

Tunable White DALI 2 with Aux Power

- DALI 2 Type 8 for 2-CH tunable white
- AUX Power 9.5–28.8 V, 46 mA max

Form Factor	Input Voltage	Wattage	eldoLED Driver
L	120-277	50W	OTi50W/120-277/1A4/2CH TW L
B	120-277	30W	DUALdrive 30B-M2Z0CS

NOTE: For OT drivers, enable DEXAL Mode (for DALI PSU) in OT Programmer

Static White DALI 2 with Aux Power

- DALI 2 driver
- AUX Power 9.5–28.8 V, 46 mA max

Form Factor	Input Voltage	Wattage	eldoLED Driver
L	120-277	30W	OTi30/120-277/1A0 DX L**
L	120-277	50W	OTi50/120-277/1A4 DX L**
L	120-277	50W	ECODrive 50L-M1M0D*
L	120-277	50W	SOLOdrive 50L-M1M0D*
L	120-277	75W	ECODrive 75L-M1M0D*
L	120-277	75W	SOLOdrive 75L-M1M0D*
L	120-277	85W	OTi 85/120-277/2A3 DX L**
FB	120-277	60W	OTi60/UNV/1600C/DX/AUX**

NOTE: For OT drivers, enable DEXAL Mode (for DALI PSU) in OT Programmer

***Not a DALI-compliant solution. Separate terminals for AUX+/- and DALI +/- . Use wire jumpers to connect AUX +/- in parallel with DALI bus. Configure AUX to 16V in FLUXtool.**

****Compatible with Lutron Vive DFCSI in-fixture controller.**

Static White 0-10V with Aux Power

- 0-10V with electronic off
- ANSI C137.1 compliant
- AUX Power 9.5–28.8 V, 46 mA max

Form Factor	Input Voltage	Wattage	eldoLED Driver
L	120-277	20W	OTi20/120-277/0A7 DIM-1 L AUX G2 *
S	120-277	25W	OTi25W/120-277/1A2/DIM-1 AUX *
B	120-277	25W	OTi25W/120-277/1A2/DIM-1/J AUX *
L	120-277	30W	OTi30W/120-277/1A0 DIM-1 L AUX G2 *
S	120-277	40W	OTi40W/120-277/1A4/DIM-1 AUX *
B	120-277	40W	OTi40W/120-277/1A4/DIM-1/J-AUX *
L	120-277	48W	OTi48/120-277/2A0 DIM-1 L AUX G2 *
L	120-277	50W	OTi50/120-277/1A4 DIM-1 L AUX G2 *
L	120-277	50W	ECODrive 50L-M1M0A
L	120-277	50W	SOLOdrive 50LM1M0A
S	120-277	55W	OTi55W/120-277/2A0/DIM-1 AUX *
B	120-277	55W	OTi55W/120-277/2A0/DIM-1/J AUX *
L	120-277	75W	ECODrive 75L-M1M0A
L	120-277	75W	SOLOdrive 75L-M1M0A
S	120-277	75W	OTi75W/120-277/2A0/DIM-1 AUX*
B	120-277	75W	OTi75W/120-277/2A0/DIM-1/J AUX*
L	120-277	85W	OTi85/120-277/2A3 DIM-1 L AUX*
L	120-277	85W	OTi85/120-277/2A3 DIM-1 L HB AUX*
S	120-277	95W	OTi95W/120-277/2A5/DIM-1 AUX*
B	120-277	95W	OTi95W/120-277/2A5/DIM-1/J AUX*
L	347-480	85W	OTi85/347-480/2A3 DIM-1 L AUX*
L	347	30W	OTi 30/347/1A0 DIM-1 L AUX*
L	347	48W	OTi48/347/2A0 DIM-1 L AUX*
L	347	50W	OTi50/347/1A4 DIM-1 L AUX*
S	347	25W	OTi25W/347/1A2/DIM-1 AUX*
B	347	25W	OTi25W/347/1A2/DIM-1 J/AUX*
S	347	40W	OTi40W/347/1A4/DIM-1 AUX*
B	347	40W	OTi40W/347/1A4/DIM-1 J/AUX*
F	120-277	95W	OTi95W/UNV/2750C/2DIM+/P6/AUX*
F	120-277	100W	OTi100W/UNV/1600C/2DIM+/P6/AUX*
F	120-277	200W	OTi200/UNV/900C/2DIM+/P6/AUX*
F	120-277	200W	OTi200/UNV/1400C/2DIM+/P6/AUX*
F	120-277	95W	OTi95/HV/2750C/2DIM+/P6/AUX*
F	347-480	180W	OTi180/HV/2750C/2DIM+/P6/AUX*

NOTE: OPTOTRONIC LED drivers by eldoLED (*) are only available with a linear dimming curve, which is not optimized with the Lutron Electronics Athena Wireless Node. The dimming performance may not be acceptable in all applications. eldoLED recommends all customers evaluate dimming performance to ensure acceptable aesthetic performance

Tunable White DALI 2 with Underpowered AUX

- DALI 2 Type 8 for 2-CH tunable white
- Fixture OEM to include Lutron DFC-OEM-DBI DALI Bus power supply

B	120-277	75W	DUALdrive 75B-M2A0C
L	120-277	75W	DUALdrive 75L-M2A0C
U	120-277	100W	DUALdrive 1062/M
S	120-277	100W	DUALdrive 1062/S

NOTE: Do not use AUX output from eldoLED driver to power the DALI Bus (Power is insufficient)

Static White DALI 2 with Underpowered AUX

- DALI 2 driver
- Fixture OEM to include Lutron DFC-OEM-DBI DALI Bus power supply

U	120-277	20W	ECODrive 20U-M1A0D
U	120-277	20W	SOLOdrive 20U-M1A0D
U	120-277	30W	ECODrive 30U-M1A0D
U	120-277	30W	SOLOdrive 30U-M1A0D
U	120-277	50W	ECODrive 50U-M1A0D
U	120-277	50W	SOLOdrive 50U-M1A0D
B	120-277	75W	ECODrive 75B-M1A0D
B	120-277	75W	SOLOdrive 75B-M1A0D

NOTE: Do not use AUX output from eldoLED driver to power the DALI Bus (Power is insufficient)

Static White 0-10V with Underpowered AUX

- 0-10V with electronic off
- ANSI C137.1 compliant
- Fixture OEM to include Lutron DFC-OEM-DBI DALI Bus power supply

U	120-277	20W	ECODrive 20U-M1A0A
U	120-277	20W	SOLOdrive 20U-M1A0A
U	120-277	30W	ECODrive 30U-M1A0A
U	120-277	30W	SOLOdrive 30U-M1A0A
U	120-277	50W	ECODrive 50U-M1A0A
U	120-277	50W	SOLOdrive 50U-M1A0A
B	120-277	75W	ECODrive 75B-M1A0A
B	120-277	75W	SOLOdrive 75B-M1A0A
S	120-277	100W	SOLOdrive 1066/S
M	120-277	100W	SOLOdrive 1066/M

NOTE: Do not use AUX output from eldoLED driver to power Athena (Power is insufficient)

Tunable White DALI 2 without AUX Power

- DALI 2 Type 8 for 2-CH tunable white
- Fixture OEM to include Lutron DFC-OEM-DBI DALI Bus power supply

Form Factor	Input Voltage	Wattage	eldoLED Driver
U	120-277	20W	DUALdrive 20U-M2Z0C
B	120-277	30W	DUALdrive 30B-M2Z0C
S	120-277	30W	DUALdrive 30S-M2Z0C
U	120-277	30W	DUALdrive 30U-M2Z0C
L	120-277	50W	DUALdrive 50L-M2Z0C
U	120-277	50W	DUALdrive 50U-M2Z0C
S	120-277	50W	DUALdrive 562/S
A	120-277	50W	DUALdrive 562/A
L	120-277	50W	DUALdrive 562/L
U	120-277	50W	DUALdrive 562/U
U	120-277	30W	DUALdrive 362/U
U	120-277	20W	DUALdrive 262/U
L	120-277	75W	DUALdrive762/L

Static White DALI 2 without AUX Power

- DALI 2 driver
- Fixture OEM to include Lutron DFC-OEM-DBI DALI Bus power supply

Form Factor	Input Voltage	Wattage	eldoLED Driver
B	120-277	10W	ECODrive 160/B
S	120-277	10W	ECODrive 160/S
B	120-277	10W	SOLOdrive 160/B
S	120-277	10W	SOLOdrive 160/S
B-SFF	120-277	22W	ECODrive 22B-M1Z0D
S-SFF	120-277	22W	ECODrive 22S-M1Z0D
S-SFF	120-277	22W	ECODrive 22S-M1Z1D
B-SFF	120-277	22W	SOLOdrive 22B-M1Z0D
S-SFF	120-277	22W	SOLOdrive 22S-M1Z0D
S-SFF	120-277	22W	SOLOdrive 22S-M1Z1D
B	120-277	30W	ECODrive 30B-M1Z0D
B	120-277	30W	SOLOdrive 30B-M1Z0D
S	120-277	30W	ECODrive 30S-M1Z0D
S	120-277	30W	SOLOdrive 30S-M1Z0D
FB	120-277	60W	OTi60/UNV/1600C/DALI/P6

Static White 0-10V without AUX Power

- 0-10V with electronic off
- ANSI C137.1 compliant
- Fixture OEM to include external AUX power supply

Form Factor	Input Voltage	Wattage	eldoLED Driver
B	120-277	10W	ECODrive 161/B
B	120-277	10W	SOLOdrive 161/B
S	120-277	10W	ECODrive 161/S
S	120-277	10W	SOLOdrive 161/S
B	120-277	20W	ECODrive 261/B
B	120-277	20W	SOLOdrive 261/B
S	120-277	20W	ECODrive 261/S
S	120-277	20W	SOLOdrive 261/S
L	120-277	20W	OTi 20/120-277/0A7 DIM-1 L G2*
B-SFF	120-277	22W	ECODrive 22B-M1Z0A
B-SFF	120-277	22W	SOLOdrive 22B-M1Z0A
S-SFF	120-277	22W	ECODrive 22S-M1Z0A
S-SFF	120-277	22W	ECODrive 22S-M1Z1A
S-SFF	120-277	22W	SOLOdrive 22S-M1Z0A
S-SFF	120-277	22W	SOLOdrive 22S-M1Z1A
S	120-277	25W	OTi25W/120-277/1A2/DIM-1*
B	120-277	25W	OTi25W/120-277/1A2/DIM-1/J*
L	120-277	30W	OTi30/120-277/1A0 DIM-1 L G2*
B	120-277	30W	ECODrive 30B-M1Z0A
B	120-277	30W	SOLOdrive 30B-M1Z0A
S	120-277	30W	ECODrive 30S-M1Z0A
S	120-277	30W	SOLOdrive 30S-M1Z0A
S	120-277	40W	OTi40W/120-277/1A4/DIM-1
B	120-277	40W	OTi40W/120-277/1A4/DIM-1/J
L	120-277	48W	OTi48/120-277/2A0 DIM-1 L G2
B	120-277	50W	ECODrive 561/B
B	120-277	50W	SOLOdrive 564/B
S	120-277	50W	SOLOdrive 564/S
L	120-277	50W	OTi50/120-277/1A4 DIM-1 L G2*
B	120-277	55W	OTi55W/120-277/2A0/DIM-1*
B	120-277	55W	OTi55W/120-277/2A0/DIM-1/J*
S	120-277	75W	OTi75W/120-277/2A0/DIM-1*
B	120-277	75W	OTi75W/120-277/2A0/DIM-1/J*
L	120-277	85W	OTi85W/120-277/2A3/DIM-1 L*
L	120-277	85W	OTi85W/120-277/2A3/DIM-1 L HB*
S	120-277	95W	OTi95W/120-277/2A5/DIM-1*
B	120-277	95W	OTi95W/120-277/2A5/DIM-1/J*
L	347-480	85W	OTi85W/347-480/2A3/DIM-1 L*
L	347	30W	OTi 30/347/1A0 DIM-1 L*
L	347	48W	OTi 48/347/2A0 DIM-1 L*
L	347	50W	OTi 50/347/1A4 DIM-1 L*
L	347-480	85W	OTi 85/347-480/2A3 DIM L (10% Dim)*
L	347	30W	OTi 30/347/1A0 DIM L (10% Dim)*
L	347	48W	OTi 48/347/2A0 DIM L (10% Dim)*
L	347	50W	OTi 50/347/1A4 DIM L (10% Dim)*
S	347	25W	OTi25W/347/1A2/DIM-1*
B	347	25W	OTi25W/347/1A2/DIM-1/J*
S	347	40W	OTi40W/347/1A4/DIM-1*
B	347	40W	OTi40W/347/1A4/DIM-1/J*
F	120-277	95W	OTi95W/UNV/2750C/2DIM+/P6*
F	120-277	200W	OTi200/UNV/900C/2DIM+/P6*
F	120-277	200W	OTi200/UNV/1400C/2DIM+/P6*
S	120-277	100W	SOLOdrive 1061/S
M	120-277	100W	SOLOdrive 1061/M

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Constant Voltage

Tunable White DALI-2 DT8 without AUX Power^{1,2}

¹Fixture OEM to include Lutron DFC-OEM-DBI DALI Bus power supply.
²Not DALI-2 certified

Static White DALI-1 without AUX Power¹

¹Fixture OEM to include Lutron DFC-OEM-DBI DALI Bus power supply.

Dim-to-Warm DALI-2 DT6 without AUX Power

¹Fixture OEM to include Lutron DFC-OEM-DBI DALI Bus power supply.
²Not DALI-2 certified

Form Factor	Input Voltage	Wattage	eldoLED Driver	Form Factor	Input Voltage	Wattage	eldoLED Driver	Form Factor	Input Voltage	Wattage	eldoLED Driver
D	12-28VDC	200W	LINEARdrive 200D-D2Z2C	A	120-277	100W	LINEARdrive 100/A	D	12-28VDC	200W	LINEARdrive 200D-D2Z1D
				M	120-277	100W	LINEARdrive 100/M				
				S	120-277	100W	LINEARdrive 100/S				
				D	12-28VDC	200W	LINEARdrive 210/D				
				D	12-48VDC	720W	LINEARdrive 720/D				

Static White 0-10V with AUX Power

Form Factor	Input Voltage	Wattage	eldoLED Driver
D	12-28VDC	200W	LINEARdrive 211/D

Form Factor Reference

L	LINEAR	Linear form factor driver, standard height
M	LINEAR	Linear form factor driver
U	LINEAR	Linear form factor driver, reduced profile height
A	COMPACT	Compact form factor driver
B	COMPACT	Compact form factor driver, bottom feed
B-SFF	SMALL FORM FACTOR	Compact small form factor, bottom feed
S	COMPACT	Compact form factor driver, side feed
S-SFF	SMALL FORM FACTOR	Compact small form factor, side feed
F or FB	OUTDOOR	For outdoor applications
D	DC2DC	Stick configuration for DC voltage designs

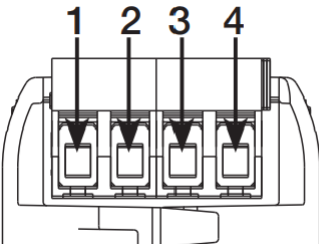
Refer to individual product sheets for complete dimensional information.

Application Note –

**Wiring and Program Settings for use with Athena Wireless Node - LED drivers
by eldoLED, including OPTOTRONIC series**

Athena Wireless Node

Wiring Guide

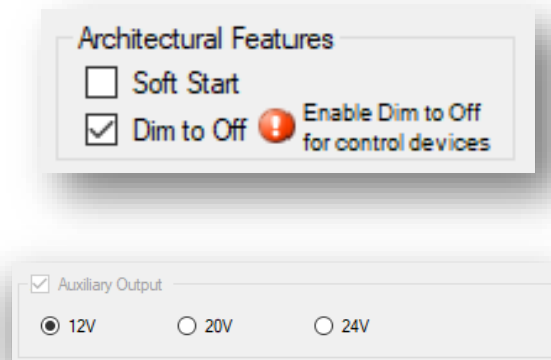


Connector Position	DALI Function	0-10 V Function
1	DA	AUX+
2	DA	AUX-
3	N/C	SIG+
4	N/C	SIG-/DGND

OPTOTRONIC 0-10V

Program Settings & Notes

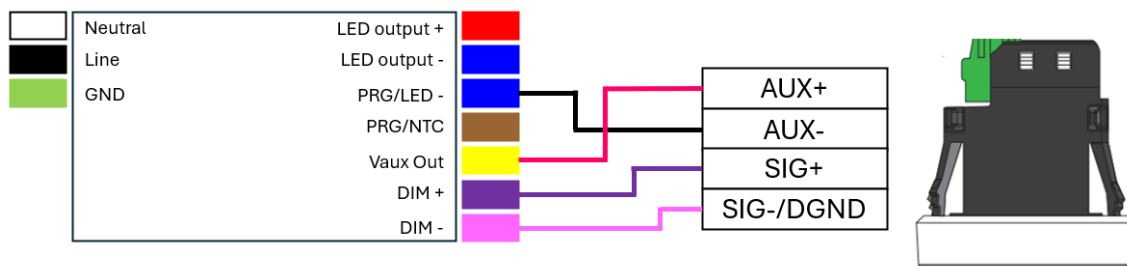
- In OT Programmer, Enable **Dim-to-OFF** and set **Auxiliary Output to 12V** (default).



- Note:** for EM support with AWN, OPTOTRONIC AUX drivers meet Lutron's AUX dropout time requirement of 4 seconds of AC power removed from the fixture and restores power to the node within 0.5 seconds of power being restored.
- Note:** OPTOTRONIC LED drivers by eldoLED are only available with a linear dimming curve, which is not optimized with the Lutron Electronics Athena Wireless Node. The dimming performance may not be acceptable in all applications. eldoLED recommends all customers evaluate dimming performance to ensure acceptable aesthetic performance.

Wiring Diagram

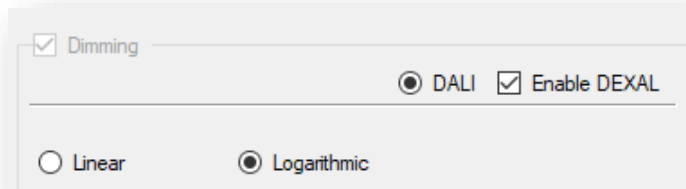
- The Vaux Out (**YELLOW**) and LED- (**BLUE**) will provide the DC Auxiliary output.
- Yellow is “+ve” polarity and blue is “-ve” polarity.
- Max of 5-drivers in a single fixture can be connected to an AWN, and only one AUX power should be connected.



OPTOTRONIC/ECodrive D4i

Program Settings & Notes

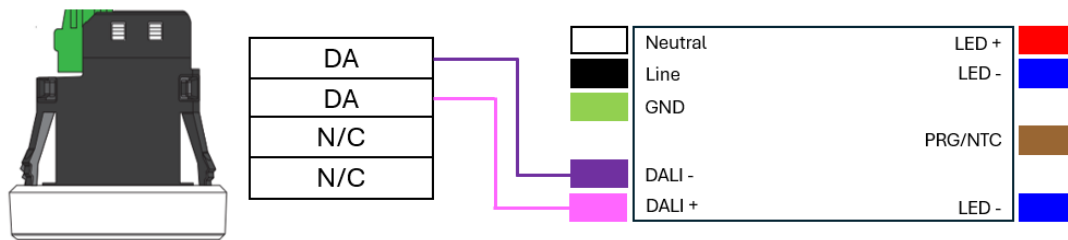
- In OT Programmer, **Enable DEXAL** mode and **Logarithmic** dimming curve.
- With DEXAL mode enabled, the driver's integral DALI Bus power supply will be turned on and will provide 62mA (max) to the DALI Bus.
- With DEXAL mode disabled, the driver will consume 2mA of DALI Bus current.



- **Note:** for EM support with AWN, OPTOTRONIC D4i driver's DALI Bus power supply meets Lutron's dropout time requirement of 4 seconds of AC power removed from the fixture and restores power to the node within 0.5 seconds of power being restored.

Wiring Diagram

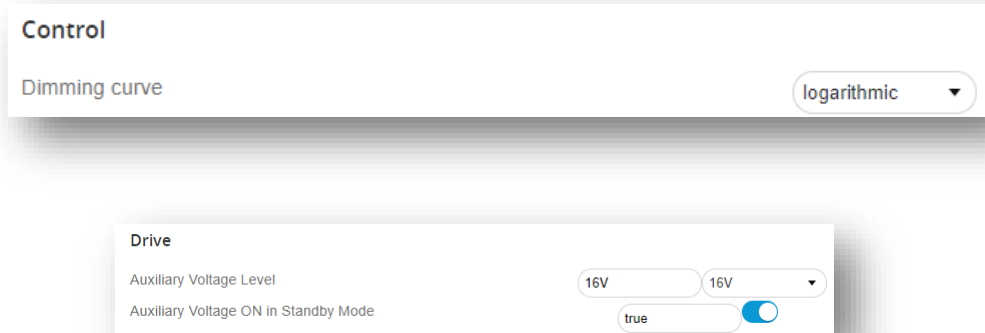
- DALI+ (**PURPLE**) and DALI- (**PINK**) will provide the DC DALI Bus power when DEXAL mode is enabled.
- Do not connect more than 4-drivers with DEXAL enabled and 5-drivers max to an AWN in a single fixture.



eldoLED 0-10V

Program Settings & Notes

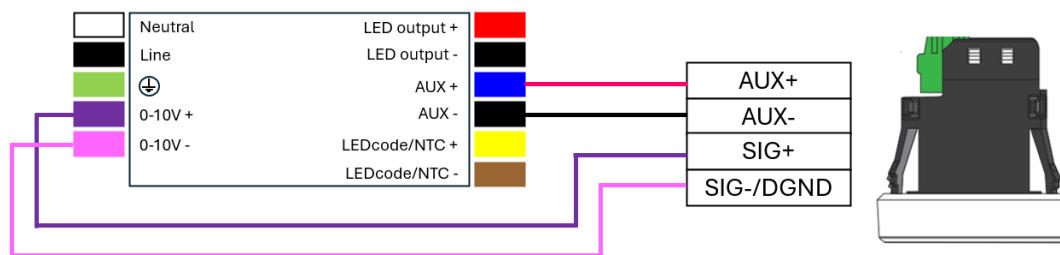
- In FluxTool, set dimming curve to **Logarithmic** for best dimming performance, **AUX voltage to 16V** (default for Medium Power AUX drivers), and **Auxiliary Voltage ON in Standby Mode**.



- Drivers with Medium Power AUX (4-24V DC, 100mA max) are sufficient to power AWN.
- Drivers with Fixed AUX (15.5-25VDC, 18mA max) are not sufficient to power AWN.
- Note:** for EM support with AWN, eldoLED Medium Power AUX drivers meet Lutron's AUX dropout time requirement of 4 seconds of AC power removed from the fixture and restores power to the node within 0.5 seconds of power being restored.

Wiring Diagram

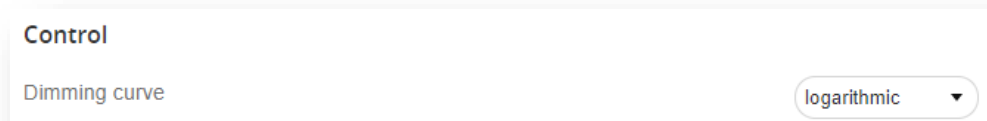
- AUX+ (**BLUE**) and AUX- (**BLACK**) will provide the DC Auxiliary output.
- Max of 5-drivers in a single fixture can be connected to an AWN, and only one AUX power should be connected.



eldoLED DALI-2 with Integral DALI Bus PSU

Program Settings & Notes

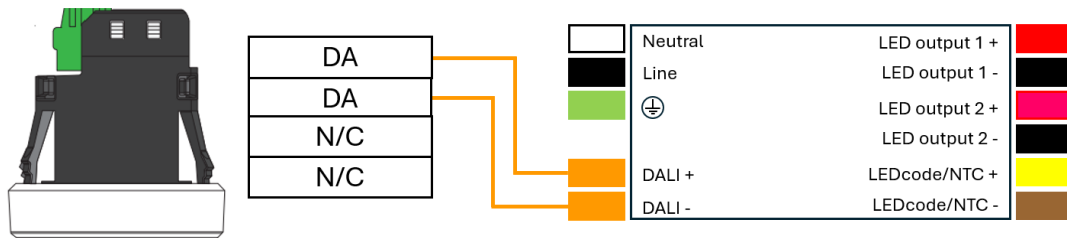
- In FluxTool, set dimming curve to **Logarithmic** for best dimming performance.



- Note:** eldoLED driver's DALI Bus power supply meets Lutron's dropout time requirement of 4 seconds of AC power removed from the fixture, and restores power to the node within 0.5 seconds of power being restored.

Wiring Diagram

- DALI+ (**ORANGE**) and DALI- (**ORANGE**) will provide up to 10V-22.5V, 46mA DC to power the DALI Bus.
- The driver's DALI Bus power supply cannot be disabled.
- Max of 5-drivers in a single fixture can be connected to an AWN



eldoLED DALI-2 without Integral DALI Bus PSU

Program Settings

- In FluxTool, set dimming curve to **Logarithmic** for best dimming performance



Wiring Diagram

- DALI+ (**ORANGE**) and DALI- (**ORANGE**) do not provide power to the DALI Bus.
- DFC-OEM-DBI is needed to power the DALI Bus for drivers without integral DALI Bus power supply.
- AUX outputs that are not integral to DALI+/DALI- are not DALI-compliant and not intended to power the DALI Bus.
- Max of 5-drivers in a single fixture can be connected to an AWN

