

# JumpLights



## How to Program a uPowerTek LED Driver for your Catalyst™



Call 301-244-8419 for assistance

Designed, Assembled, and Tested in the USA 



## — Before You Begin

All uPowerTek LED drivers supplied by JumpLights for Catalyst™ Under Canopy Lights come pre-programmed according to your specific power requirements. However, you may use the included programmer to adjust or reprogram a driver if needed.

### Each driver can be programmed in one of two ways:

- **Individually (not installed on a Catalyst):** If the LED driver arrives separately in a pallet or box and is not pre-installed on a Catalyst, it must be programmed individually.

**Note: Step 12 is required for individual programming**

- **While installed on a Catalyst:** If the driver is already pre-installed on a Catalyst, you can program it by disconnecting the dimmer cable (the one with the blue ring) before proceeding.

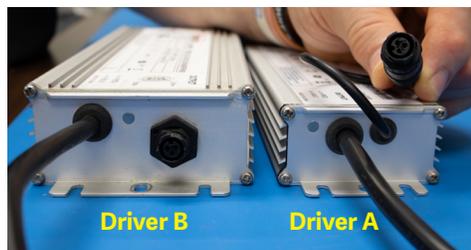
**Note: Step 12 should be disregarded if your LED driver is pre-installed on a Catalyst**

### **Note: There are two types of dimming interfaces depending on your driver:**

- **Driver A:** A dimming input cable (with a female connector)  
Model number ending in: **-B00000**
- **Driver B:** A dimming panel mount port (built into the driver housing)  
Model number ending in: **#FNFN00**

Your programmer connects to either version.

Look for the step variations labeled “Driver A” and “Driver B” throughout this guide.



## STOP HERE



**IMPORTANT: Before starting, disconnect all power going to the Catalyst.**



## Programming the uPowerTek Driver

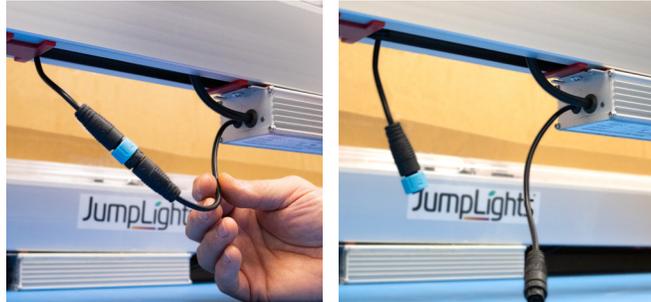
### Step 1:

If your driver is installed on a Catalyst fixture, disconnect the Catalyst dimmer cable (with the blue ring) from the driver before programming.

**Driver A** (with dimming cable): Twist and pull the blue connector apart from the driver cable.

**Driver B** (with dimming port): Twist and pull the blue connector out of the port.

**Note:** If your driver is not mounted on a Catalyst, skip this step and proceed to Step 2.



Driver A is pictured for this demonstration.

### Step 2:

Download and install the uPowerTek programming software provided by the JumpLights team.



### Step 3:

Connect the programmer to your computer using the included USB cable. Open the uPowerTek software and select "Cable Programmer" as the connection type. The uPowerTek software will open and the programmer will flash a blue light.



### Step 4:

Plug the programmer's male output cable (with the blue ring) into the female dimming interface on the driver.

**Driver A** (with dimming cable): Align the detents on the driver's cable and the programmer cable, then twist to connect securely.

**Driver B** (with dimming port): Align the detents on the programmer cable with the dimming panel mount port, then insert and twist until fully seated.



Driver A



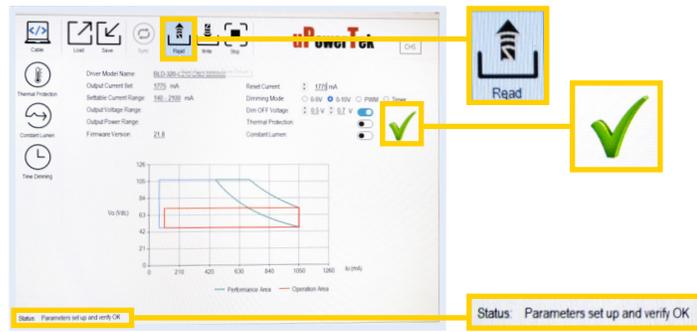
Driver B



**Step 5:**

In the uPowerTek software, click **“Read”** at the top of the screen to view the current driver specifications.

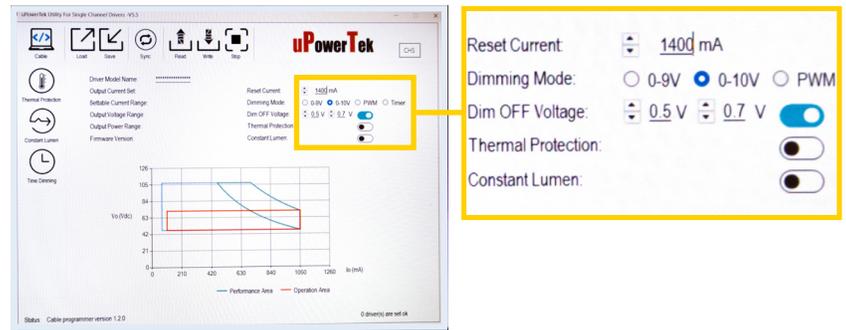
- You should see a **green checkmark** and the message: **“Read LED driver parameters OK”** on the bottom of the screen.



**Step 6:**

In the software:

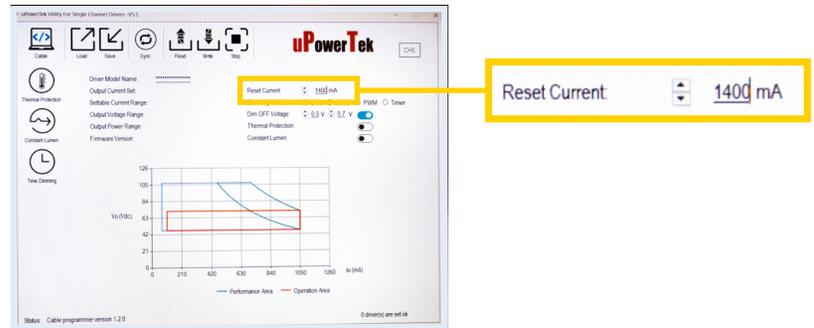
- Set the **Dimming Mode** to **“0-10V”**
- Ensure **“Dim OFF Voltage”** is enabled (highlighted).



**Step 7:**

Set the **“Reset Current”** based on system voltage:

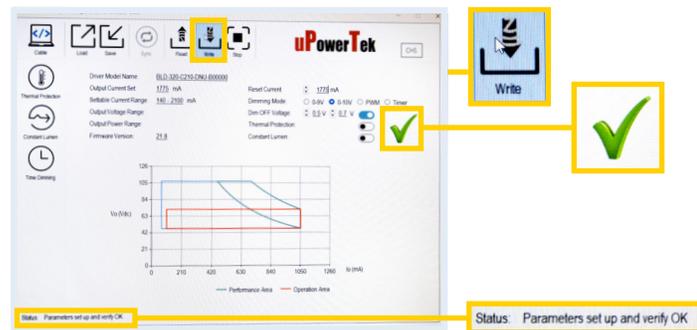
- 1400mA for Low Voltage (260W)
  - 1775mA for High Voltage (340W)
- or other if specified in your lighting plan*
- To change the current value, delete the existing number and enter your desired value.



**Step 8:**

Click **“Write”** at the top of the screen.

- You should see a **green checkmark** and the message: **“Status: Parameters set up and verify OK”** on the bottom of the screen.

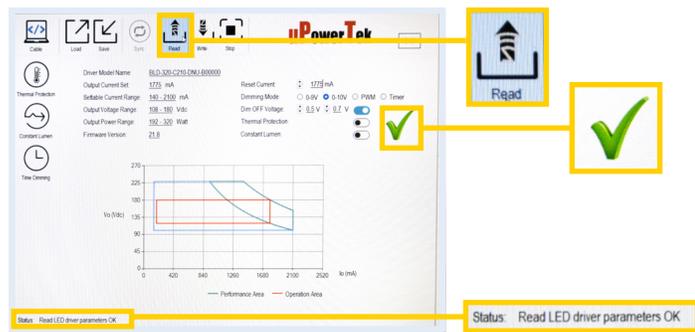




**Step 9:**

Click "Read" at the top of the screen to view the new specifications of the driver. Ensure the new Current value is set to your desired value.

- You should again see a **green checkmark** and the message: "Read LED driver parameters OK" on the bottom of the screen.



**Step 10:**

Close the uPowerTek software and disconnect the programmer cables from the computer and the driver.

**Step 11:**

Reattach the Catalyst dimmer cable with the blue ring to the driver.

**Driver A:** Align and twist the connectors to secure.

**Driver B:** Align and twist the connector back into the driver's dimming panel mount port until fully seated.

Place the cables back into the bottom of the Catalyst.



**Step 12:**

**Note:** This step is only needed if the driver is not pre-installed on your Catalyst.

If the LED driver is not installed on a Catalyst, you may now install it.

Refer to Section 2 of the Catalyst™ Assembly Guide.



**Congrats! Your uPowerTek Driver is Programmed!**  
**For additional assistance, call 301-244-8419**