Key A

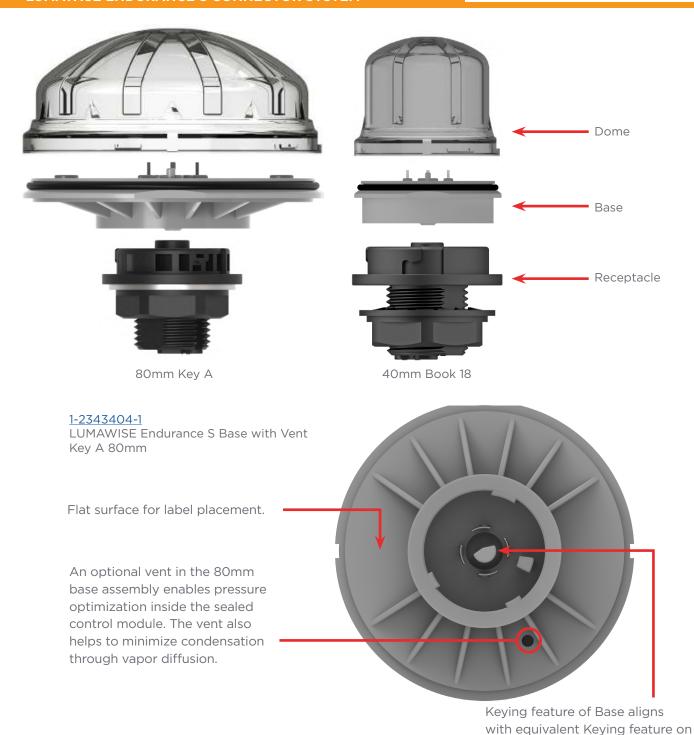


Product Selection Information

		Part Number	Description	Color	Height
40mm DOMES		2329013-1	40mm Dome	Smoke Gray	Low (24.25 mm)
		1-2329013-1	40mm Dome	Clear	Low (24.25 mm)
		2329013-2	40mm Dome	Smoke Gray	Tall (39.25 mm)
		<u>1-2329013-2</u>	40mm Dome	Clear	Tall (39.25 mm)
80mm DOMES		<u>2328823-1</u>	80mm Dome	Smoke Gray	Low (33.43 mm)
		<u>1-2328823-1</u>	80mm Dome	Clear	Low (33.43 mm)
		2328823-2	80mm Dome	Smoke Gray	Medium (43.43 mm)
		<u>1-2328823-2</u>	80mm Dome	Clear	Medium (43.43 mm)
		<u>2328823-3</u>	80mm Dome	Smoke Gray	Tall (58.43 mm)
		<u>1-2328823-3</u>	80mm Dome	Clear	Tall (58.43 mm)
OPTIONAL ACCESSORIES	0	1-2337216-1	80mm Skirt	Black	-
		<u>1-2337216-2</u>	80mm Skirt	Light Gray	-
	0	<u>1-2337216-3</u>	80mm Skirt	Dark Gray	-

Optional skirt physically closes the gap between control module and lighting fixture enhancing aesthetics and further protecting from entrance of water, dust and insects.





LUMAWISE Endurance S products represented on this page are shown actual size.



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.

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Receptacle for protected mating.

