

Athena Wireless Node (AWN) and OMNIDRIVE® X 0-10V Control

Combine OMNIDRIVE® X 0-10V dimming with wireless control via the integrated Athena Wireless Node, enabling effortless integration with the Lutron Athena control system.

Date _____

Project Notes _____



FEATURES

- A driver with prewired control in a compact, unified solution
- Optional auxiliary power included (see configurations)
- Ready to communicate wirelessly once power is connected
- 0-10V dimming through Lutron Athena control systems
- No minimum load
- UL listed and JA8 compliant
- 5 Year Limited Warranty



ORDERING CODES

ALL MODELS

DI-AWNAUX-ODX-24V96W-LPS3R
 DI-AWNAUX-ODX-24V60W-LPS3R
 DI-AWNAUX-ODX-24V30W-LPS3R
 DI-AWN-ODX-24V96W-J
 DI-AWN-ODX-24V60W-J
 DI-AWN-ODX-24V30W-J

DESCRIPTIONS

Athena Wireless Node (AWN) and OMNIDRIVE X 0-10V Control, 24V 96W, WITH Aux power, in Class 2 Rated Junction Box
 Athena Wireless Node (AWN) and OMNIDRIVE X 0-10V Control, 24V 60W, WITH Aux power, in Class 2 Rated Junction Box
 Athena Wireless Node (AWN) and OMNIDRIVE X 0-10V Control, 24V 30W, WITH Aux power, in Class 2 Rated Junction Box
 Athena Wireless Node (AWN) and OMNIDRIVE X 0-10V Control, 24V 96W, WITHOUT Aux power, in Class 2 Rated Junction Box
 Athena Wireless Node (AWN) and OMNIDRIVE X 0-10V Control, 24V 60W, WITHOUT Aux power, in Class 2 Rated Junction Box
 Athena Wireless Node (AWN) and OMNIDRIVE X 0-10V Control, 24V 30W, WITHOUT Aux power, in Class 2 Rated Junction Box

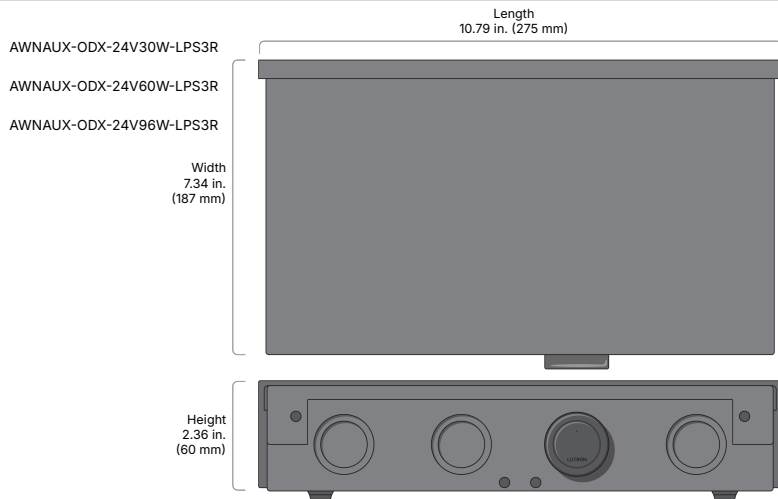
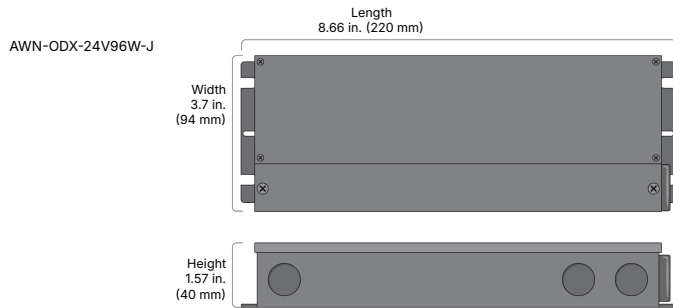
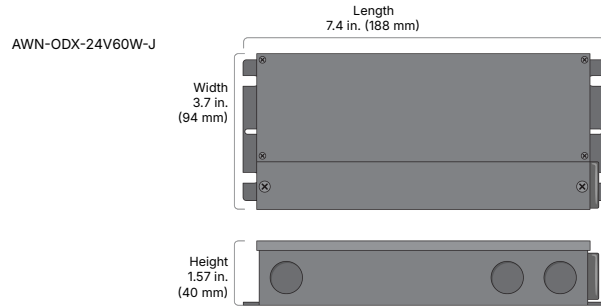
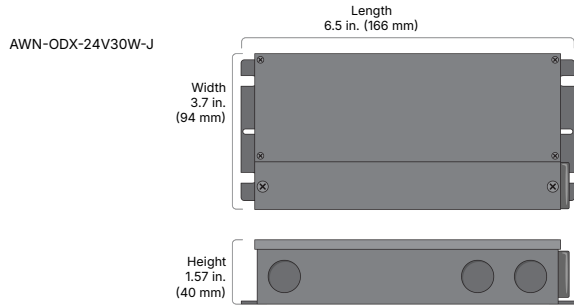
GENERAL SPECIFICATIONS (ALL MODELS)

Input Voltage / Frequency	120-277VAC
Output Voltage	24VDC
Efficiency	>83%
Class 2	Yes
Ambient Temperature	-40 ~ +140°F (-40 ~ +60°C)
Operating Temperature	-22 ~ 158°F (-30 ~ +70°C)
Minimum Load	No Minimum Load
Dimmable	Yes
Internal Protection	Shut down, recovers automatically after fault condition is removed
Environment	Indoor / Damp Location (IP20)
Working Humidity	20 - 95%RH, non-condensing
Limited Warranty	5 Year Limited Warranty
Junction Box	Required

DETAILED SPECIFICATIONS

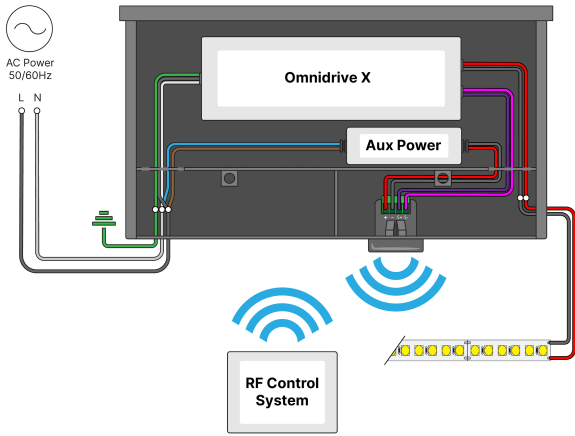
	AWNAUX-ODX-24V30W-LPS3R	AWNAUX-ODX-24V60W-LPS3R	AWNAUX-ODX-24V96W-LPS3R	AWN-ODX-24V30W-J	AWN-ODX-24V60W-J	AWN-ODX-24V96W-J
Maximum Load	30W	60W	96W	30W	60W	96W
Input Connection Type	Terminal	Terminal	Wire	Terminal	Terminal	Wire
Output Connection Type	Terminal	Terminal	Wire	Terminal	Terminal	Wire
Dimensions	10.79 × 7.34 × 2.36 in. (L x W x H)	10.79 × 7.34 × 2.36 in. (L x W x H)	10.79 × 7.34 × 2.36 in. (L x W x H)	6.5 × 3.7 × 1.57 in. (L x W x H)	7.4 × 3.7 × 1.57 in. (L x W x H)	8.66 × 3.7 × 1.57 in. (L x W x H)

MECHANICAL DIAGRAMS

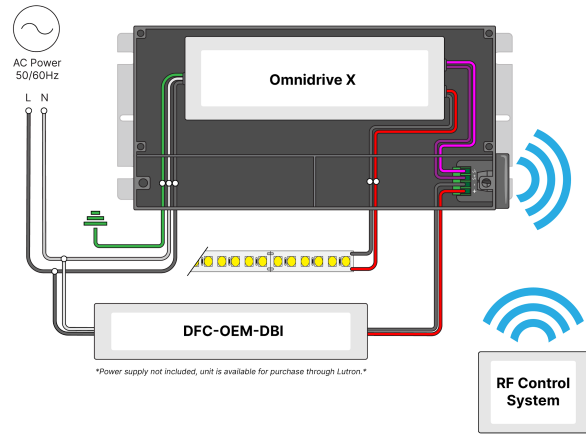


SYSTEM DIAGRAMS

Athena Wireless Node (AWN) and OMNIDRIVE® X 0-10V Control (with auxiliary power supply)



Athena Wireless Node (AWN) and OMNIDRIVE® X 0-10V Control (without auxiliary power supply)



CERTIFICATIONS**Safety**

- cULus Listed (US & Canada) Low Voltage Lighting System #E469769.
- Patent. <https://led-patent.com/>

Performance

- Can be used to comply with TITLE 24 Part 6 High Efficacy Lighting LED requirements - JA8-2016-2022-E

Safety / Warnings / Disclosures

1. Install in accordance with national and local electrical code regulations.
2. This product is intended to be installed and serviced by a qualified, licensed electrician.
3. Only use copper wiring. Use wires rated for at least 176°F (80°C) and certified for use with external connection of electrical equipment.
4. Tape light, attached wire leads, and additional extension cables, connectors, etc., are not rated for in-wall installation unless otherwise noted. Tape light and attached wire leads are field-cutttable.
5. Ensure applicable wire is installed between driver, fixture, and any controls in-between. When choosing wire, factor in voltage drop, amperage rating, and type (in-wall rated, wet location rated, etc.). Inadequate wire installation could overheat wires, and cause fire.
6. Do not install in environment where excessive heat may exist (ex. close proximity to fireplace, etc.) See Ambient Temperature ratings
7. Do not install indoor LED tape light products in outdoor / wet location environments. Only wet location tape light models are rated for outdoor / wet locations.
8. Do not modify product beyond instructions or warranty will be void.
9. Tape light must be handled with care. Excessive handling, bending, and pressure may damage the product, voiding the warranty.
10. Actual color may vary from what is pictured on this sheet and other print materials due to the limitations of photographic processes.
11. We reserve the right to modify and improve the design of our fixtures without prior notice. We cannot guarantee to match existing installed fixtures for subsequent orders or replacements in regards to product appearance, CCT, or lumen output.

- Lumen value measured in accordance to IES LM-79-08. LED chips have a luminous flux range with a tolerance of +/- 5%.
- Each maximum run requires a dedicated power feed from the driver. Do not extend beyond the recommended maximum run length. Max run may exceed Class 2 limit. Actual wattage may differ from calculated wattage due to voltage drop across run.
- Do not install product in an environment outside the listed ambient temperature. Exceeding the maximum ambient temperature may damage LED chips, reduce the total lamp life, lumen output, and/or adversely impact color consistency.
- Actual efficacy value is dependent to specified LED driver (power supply). An estimated efficacy value can be calculated as follows: Lumen value divided by average power consumption per foot.
- Operating temperature is measured according to the minimum and maximum ambient temperature environment.

WARRANTY**Warranty**

- 5 Year Limited Warranty

This warranty does not include the additional accessories referenced in this specification sheet. Complete warranty details for fixtures and additional accessories are available at www.diodeled.com/limited-warranty/ within the Policies section. For warranty related questions please contact product support.

Consumer's Acknowledgment

Elemental LED, Inc. stands behind its products when they are used properly and according to our specifications. By purchasing our products, the purchaser agrees and acknowledges that lighting design, configuration and installation is a complex process, wherein seemingly minor factors or changes in layout and in-field adjustments can have a significant impact on an entire system. Choosing the correct components is essential. Elemental LED is able to work with the original purchaser to make an appropriate product selection to the extent of the limited information that the customer can provide, but it is virtually impossible for Elemental LED to design a system that foresees every unknown factor. For this reason, this Warranty does not cover problems caused by improper design, configuration or installation issues. Any statement from a Elemental LED employee or agent regarding a customer's bill of goods and/or purchase order is NOT an acknowledgment that the products purchased are designed and configured correctly. The purchase agrees and acknowledges that it is the customer's responsibility to adhere strictly to all information contained in the Product Specification Sheets.

There is often more than one way to design, configure and layout an LED lighting application properly to achieve the same lighting effect. Elemental LED strongly recommends that licensed professionals be used in the design and installation of lighting systems that include Elemental LED products. The specifications include important information that a designer and installer should carefully review and strictly follow. Qualified designers and certified and/or licensed installers, with access to the final installation environment, customer goals, and Elemental LED product specifications can make the requisite decisions appropriate for a successful finished lighting application.