

uPowerTek
LED Driver Programmer

Model: UPRG-CBL

Cable Programmer Product

uPowerTek



1pcs of cable programmer

1set of adaptor

- used to connect programmer with LED driver

1pcs of cable

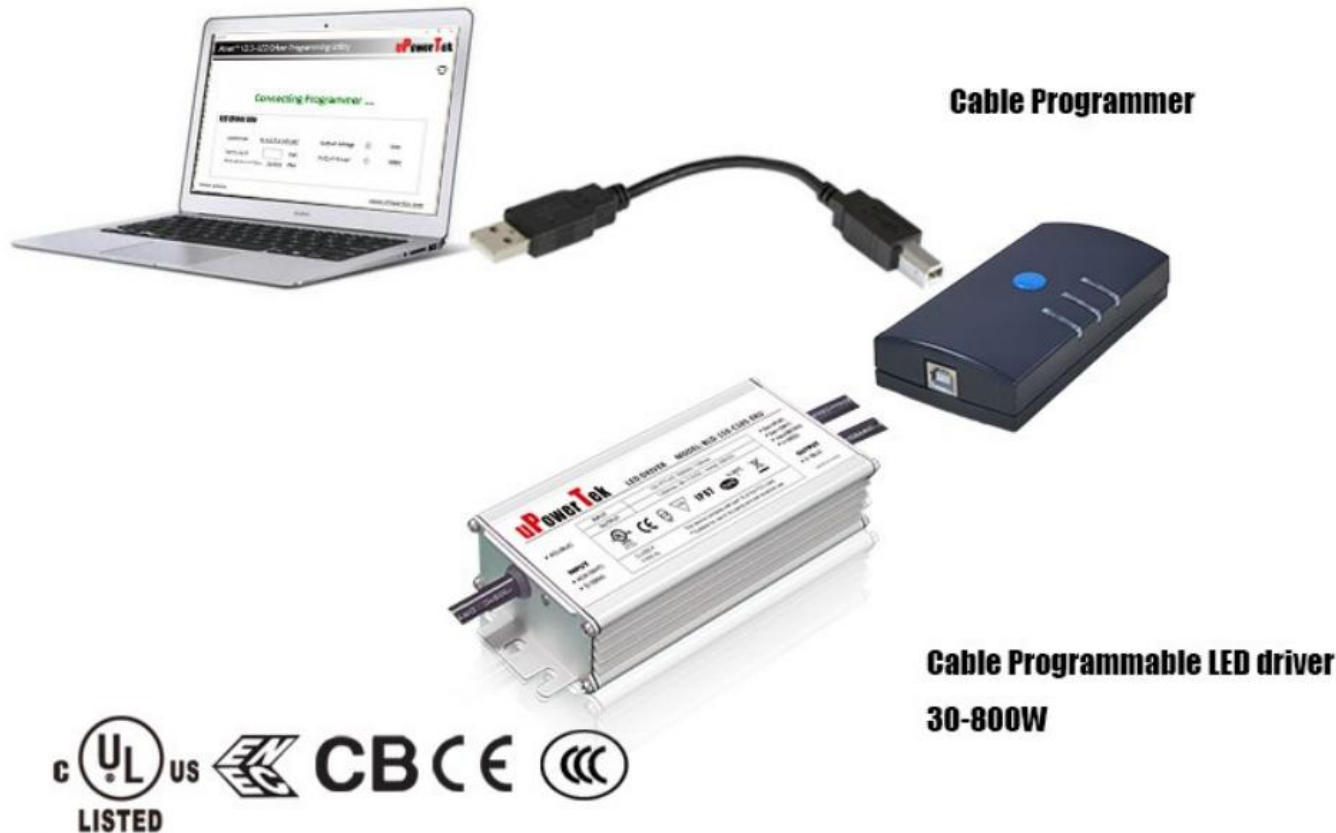
- used to connect PC and programmer

Packing Size: 190mm L x 140mm x 35mm

Net Weight: 0.2kg/set

Cable Programming System

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◆ **Programmability:**

Either the output current or the timing scheme can be set by PC software or programmer

◆ **Adjustable Current with Constant Power**

This allows user to decrease the output current setting without sacrificing the output power capability

◆ **Timing Scheme**

This allows user to set the timing profile of LED driver (Available in Next Version Software)

◆ **USB Port**

USB connector for communication with host PC and demonstration board powering

◆ **No Cryptographic**

No cryptographic capability, no registration needed, to download the software and use freely.

◆ **System requirements**

Windows PC (2000, XP, Vista, 7, 10)

FCC and IC compliance statements

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This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference;
- (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC ID: YCPDEMOOCR95HF

This device complies with Industry Canada licence-exempt RSS standard(s).

Operation is subject to the following two conditions :

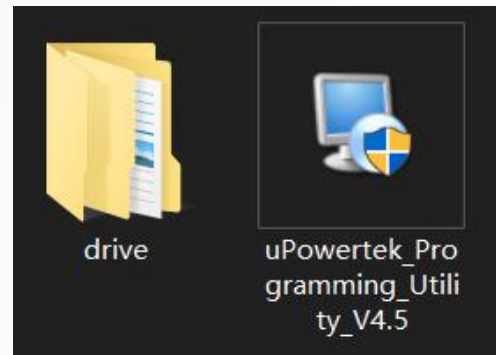
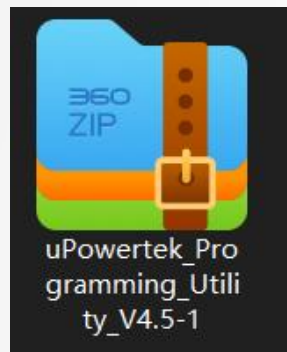
- (1) this device may not cause interference;
- (2) this device must accept any interference, including interference that may cause undesired operation.

IC ID: 8976A-DEMOOCR95HF

Operation Manual

Download and Install Software

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1. Download the PC Software at <https://www.upowertek.com/download-2>
2. The programming software is “uPowerTek-Utility-For-LED-Drivers-V7.1.1”
3. Click the software and install the software on the PC

The software is compatible with Wondows 7/8/10 System

Wiring

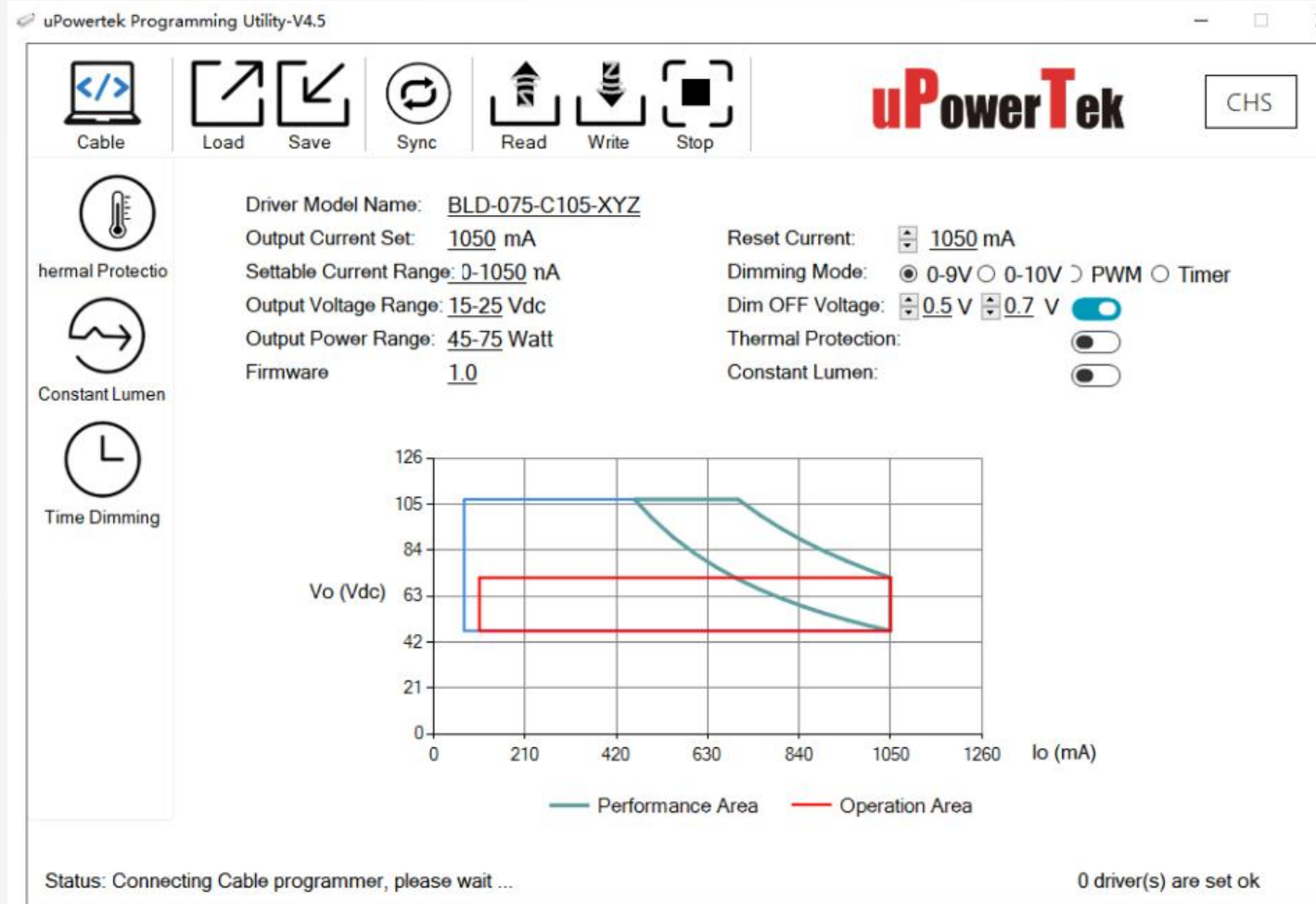
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- ◆ Connect the programmer to computer by USB cable
- ◆ Connect the dimming wire +(Purple) and – (Gray) of the LED driver to the cable programmer (Red +, Black -)

Open Software

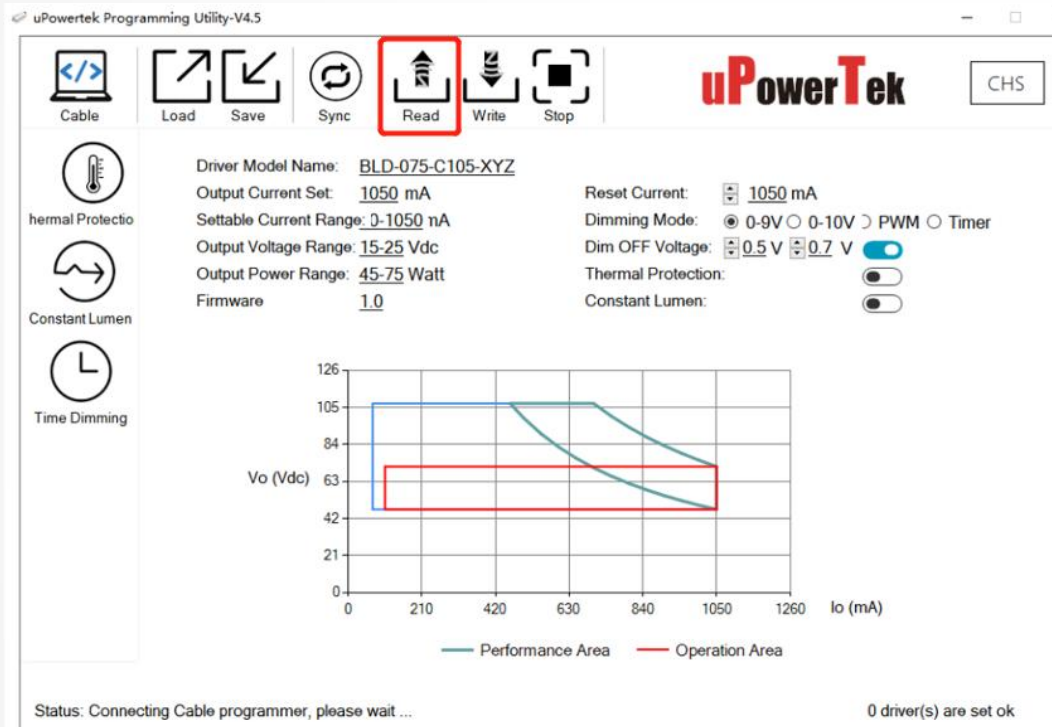
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Read the Spec of the LED Driver

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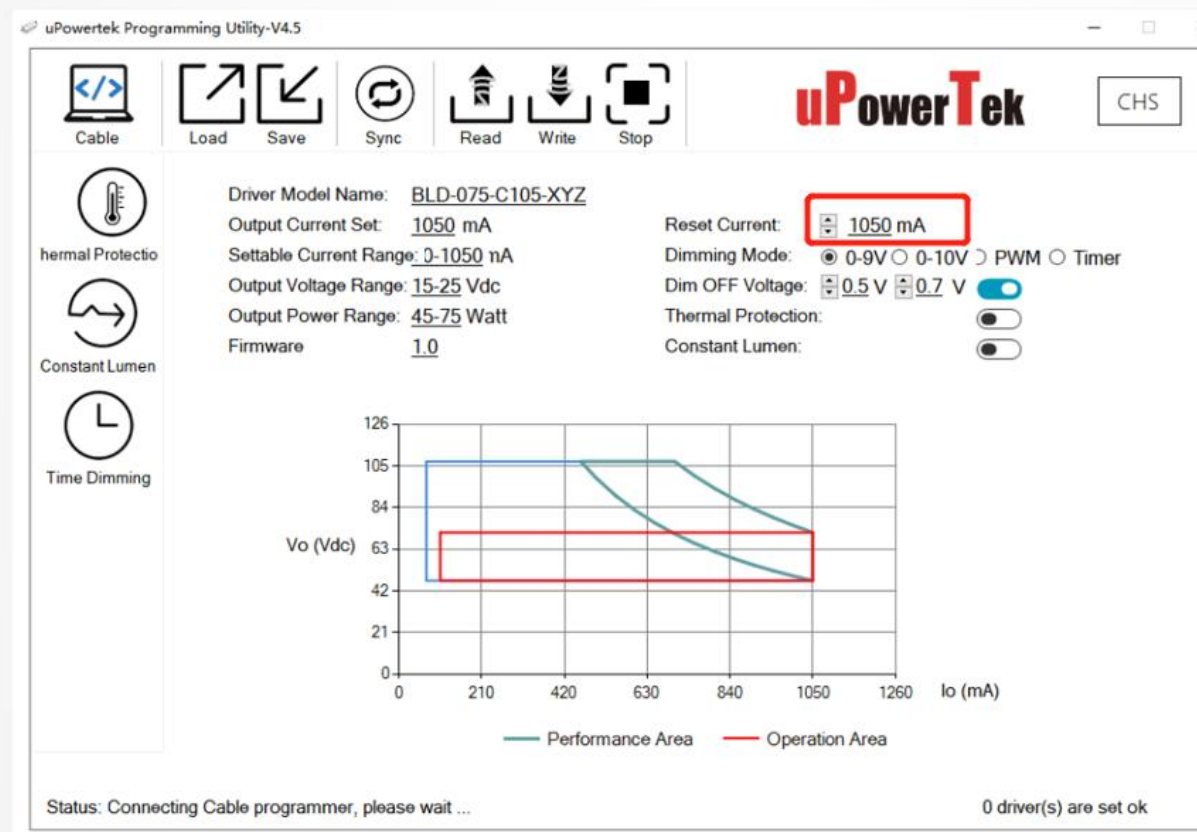
- Click “Read” button, there will be a green check mark after the operation.
- Then the software will show the correct model number and output current.
- Click Stop button after reading Ok.



Set Output Current



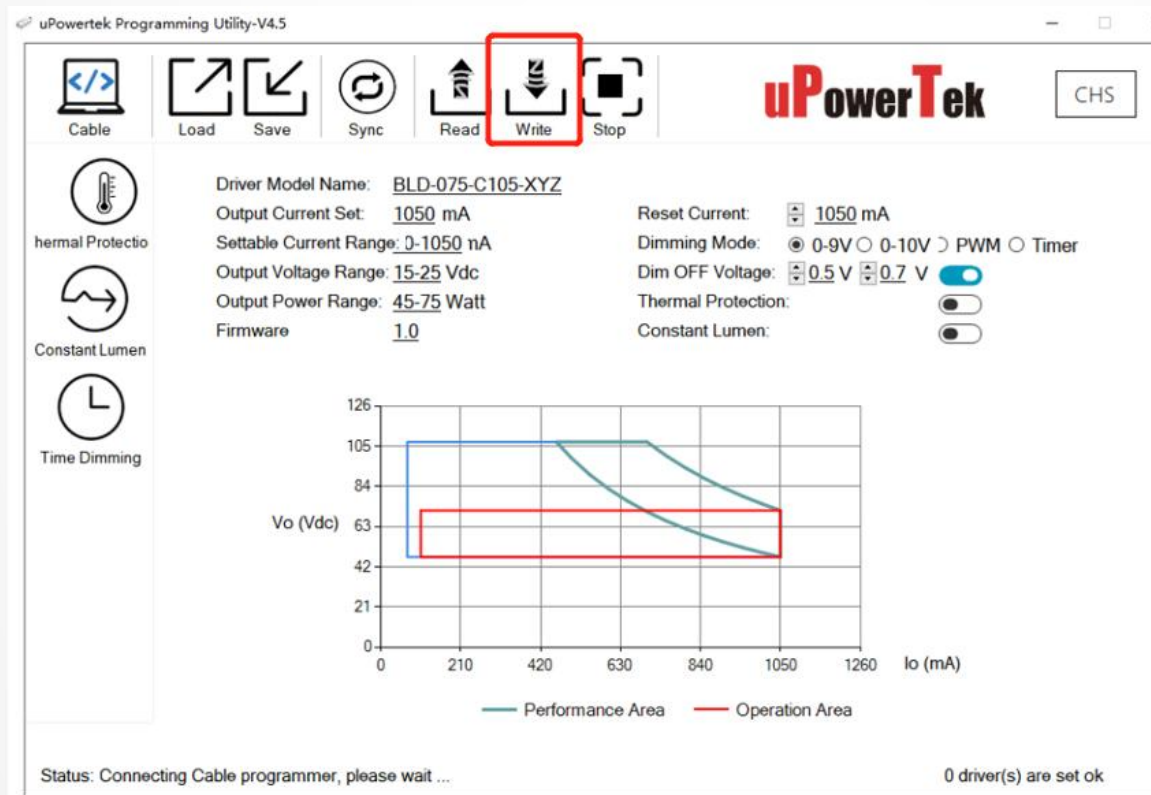
- Set the output current in the “Reset Current” function area



Write the Spec

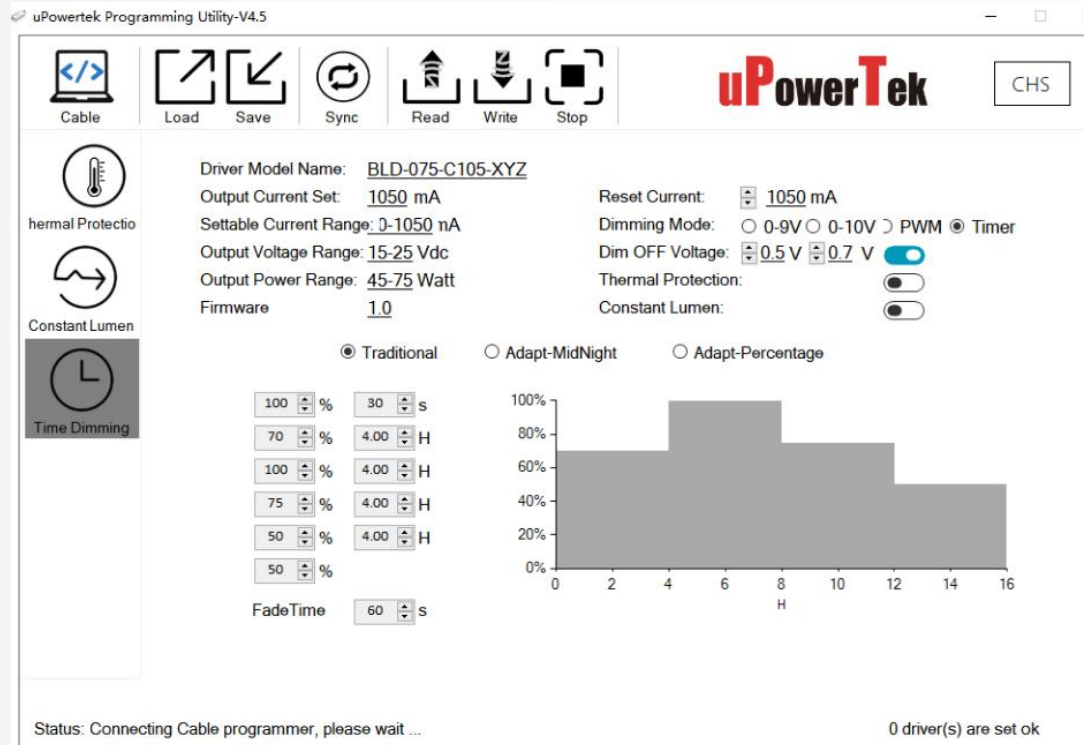


- Click “Write” button and complete the programming.
- If there are lots of drivers need to be set, disconnect the wire and connect another LED driver, then click “Write” button



Optional Function: Timer Dimming Setting

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- Click Time Dimming button on the left menu, Reset Current and choose Timer dimming mode,
- Set the output current percentage and Time, then click "Write" button.
- There will be a to indicate that the programming is done and Ok.

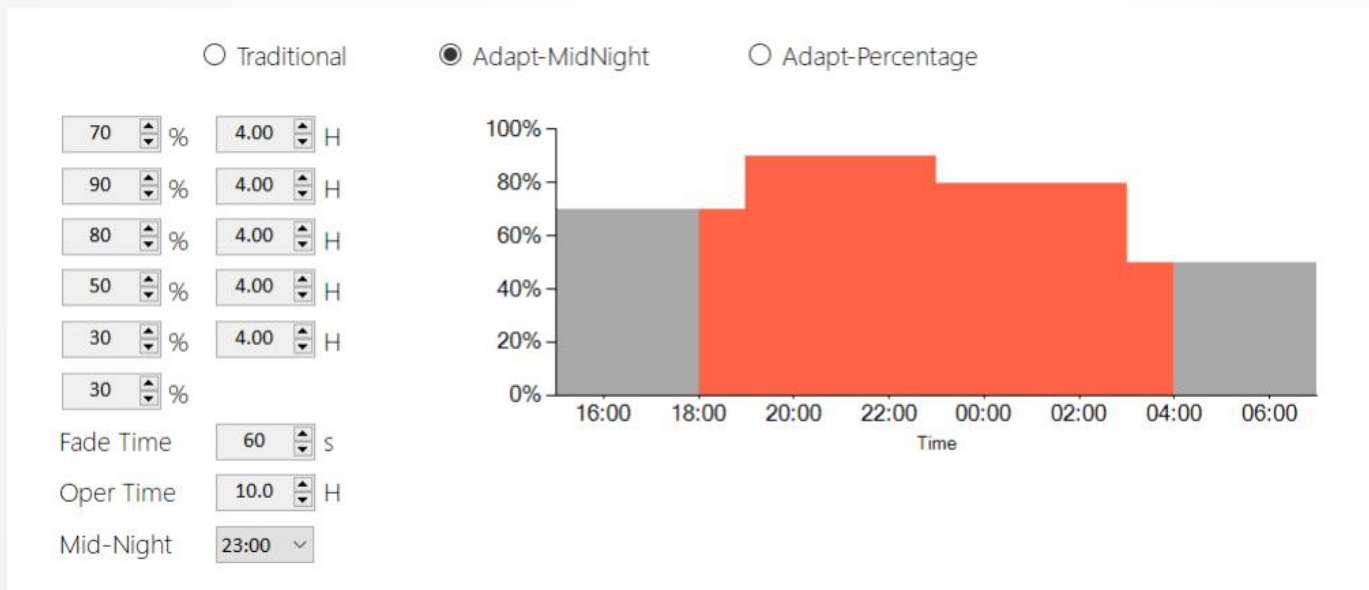
Tips: AC power must be cut off during days to apply the same dimming curve each night.

Optional Function: Timer Dimming-Self Adapt

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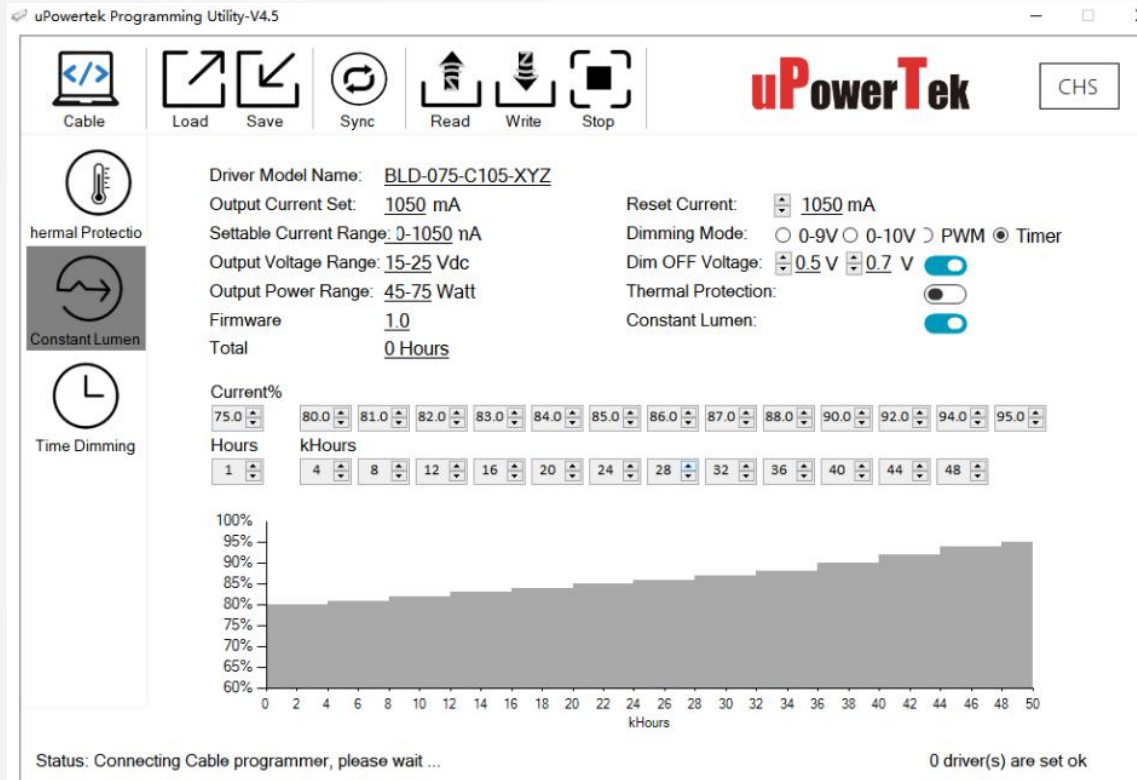
- ◆ Adapt-Midnight or Adapt-Percentage function is used to balance the dimming curve between different seasons.
- ◆ The LED driver auto adjusts the dimming curve based on the lights on time in the last day.

The data will not be calculated If the lights on time is less than 6 hours.



Optional: Enable CLO Mode

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- ◆ Click Constant Lumen Menu
- ◆ Enable Constant Lumen Output
- ◆ Set the Parameters, then Click WRITE Button.

Reset Timer: Reset CLO Time to 0 Hour

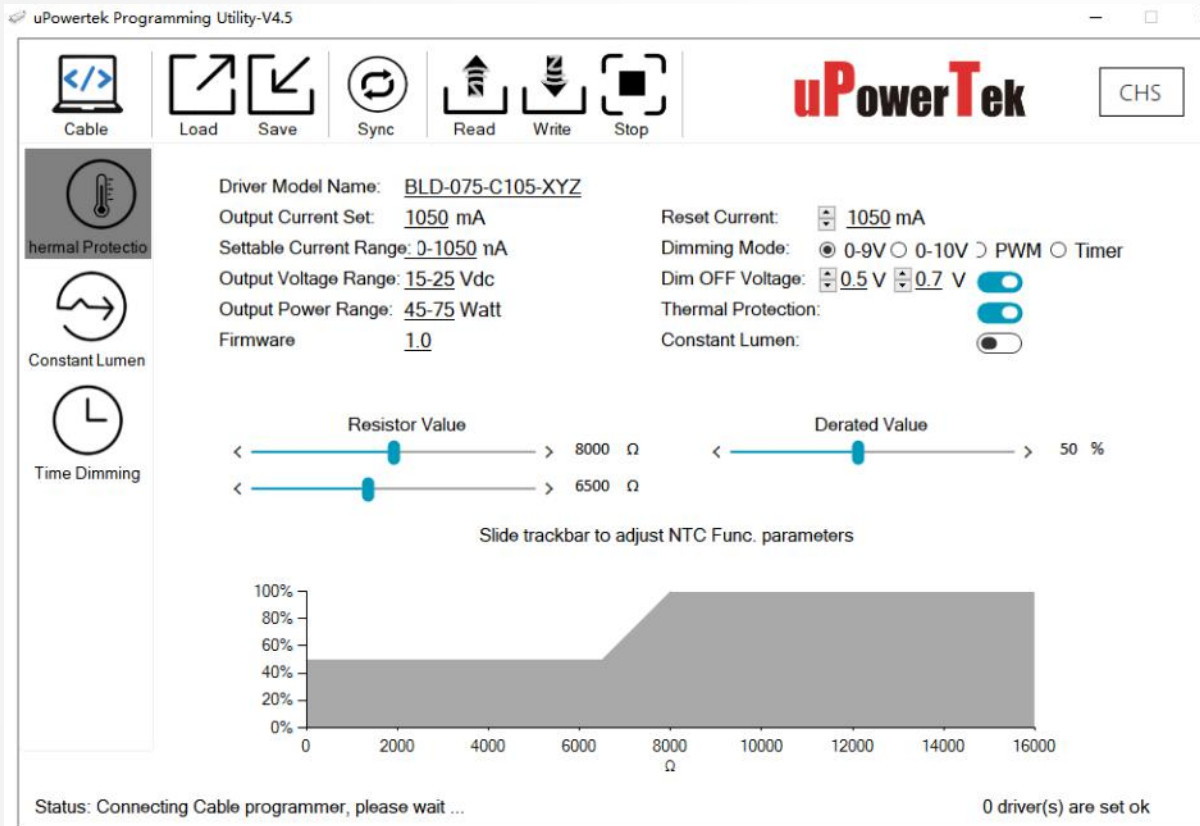
Current %: Output current percentage of the setting current

Hours: Working hours.

Take this setting for example, Output current is 75% for the first 1hour (for testing), it is 80% for the next 4K hours, then 81% for the 4K hours. Maximum 50K Hours.

Optional: External Thermal Protection

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- ◆ Click Thermal Protection Menu
- ◆ Enable Thermal Protection
- ◆ Set the Parameters
- ◆ Click WRITE Button.

This function is only available for LED drivers which has lamp OTP function