



PLANET  
LIGHTING



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# LED PUCK TUNABLE WHITE WIRING GUIDE

## READ BEFORE START

The following instructions are designed to help you ensure a safe and professional installation. Observe all the following steps.

### CONTENTS

This document contains 2 parts:

1. Warnings
2. Driver Details
3. Wiring Diagram
4. Installation Guide

### EQUIPMENT CHECKLIST

Some of the items you will need include:

- Snap Fix / Removal Tool (provided)
- Cable Snake

### GENERAL NOTES

All LED Pucks are factory tested for a minimum of 24hrs.

### CAUTIONS!

Observe the following cautions.









LED Puck TW is a Plug & Play system designed for ease of installation and maintenance.






## WARNINGS

### CAUTION!

Please observe all of the following cautions:

	LED Puck installation should be carried out by a licensed electrician <b>ONLY</b> .
	<b>DO NOT</b> undertake installation with driver powered.
	Ensure that wire insulation is not damaged on sharp internal burrs.
	Read and observe the precautions on your chosen led driver. Always consult the driver manufacturer or your distributor if you have any questions.
	<b>LED PUCKS WILL OVERHEAT AND MAY CAUSE DAMAGE</b> if kept running outside the rail continuously.
	<b>NEVER CONNECT (HOT PLUG) LED PUCKS</b> to a powered driver as this can damage LEDs.

	It is essential that you contact us at Planet Lighting <b>PRIOR TO INSTALLATION</b> if you choose to supply your own driver.
	Issues arising from a driver not supplied by us will not be covered under warranty.
	M5 Connection plugs must be aligned correctly before connecting. <b>DO NOT FORCE THE PLUG</b> . Follow the M5 connection procedure.

## DRIVER DETAILS

Drivers that are supplied by Planet will come pre-programmed with all parameters optimised for LED Puck TW.

### RECOMMENDED DRIVER (PREFERRED OPTION)

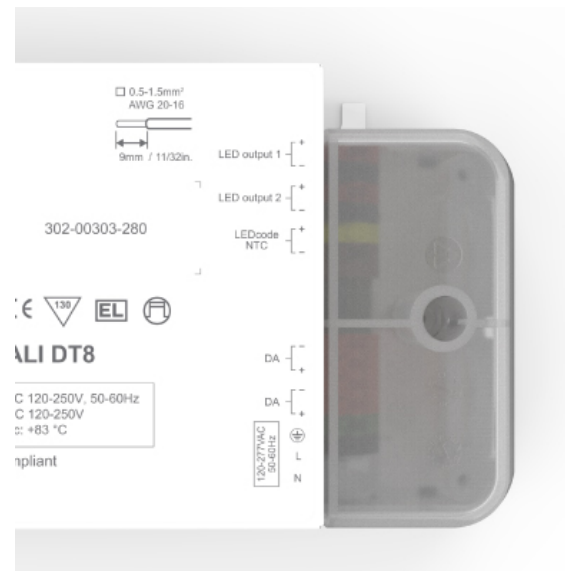
Planet Lighting recommends the following driver for LED Puck Tunable White (TW):  
eldoLED DUALdrive 562/A.

Driver details:

- High quality ELV 2 channel DALI2 DT8 driver (max output is 55VDC).
- Drives 1 to 15 TW Pucks, with smoothed logarithmic dimming curves, and programmable power scaling that enables full power for single colour temperatures without the risk of over-running with mixed colour temperatures.

### ALTERNATIVE DRIVER

If driving more than 15 Pucks off the one circuit is required the TCI DC MAXI JOLLY SLIM DALI TW 60 (DALI 2 DT8) can drive 8 to 30 TW Pucks. *However, care must be taken to stay above 8 Pucks, and limit total combined simultaneous current to 500mA.*



Recommended driver for LED Puck TW:  
eldoLED DUALdrive 562/A.



### SUPPLYING YOUR OWN DRIVER? (NOT RECOMMENDED)

It is essential that you contact us at Planet Lighting if you are supplying your own driver. Note, damage arising from supplying your own driver will not be covered under warranty.



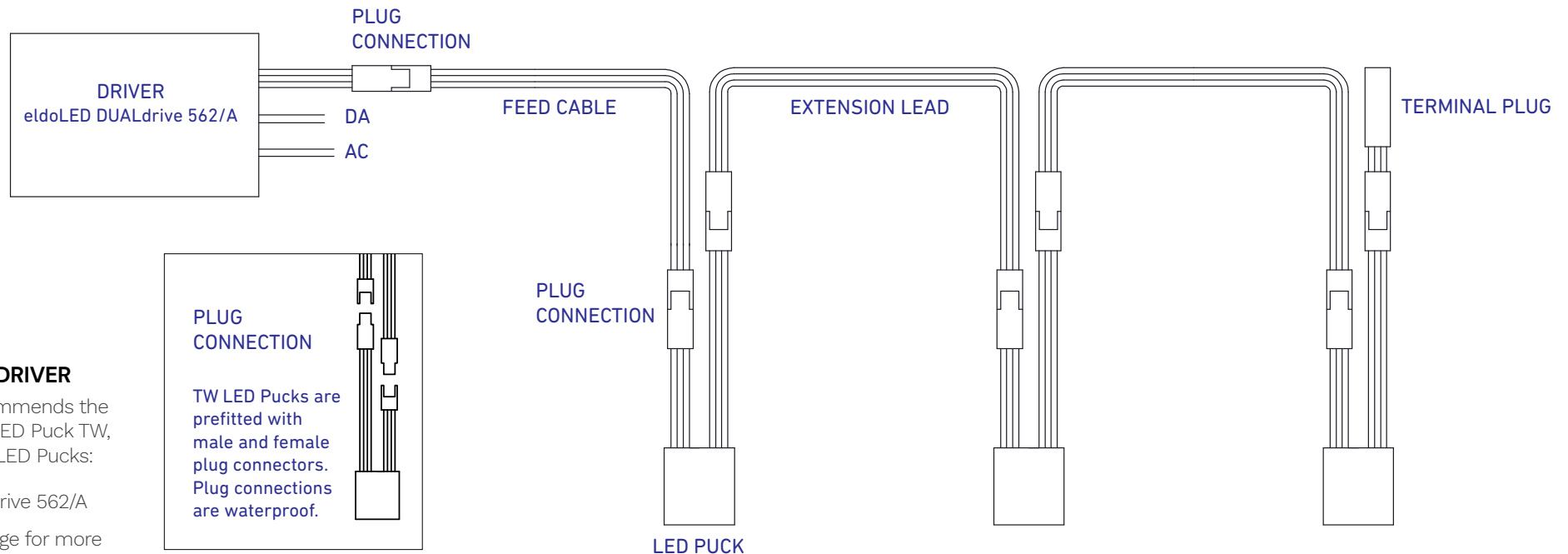
**Issues arising from a driver not supplied by us will not be covered under warranty.**

## WIRING DIAGRAM



LED Puck Tunable White is a Plug & Play system designed for ease of installation and maintenance.

DRIVES 1 TO 15 TW LED PUCKS



### RECOMMENDED DRIVER

Planet Lighting recommends the following driver for LED Puck TW, which drives 1 to 15 LED Pucks:

1. eldoLED DUALdrive 562/A

See driver details page for more details.



**LED PUCKS WILL OVERHEAT AND MAY CAUSE damage if kept running outside the rail continuously.**



**NEVER CONNECT (HOT PLUG) LED PUCKS to a powered driver as this can damage LEDs.**



## INSTALLATION GUIDE

### 1. RUN CABLES

1.1 Run the first feed cable to the first hole (from cable entry point end/driver end).

1.2 Run an extension lead from each hole to the adjacent hole.

*NOTE! After running the cable, each hole should have one male and one female plug ready for the next step.*



**Be careful that the CABLE insulation is not damaged on sharp internal burrs**



**DO NOT undertake installation with driver powered.**

## 2. PLUG IN

**NOTE!** NEVER CONNECT (HOT PLUG) LED PUCKS to a powered driver as this can damage LEDs.

**NOTE!** Driver attached plugs come pre-installed when the TW driver is supplied by Planet Lighting.

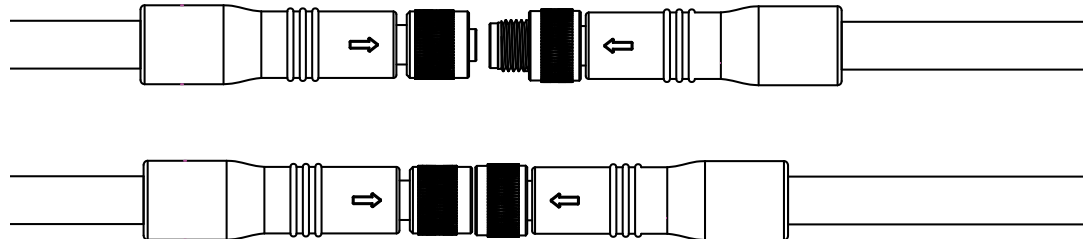
2.1 Ensure driver is powered OFF.

2.2 For each hole, plug in an TW Puck, connecting male to female, and female to male plugs.

2.3 Connect the TERMINAL PLUG to the loose cable on the last TW PUCK.

### CORRECT M5 CONNECTING PROCEDURE:

1. Align the arrows as shown.
2. Gently connect the connectors with light finger pressure only, if there is any resistance, check arrow alignment – do not force!
3. Gently screw together the threaded sleeve with light finger pressure only.
4. Test that the connection is screwed in place by gently pulling the connectors apart.



**M5 Connection plugs must be aligned correctly before connecting. DO NOT FORCE THE PLUG. Follow the M5 connection procedure.**



**NEVER CONNECT (HOT PLUG) LED PUCKS to a powered driver as this can damage LEDs.**



## 3. CHECK & TEST

*NOTE! DO NOT keep LED Pucks running continuously outside the rail as they will overheat and may be damaged. Ensure the test duration is short.*

*NOTE! ONLY ONE temp channel at a time should be tested. DO NOT test all channels at once or it may lead to overheating.*

Check and test the system outside the rail as follows:

3.1 Ensure all plugs are connected, and the feed cable is connected to the driver.

3.2 Apply power to the driver.

3.3 Check that ALL the LED Pucks are responding to the DALI. Ensure to test only one temp channel at a time (Cool white or warm white), as LEDs can overheat outside of the rail.

3.4 Disconnect power and go to the next step.



**ONLY ONE temp channel at a time should be tested. DO NOT test all channels at once or it may lead to overheating.**



**LED PUCKS WILL OVERHEAT AND MAY CAUSE damage if kept running outside the rail CONTINUOUSLY.**



## 4. INSERT LED PUCKS

**NOTE!** *Perform this step with the driver OFF and power disconnected.*

**4.1** Push the LED Pucks into the tube. The Pucks should snap firmly and securely into place.

**4.2** Ensure correct alignment of LED Pucks. If not use the Snap Fix / Removal tool to correct alignment, taking note to avoid scratching the lens.





## 5. FINAL TEST

5.1 Apply power to the driver.

5.2 Check that ALL LED Pucks are illuminated as per the DALI input signal.