Lutron Athena Wireless Node (AWN)

Euchips LED Driver Compatibility Reference V1.0

Section 1 Constant Current Driver-Commercial and Architecture Lighting

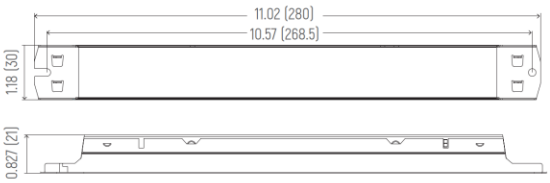
Static-White Control 0-10V (with AUX power Drivers) – EULPxxAS-1WPC

1. The driver has an auxiliary power and does not require a separate power supply.
2. The dimming curve is linear/logarithmic, and the dimming curve can be set to logarithmic via software programming to match the Athena Wireless Node (AWN) for optimal dimming performance.
3. The internal power supply shuts down within 4 seconds and restores power to the node within 0.5 seconds after the fixture's power is resumed, complying with the Lutron AWN series "Emergency Support / Override and Lock" feature requirements

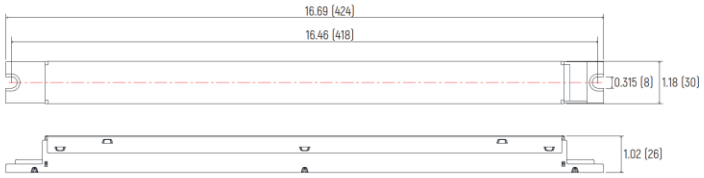
Euchips Part Number	Input Voltage (Vac)	Output Power (W)	Dimming Protocol	Dimming Curve
EULP30AS-1WPC	120-277Vac	30	0-10V	Linear/Logarithmic
EULP50AS-1WPC	120-277Vac	50	0-10V	Linear/Logarithmic
EULP85AS-1WPC	120-277Vac	85	0-10V	Linear/Logarithmic
EULP96AS-1WPC	120-277Vac	96	0-10V	Linear/Logarithmic

Dimension Inch (mm)

30W/50W

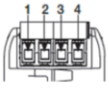


85W/96W



Wiring Diagram

Wiring Guide



Connector Position	0-10 V Function
1	AUX+
2	AUX-
3	SIG+
4	SIG-/DGND

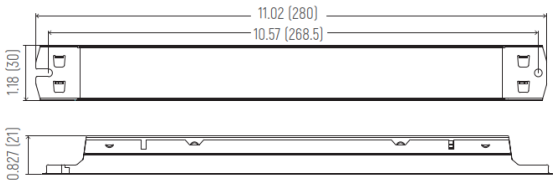
Static-White Control D4i (with self-powered DALI Bus & Aux Power) – EULPxxD4S-1WNC

1. The driver is powered via the DALI bus power supply and does not require a separate power connection. Before supplying power to the Athena Wireless Node, ensure that the DALI bus enable is turned on (configured via mobile EU_NFC or computer Euchips DALI200 + D4i).
2. The dimming curve is linear/logarithmic, and the dimming curve can be set to logarithmic via software programming to match the Athena Wireless Node (AWN) for optimal dimming performance.
3. The internal power supply shuts down within 4 seconds, complying with the Lutron AWN "Emergency Support / Override and Lock" feature.

Euchips Part Number	Input Voltage (Vac)	Output Power (W)	Dimming Protocol	Dimming Curve
EULP30D4S-1WNC	120-277Vac	30	DALI D4i	Linear/Logarithmic
EULP50D4S-1WNC	120-277Vac	50	DALI D4i	Linear/Logarithmic
EULP80D4S-1WNC	120-277Vac	80	DALI D4i	Linear/Logarithmic
EULP96D4S-1WNC	120-277Vac	96	DALI D4i	Linear/Logarithmic

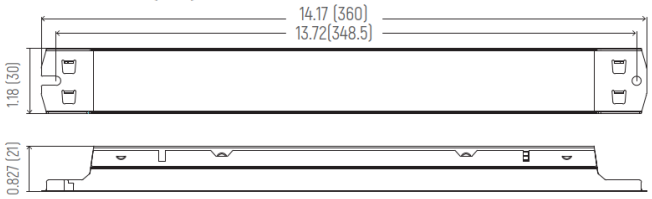
30W/50W

Dimension Inch (mm)



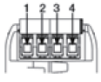
80W/96W

Dimension Inch (mm)



Wiring Diagram

Wiring Guide



Connector Position	DALI Function
1	DA
2	DA
3	N/C
4	N/C

NOTE: For drivers equipped with both DALI bus power supply and an auxiliary source, when connected to the Athena Wireless Node, only the DALI bus power supply can provide power to the node.

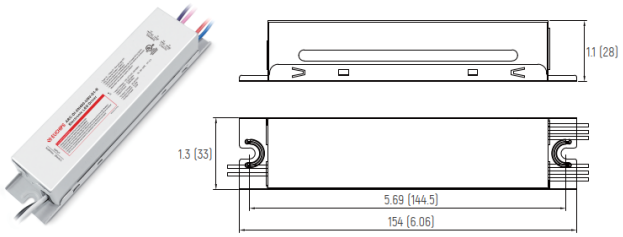
Static-White Control-0-10V (with AUX Power & ANSI C137.1 0-10V - Electronic Off) - ARCxxx-Y

1. The driver has an auxiliary power source and does not require a separate power supply.
2. The internal power supply shuts down within 4 seconds and restores power to the node within 0.5 seconds after the fixture's power is resumed, complying with the Lutron AWN series "Emergency Support / Override and Lock" feature requirements.
3. The dimming curve is linear. Linear dimming curve driver with linear dimming curve control may not provide the ideal dimming performance. See page 12 of app Note https://assets.lutron.com/a/documents/048587_web.pdf

Euchips Part Number	Input Voltage (Vac)	Output Power (W)	Dimming Protocol	Dimming Curve
ARC-xxx-R	120-277Vac/120-347Vac	15-50	0-10V	Linear
ARC-xxx-P	120-277Vac/120-347Vac	22-60	0-10V	Linear
ARC-xxx-M	120-277Vac/120-347Vac	60-80	0-10V	Linear
ARC-xxx-SSC	120-277Vac/120-347Vac	5-20	0-10V	Linear
ARC-xxx-LS	120-277Vac/120-347Vac	59-96 * 2	0-10V	Linear
ARC-xxx-S	120-277Vac/120-347Vac	60-96	0-10V	Linear
ARC-xxx-SLW	120-277Vac/120-347Vac	36-60	0-10V	Linear
ARC-xxx-SLC	120-277Vac/120-347Vac	36-60	0-10V	Linear

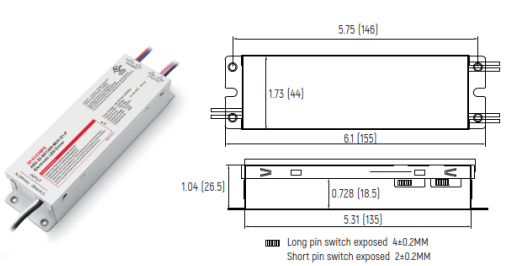
R Series

Dimension Inch (mm)



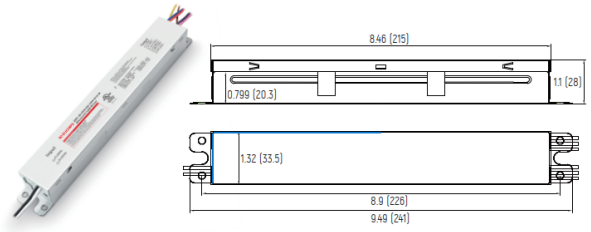
P Series

Dimension Inch (mm)



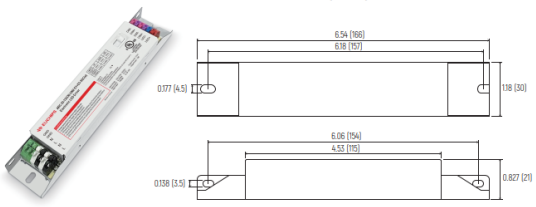
M Series

Dimension Inch (mm)



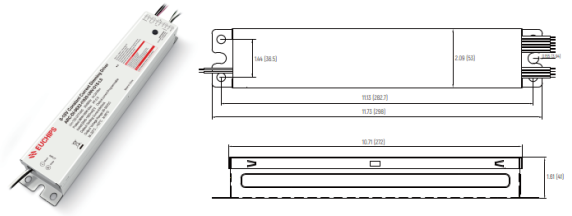
SSC Series

Dimension Inch (mm)



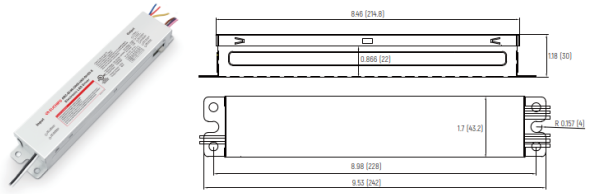
LS Series

Dimension Inch (mm)



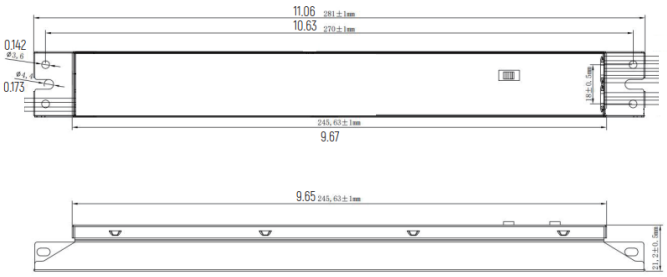
S Series

Dimension Inch (mm)



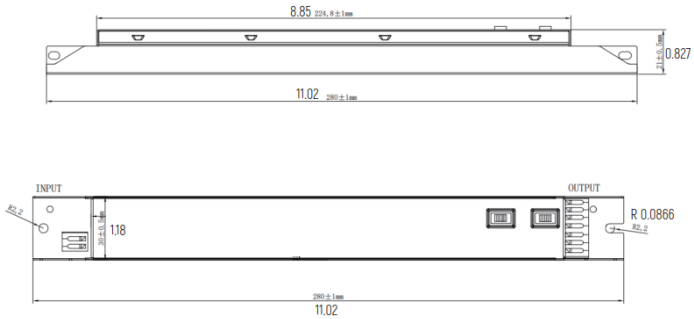
SLW Series

Dimension Inch (mm)

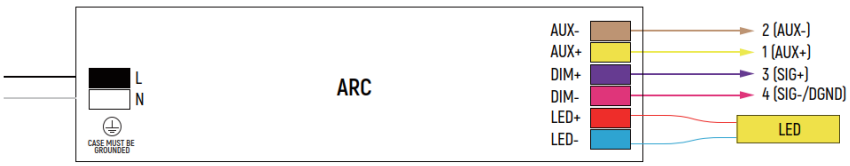


SLC Series

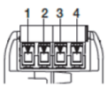
Dimension Inch (mm)



Wiring Diagram



Wiring Guide



Connector Position	0-10 V Function
1	AUX+
2	AUX-
3	SIG+
4	SIG-/DGND

Section 2 Constant Voltage Driver - RGB and Architecture Lighting

Tunable-White Control-D4i (with self-powered DALI bus) – MUPxxD4-2W24VN-BW

1. The driver is powered via the DALI bus power supply and does not require a separate power connection. Before supplying power to the Athena Wireless Node, ensure that the DALI bus enable is turned on (configured via mobile EU_NFC or computer Euchips DALI200 + D4i).
2. The internal power supply shuts down within 4 seconds, complying with the Lutron AWN "Emergency Support / Override and Lock" feature.
3. The dimming curve is logarithmic, supports DALI-2 Device Type 8 tunable-white.

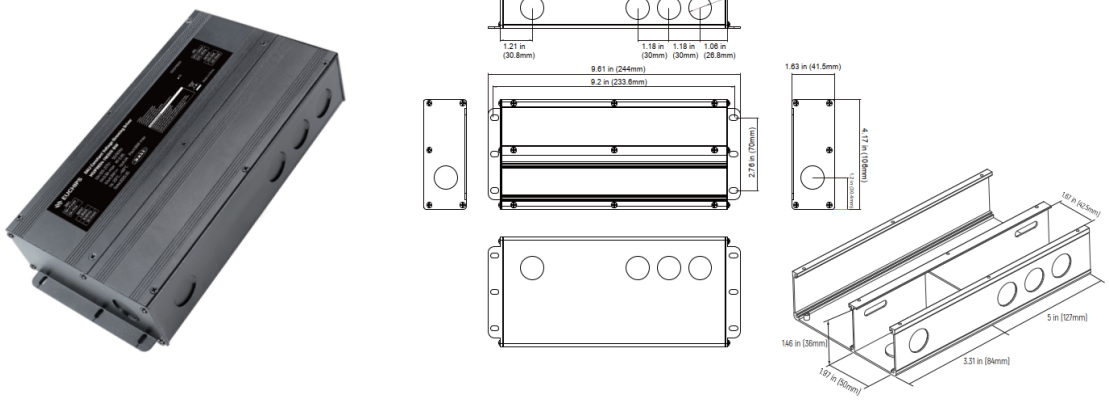
Euchips Part Number	Input Voltage (Vac)	Output Power (W)	Dimming Protocol	Curve
MUP96D4-2W24VN-BW	120-277Vac	96	DALI D4i DT8	Logarithmic

Static-White Control-D4i (with self-powered DALI bus) – MUPxxD4-1W24VN-BW

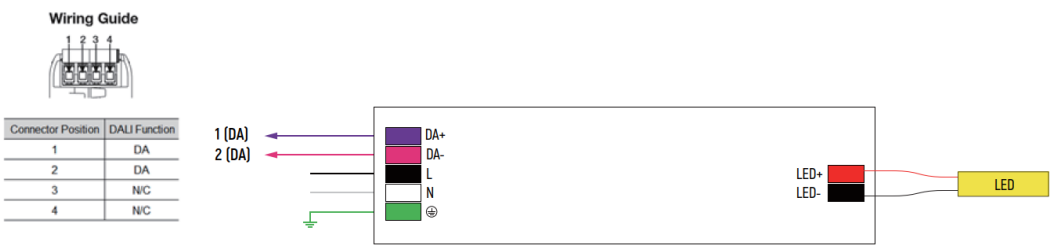
1. The driver is powered via the DALI bus power supply and does not require a separate power connection. Before supplying power to the Athena Wireless Node, ensure that the DALI bus enable is turned on (configured via mobile EU NFC or computer Euchips DALI200 + D4i).
2. The internal power supply shuts down within 4 seconds, complying with the Lutron AWN "Emergency Support / Override and Lock" feature.
3. The dimming curve is logarithmic, supports DALI-2 Device Type 6 Static-White.

Euchips Part Number	Input Voltage (Vac)	Output Power (W)	Dimming Protocol	Curve
MUP96D4-1W24VN-BW	120-277Vac	96	DALI D4i DT6	Logarithmic

Dimension Inch (mm)



Wiring Diagram

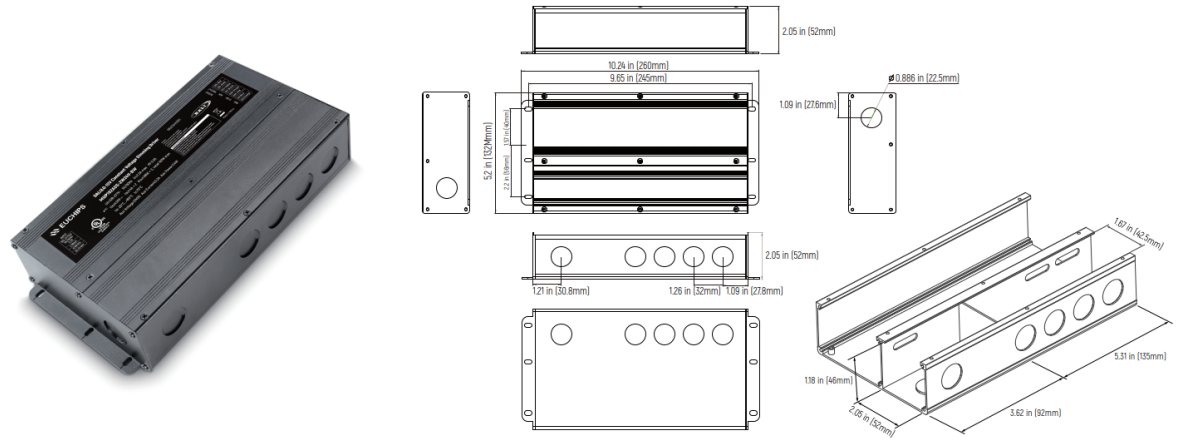


Static-White Control-0-10V (with AUX power & ANSI C137.1 0–10V - Electronic Off)-MUPxxADS

1. The driver has an auxiliary power and does not require a separate power supply.
2. The internal power supply shuts down within 4 seconds, complying with the Lutron AWN "Emergency Support / Override and Lock" feature.
3. The dimming curve is logarithmic, supporting both 0-10V and DALI dimming, with multi- channel constant voltage output to stays with UL1310 Class 2 output.

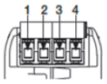
Euchips Part Number	Input Voltage (Vac)	Output Power (W)	Dimming Protocol	Dimming Curve
MUP192ADS-2W24V-BW	120-277Vac	96*2	0-10V & DALI	Logarithmic
MUP288ADS-3W24V-BW	120-277Vac	96*3	0-10V & DALI	Logarithmic

Dimension Inch (mm)



Wiring Diagram

Wiring Guide



Connector Position	0-10 V Function
1	AUX+
2	AUX-
3	SIG+
4	SIG-/DGND

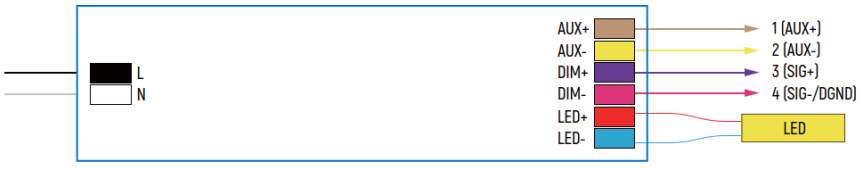
Section 3 Future Product - Constant Current Driver-Commercial Lighting

Static-White Control-0-10V (with AUX power Driver & ANSI C137.1 0–10V- Electronic Off)-EULPxxATS

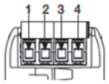
1. The driver has an auxiliary power and does not require a separate power supply.
2. The internal power supply shuts down within 4 seconds and restores power to the node within 0.5 seconds after the fixture's power is resumed, complying with the Lutron AWN series "Emergency Support / Override and Lock" feature requirements.
3. The dimming curve is linear/logarithmic for 0-10V dimming mode, and the dimming curve can be set to logarithmic via software programming to match the Athena Wireless Node (AWN) for optimal dimming performance.

Euchips Part Number	Input Voltage (Vac)	Output Power (W)	Dimming Protocol	Dimming Curve
EULP15ATS-1WPC-WS/WB	120-277Vac	15	0-10V & TRIAC/ELV	0-10V - Linear/Logarithmic TRIAC/ELV- Linear
EULP30ATS-1WPC-WS/WB	120-277Vac	30	0-10V & TRIAC/ELV	0-10V - Linear/Logarithmic TRIAC/ELV- Linear
EULP50ATS-1WPC-WS/WB-900	120-277Vac	50	0-10V & TRIAC/ELV	0-10V - Linear/Logarithmic TRIAC/ELV- Linear
EULP50ATS-1WPC-WS/WB-1250	120-277Vac	50	0-10V & TRIAC/ELV	0-10V - Linear/Logarithmic TRIAC/ELV- Linear
EULP60ATS-1WPC-WS/WB	120-277Vac	60	0-10V & TRIAC/ELV	0-10V - Linear/Logarithmic TRIAC/ELV- Linear

Wiring Diagram



Wiring Guide



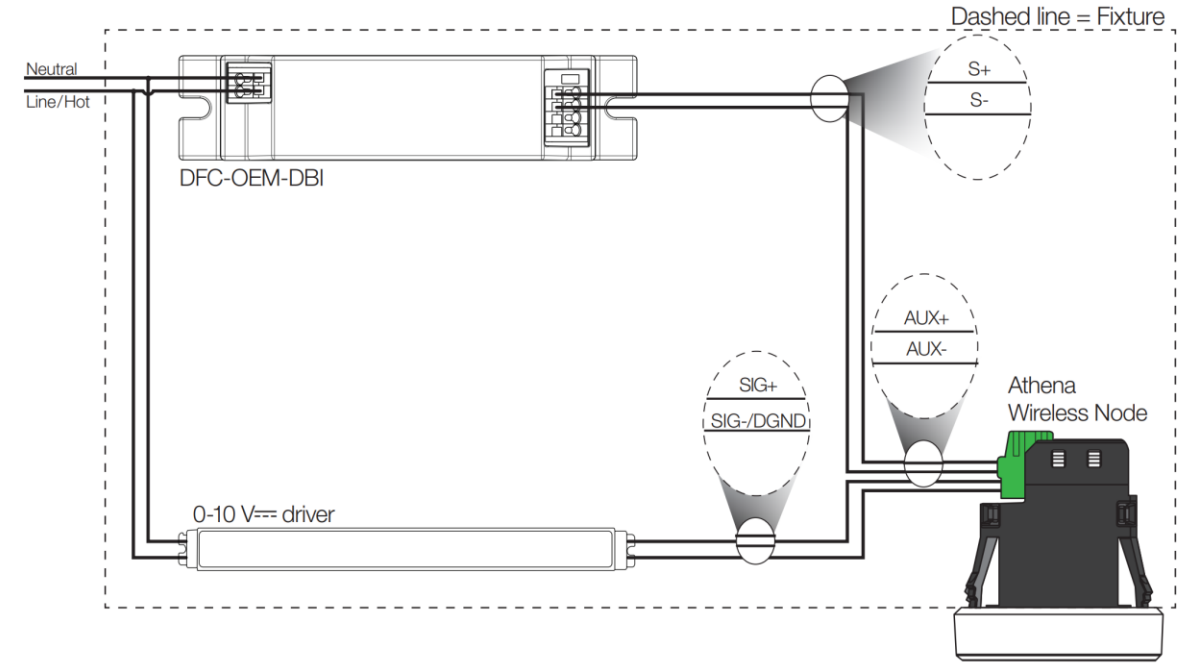
Connector Position	0-10 V Function
1	AUX+
2	AUX-
3	SIG+
4	SIG-/DGND

Static-White Control-0-10V (with insufficient power aux & ANSI C137.1 0–10V- Electronic Off) - PUPxxATS

1. The aux power of the driver is insufficient and cannot be used to directly supply power to the Athena Wireless Node (AWN).
2. The dimming curve is switchable between linear and logarithmic. To match the Athena Wireless Node and achieve optimal dimming performance, please set the driver's dimming curve to logarithmic before use.

Euchips Part Number	Input Voltage (Vac)	Output Power (W)	Dimming Protocol	Dimming Curve
PUP10ATS-1WPC	120-277Vac	10	0-10V & TRIAC/ELV	0-10V - Linear/Logarithmic TRIAC/ELV- Linear
PUP15ATS-1WPC	120-277Vac	15	0-10V & TRIAC/ELV	0-10V - Linear/Logarithmic TRIAC/ELV- Linear
PUP20ATS-1WPC	120-277Vac	20	0-10V & TRIAC/ELV	0-10V - Linear/Logarithmic TRIAC/ELV- Linear
PUP30ATS-1WPC	120-277Vac	30	0-10V & TRIAC/ELV	0-10V - Linear/Logarithmic TRIAC/ELV- Linear c
PUP40ATS-1WPC	120-277Vac	40	0-10V & TRIAC/ELV	0-10V - Linear/Logarithmic TRIAC/ELV- Linear

Wiring Diagram



* Previous versions of the DFC-OEM-DBI may have DA+/DA- labeled as E+/E-.

NOTE: For drivers with insufficient auxiliary power, please do NOT directly connect the Aux+/- to the AUX+/- terminals of the Athena Wireless Node. Power can be supplied via Lutron's DFC-OEM-DBI module, with the specific wiring method as shown above.