Quick Guide for Programmable Driver Configuration

Attention:
Please use the TPSB-100A cradle to configure compatible ThoroLED programmable drivers.
TPSB-100A can't be used to configure ThoroLED NFC programmable drivers.
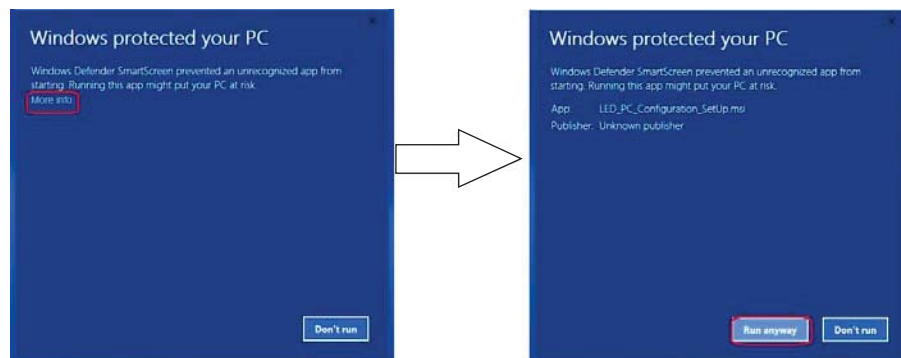
Compatible LED Drivers

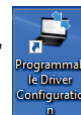| LED Driver Part#	LED Driver Description	Programming Tool
T1M1UNV260P-85L	85W, 860mA-2600mA	TPSB-100A
T1M1UNV105P-30L	30W, 350mA-1050mA	TPSB-100A
T1M1UNV140P-50L	50W, 470mA-1400mA	TPSB-100A

Software installation

Required:

- Microsoft .NET Framework 4.0 runtime
- FTDI D2xx Driver - CDM v2.12.24 or above
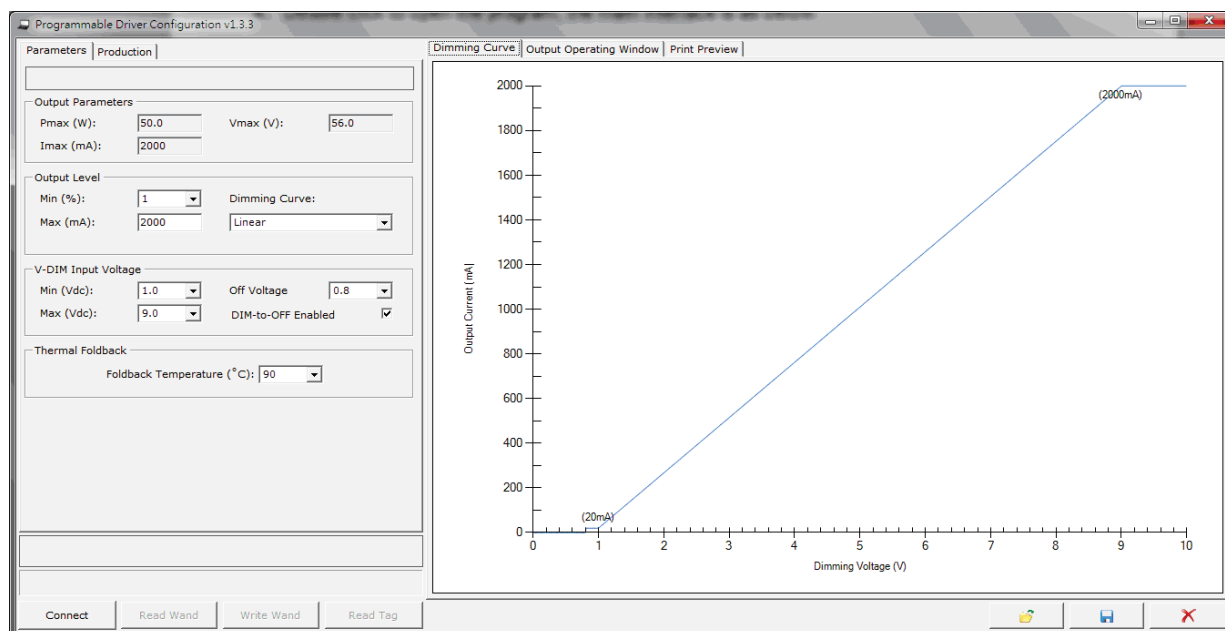- ProgramDriverConfig (LPL) v1.3.3 (20181224A).msi

1. Locate the installer named "ProgramDriverConfig (LPL) v1.3.3 (20181224A)" and double-click to run. The default install directory is C:\Program Files(x86)\LPL\. The software installation may be interrupted by Windows Defender Smart Screen. If this happens, press the icon "More info" and then "Run anyway" to skip the checking.

2. After installation, the icon "Programmable Driver Configuration" will be automatically added to the desktop.

Fulham Co. Inc.: 12705 South Van Ness Ave., Hawthorne, CA 90250 Tel.: 1-323-779-2980 Fax.: 1-323-754-9060. order@fulham.com www.fulham.com
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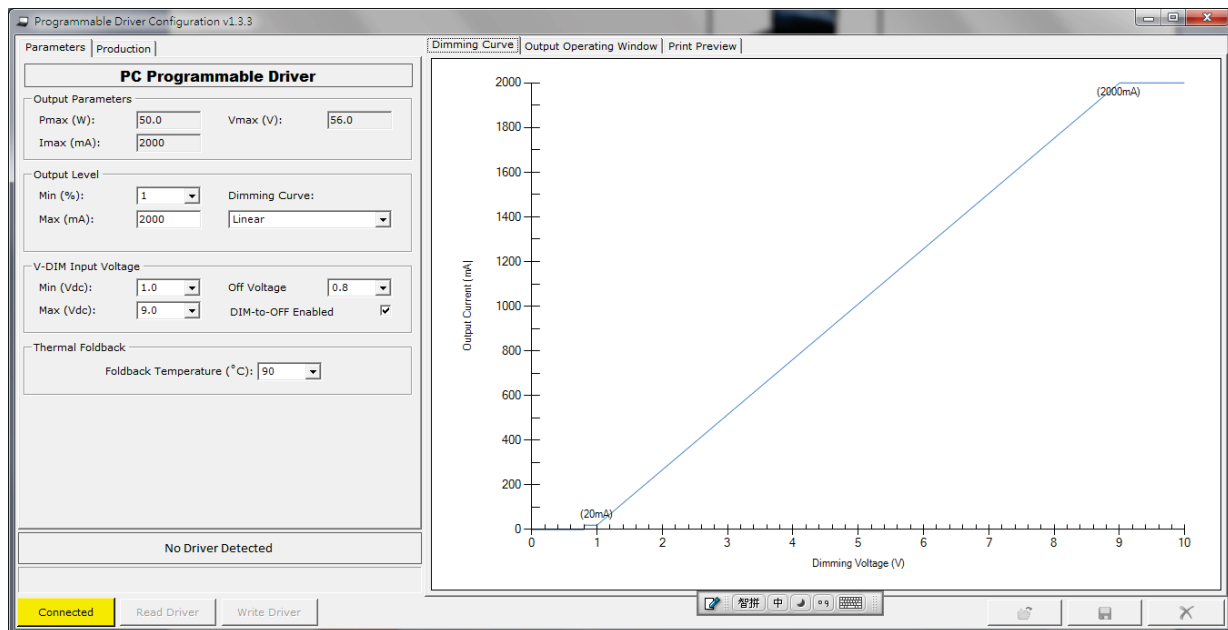3. Double click to open the program, the main interface is as below:

Connection

1. Connect the cradle to computer by "Micro-USB" cable. Place the driver on cradle, make sure driver's "BTN", Aux 120Vdc (+) and RTN terminals are connected to the pins of the cradle.

Programming Connection Diagram

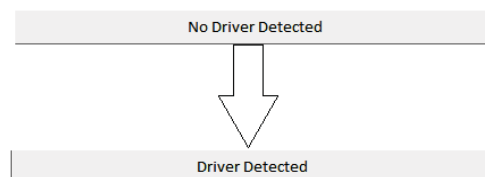|	
BTN	
Aux 120Vdc	USB Cable
RTN	

For some special PC programmable driver, additional adaptor on cradle is needed to fit for special connection style.

2. Press " Connect " button to start the program. If the program is successful connecting the cradle, the button will change to Connected . Otherwise, it will not change, please check for USB connection.
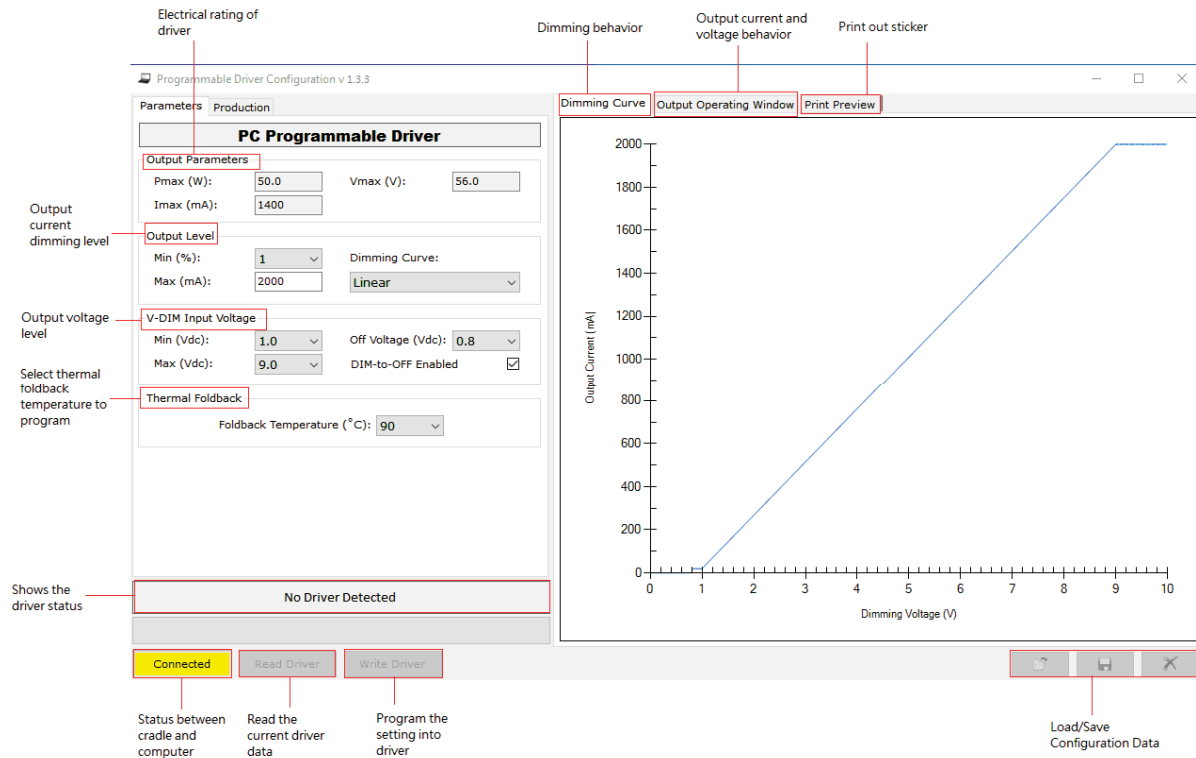

Cradle connection success

Remarks: User can disconnect the Cradle by press Connected again, the button will turn grey.

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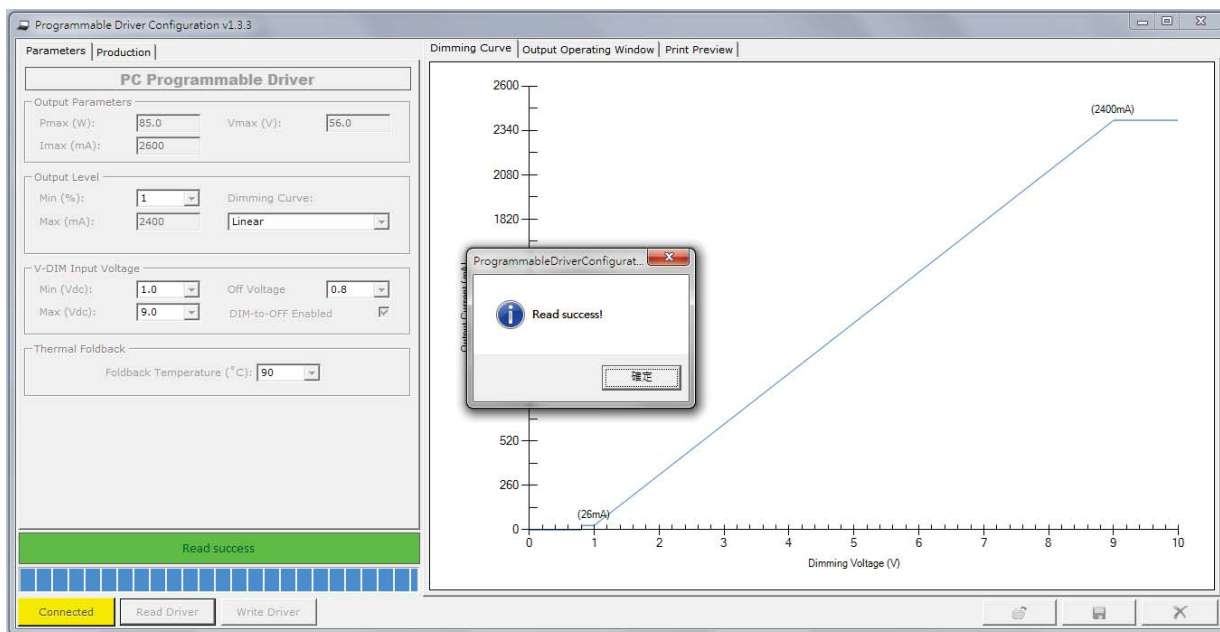Page 3 of 7

Programmable Software Features

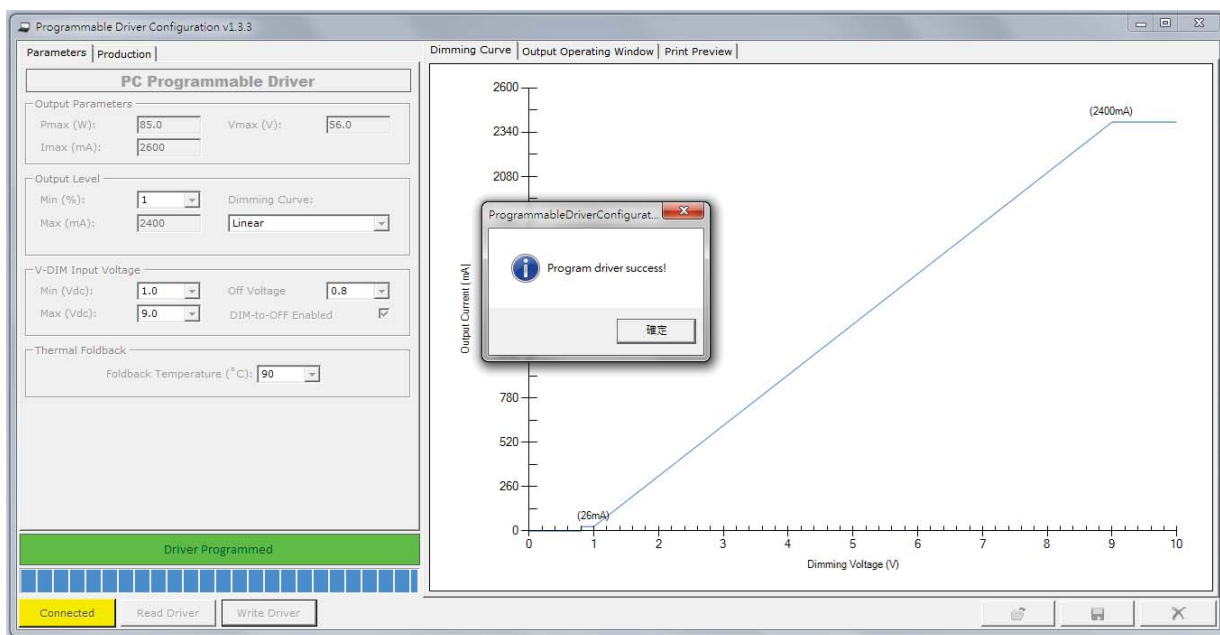The following parameters can be configured by user:

- Minimum output current percentage (1, 3, 5, 7, 10)
- Maximum output current
- Dimming Curve (Linear, Log, Inverse Log, Square-law)
- Minimum dimming voltage (1, 1.5, 2.0)
- Maximum dimming voltage (7.0, 8.0, 9.0)
- Off Voltage (0.8, 1.0, 1.2)
- DIM-to-OFF feature
- Thermal Foldback Temperature (75, 80, 85, 90) °C

Read / Write the LED driver

During connecting the driver, press "Read Driver" to read out configuration of the driver, pop-up message displays if success:
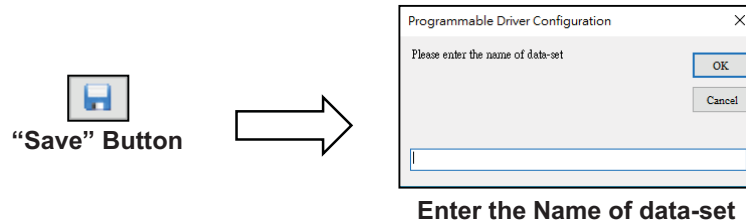

During connecting the driver, press "Write Driver" to configure the driver with displayed parameter, pop-up message displays if success:

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Load/Save Configuration Data

i . To save the configuration data in the computer, press "Save" button and then enter the name of the data-set

"Save" Button

Programmable Driver Configuration

Please enter the name of data-set

OK

Cancel

Enter the Name of data-set

ii . To load the configuration data from the computer, press "Load" button and then select the name of the data-set

"Load" Button

List of Data

M1P1O33R2000L112
M1P1O50R2000

OK   Cancel

Select data-set to load data-set

iii . To remove the configuration data from the computer, press "Delete" button

"Delete" Button

List of Data

M1P1O33R2000L112
M1P1O50R2000

OK   Cancel

Select data-set to remove data-set

Production / Print Preview

User can configure the driver parameter and create the sticker with serial number for labeling and tracking. Further customization is available upon request.