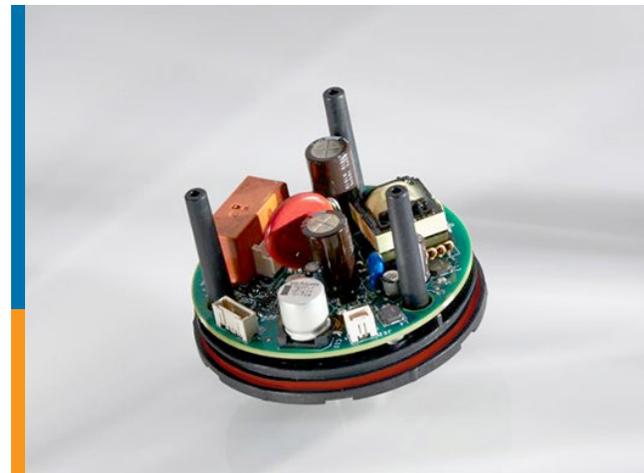


LUMAWISE ENDURANCE N ENHANCED BASE

TE Connectivity (TE)'s LUMAWISE Endurance N Enhanced base creates a platform for rapid development and manufacture of NEMA/ANSI street and outdoor lighting control solutions. The enhanced base takes the TE's LUMAWISE light controller base assembly to the next level of performance. By providing AC power switching and DC power supplies necessary for complex control node solutions, it allows designers more time to focus on value-adding features. The enhanced base presents organized DC power and signaling interfaces to the designer. Incorporates a mechanical architecture which supports design reuse and modularity across lighting control products. Using the enhanced base as a product platform de-risks project schedules, cost of design changes, and reduces opportunity cost by enabling more value-adding innovation. It also streamlines supply chains, all to drive benefit of the bottom line.



Applications

- Street & roadway lighting control
- Commercial & campus outdoor lighting management
- Smart cities control networks
- Smart grid to smart cities bridging

Materials

- **Housing:** PBT
- **Dimming Contacts:** Copper alloy gold plated
- **Power Contacts:** Copper alloy tin plated
- **Gasket:** Vinyl-nitrile foam
- **O-Ring:** Silicone rubber
- **RoHS compliant**

Environmental

- **Operating temperature:** -40°C to +85°C
- **Relative humidity:**
 - Operating: 15% to 96%
 - Non-condensing environment
- **Altitude**
 - Operating: -15M to + 2,000M
 - Non-Operating: -15M to + 14,000M

Specifications

- **Application Specification:** [114-133085](#)
- **Product Specification:** [108-133085](#)

Benefits

Through TE's pre-assembled LUMAWISE Endurance N enhanced base, customers can:

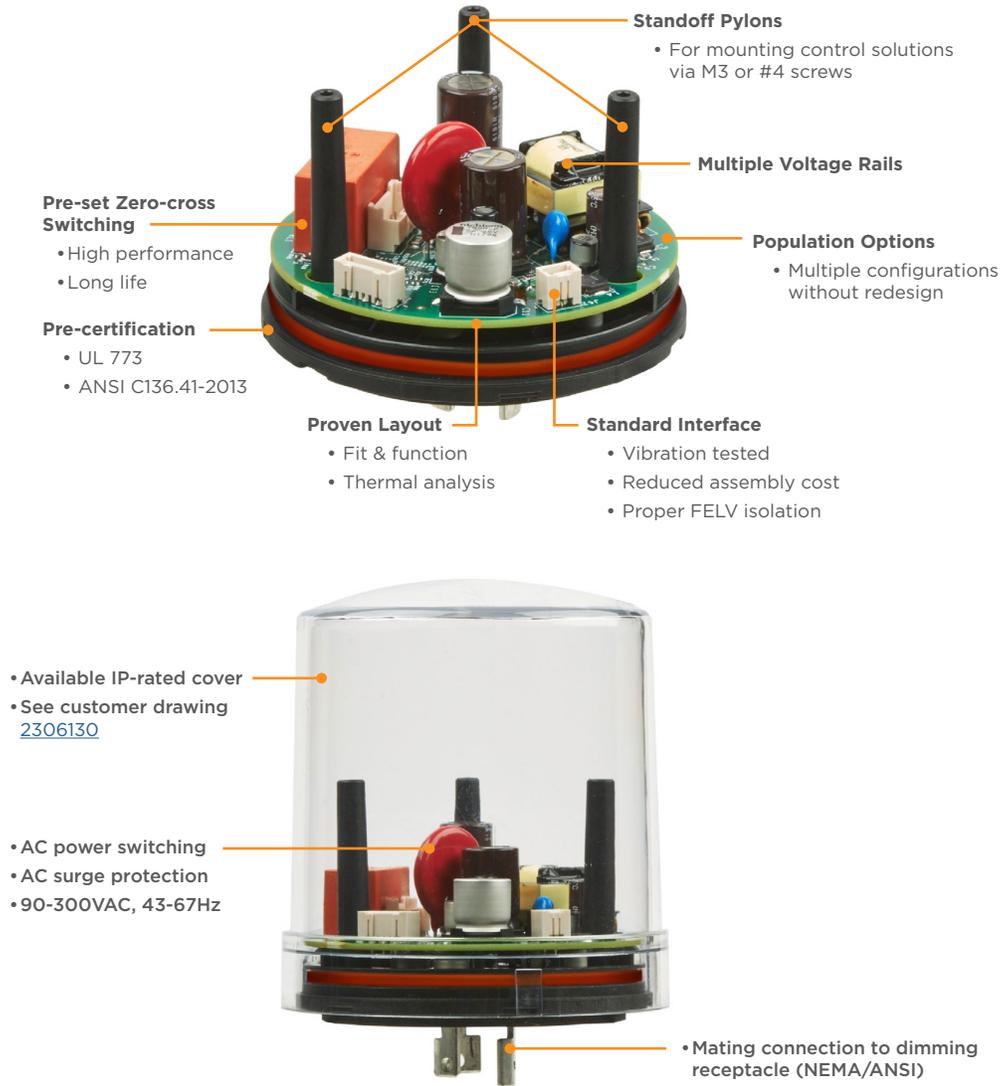
- Enable cost-effective design re-use through organized DC power and signaling interfaces
- Reduce supply chain expenses with new project opportunities and lower certification, engineering and opportunity costs
- De-risk project schedules and cost of design changes
- Improve manufacturability and further innovation focus

Electrical

Parameter	Value/Note
Input Voltage Range	90-300 VAC for 110/120, 230/240 and 277 VAC nominal sources
Input Frequency	47-63 Hz for 50/60 Hz nominal sources
Maximum AC current	5A based upon the relay ratings
DC Power Supplies	
Dimming	24 VDC at 50 mA maximum
Communications	5 VDC at 1000 mA maximum
Auxiliary	3.3 VDC at 500 mA maximum
Surge Protection	ANSI C62.41 6 kV, 3 kA combination wave surge protection
Power Consumption	<1W @ 120VAC, < 2W @ 277 VAC
Fail Mode*	On or Off

*value depends on part number

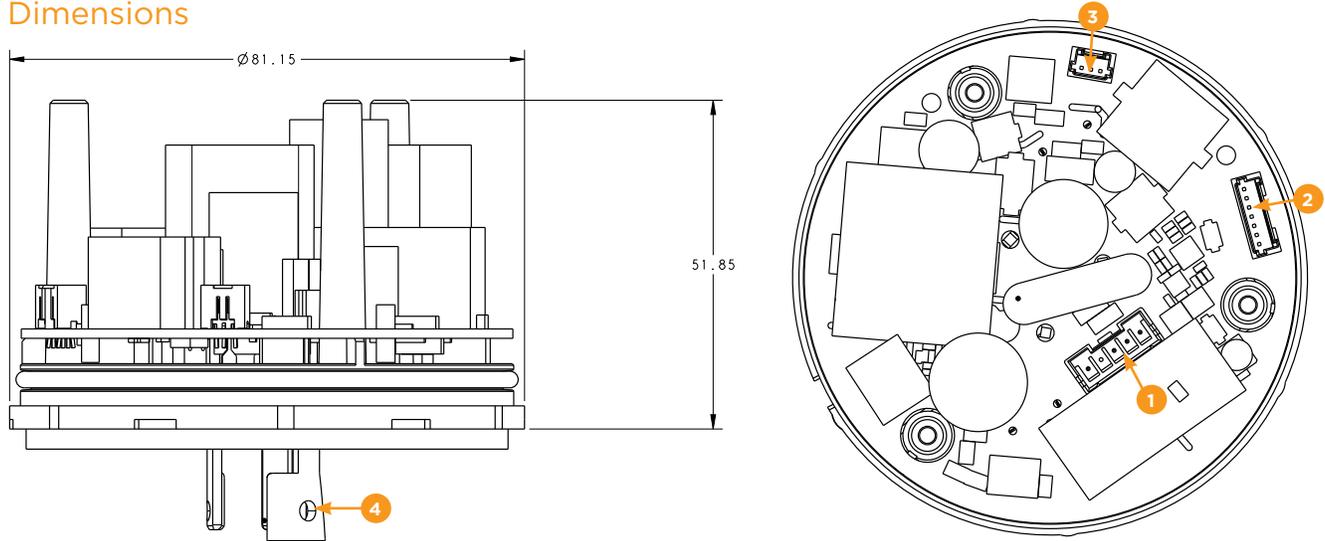
Value Points



Product Selection Information

Part Number	Description	Frequency (Hz)	Energy Metering Header	Fail Mode	Zero Cross
2314786-1	LUMAWISE Endurance N Enhanced Base	60	YES	ON	YES
2314786-2	LUMAWISE Endurance N Enhanced Base	60	YES	OFF	YES
2314786-3	LUMAWISE Endurance N Enhanced Base	60	NO	ON	YES
2314786-4	LUMAWISE Endurance N Enhanced Base	60	NO	OFF	YES
1-2314786-1	LUMAWISE Endurance N Enhanced Base	50	YES	ON	YES
1-2314786-2	LUMAWISE Endurance N Enhanced Base	50	YES	OFF	YES
1-2314786-3	LUMAWISE Endurance N Enhanced Base	50	NO	ON	YES
1-2314786-4	LUMAWISE Endurance N Enhanced Base	50	NO	OFF	YES
2-2314786-1	LUMAWISE Endurance N Enhanced Base	50/60	YES	ON	NO
2-2314786-2	LUMAWISE Endurance N Enhanced Base	50/60	YES	OFF	NO
2-2314786-3	LUMAWISE Endurance N Enhanced Base	50/60	NO	ON	NO
2-2314786-4	LUMAWISE Endurance N Enhanced Base	50/60	NO	OFF	NO

Dimensions



Compatible Products

Item	Enhanced Base Interface	Description	Part Number
1	Energy Metering Connection	EMC Cable Assembly	2318044-1
2	Management Power Connection	MPC Cable Assembly, 7 position	2318043-1
3	Luminaire Control Connection	LCC Cable Assembly, 3 position	2318043-2
4	ANSI C136.41-2013 Interface	LUMAWISE Dimming Receptacle	2213362
			2213627

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1-1773941-4 JN 11/2017

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