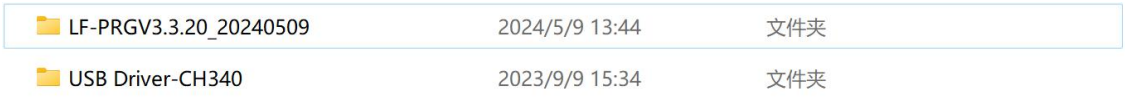
Contents

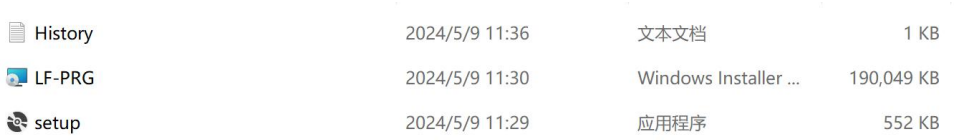
I. Introduction of software operation

1.1 Download the installation package

Download the installation package through our official website https://www.ledfriend.com/companyfile/6/, and then unzip and open the folder. The contents of the unzipped folder are as shown below.

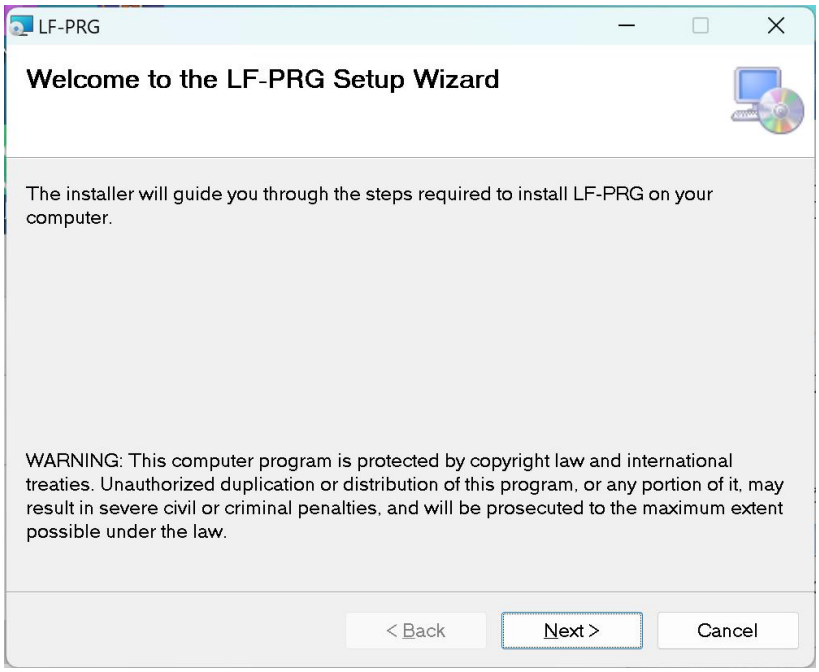


Open the folder LF-PRGV3.3.20_20240509. The contents of the folder are as shown below.

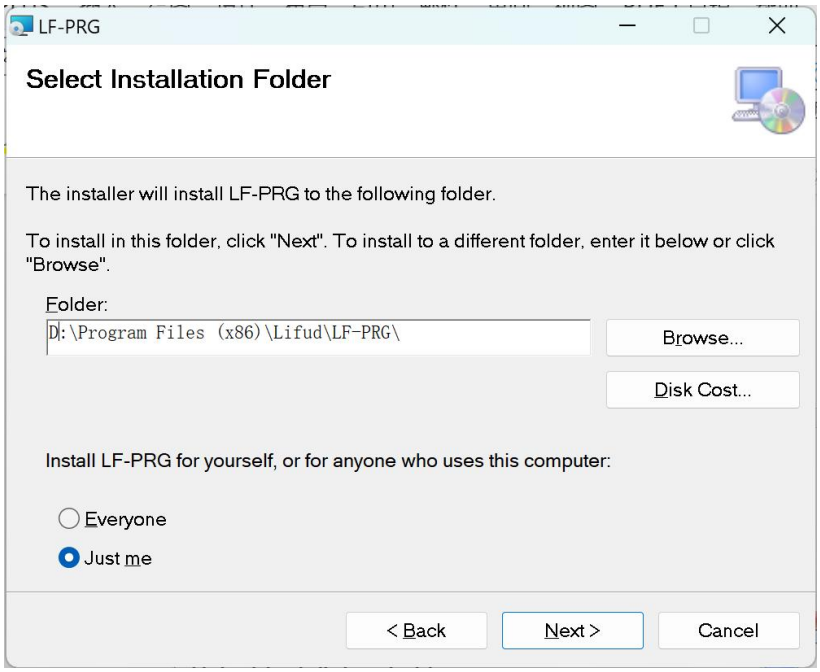


1.2 Install the software

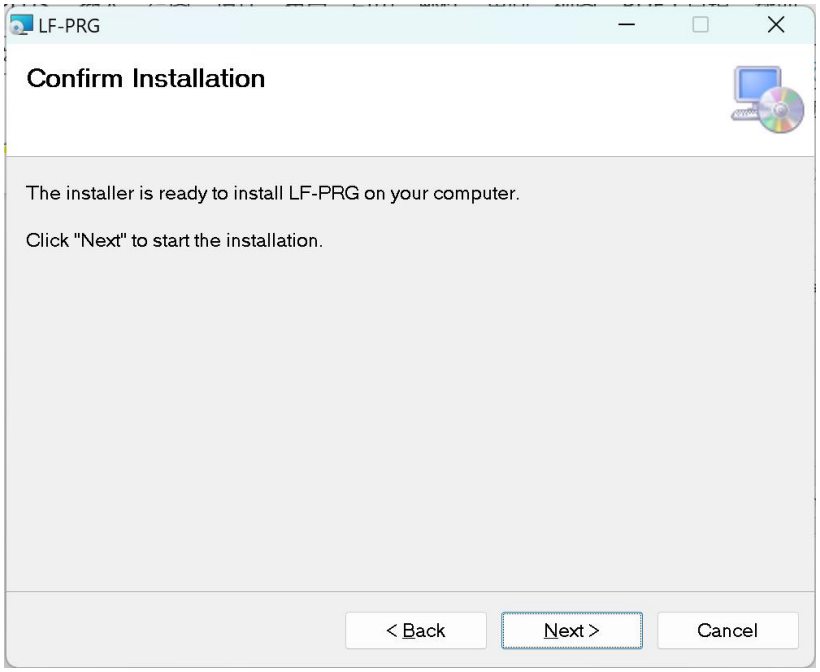
Double-click the setup.exe setup to open the installation wizard and start the installation.



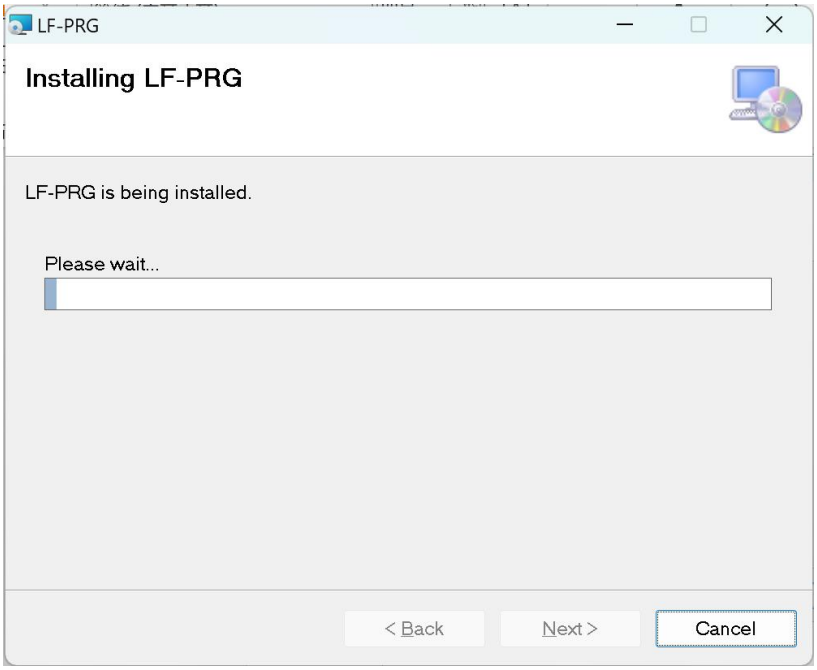
Click “Next”.



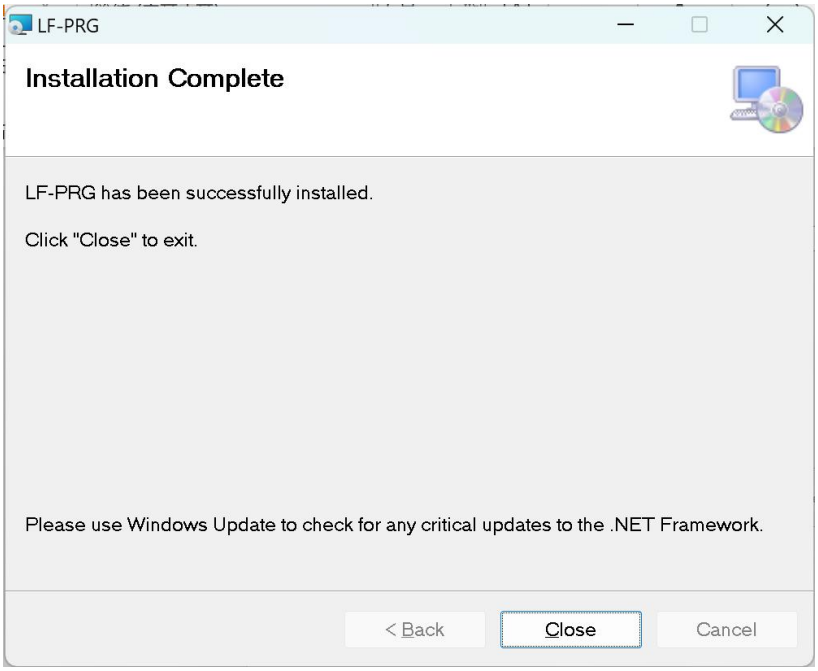
Click "Browse" to customize the installation path. Click "Next" and the following interface will appear:



After clicking “Next”, wait for the installation to complete and the following interface will appear.



When the installation is done, the interface displays as follows:



After the installation is completed, a shortcut to the LF-PRG software

will appear on the computer desktop.

1.3 Connect to the device

Connect the Lifud programmer (LF-SCS080C) to the USB interface of the computer.

Note: Please refer to the product specifications for details of the wiring between the parameter setting box and the driver for different products.

Double-click the LF-PRG shortcut 

to start running the software.

After opening the software and entering the main page, the connection will be automatically made.

After the connection is successful, the green icon Connect Success will be displayed.

If the connection fails, the red icon Connect Fail will be displayed.

Note: Possible reasons for connection failure:

① The parameter setting box is not connected properly - recheck the connection

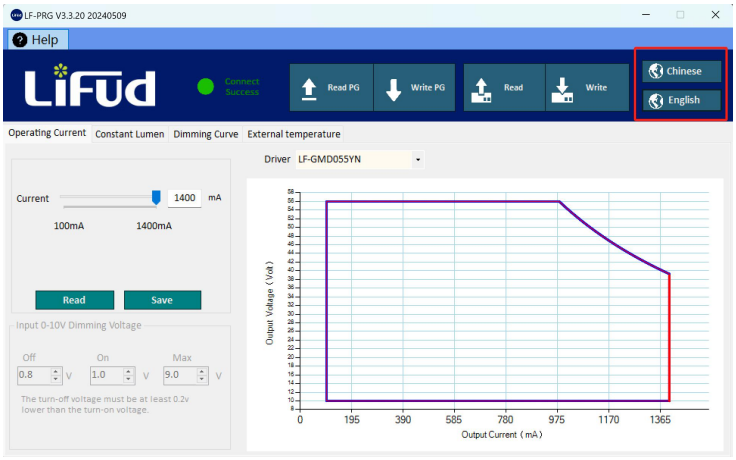
② USB driver is not installed - install USB driver

1.4 Software operation

After all connections are successful, the driver's parameters can be set.

1.4.1 Switch between Chinese and English

You can switch between Chinese and English in the upper right corner of the software.



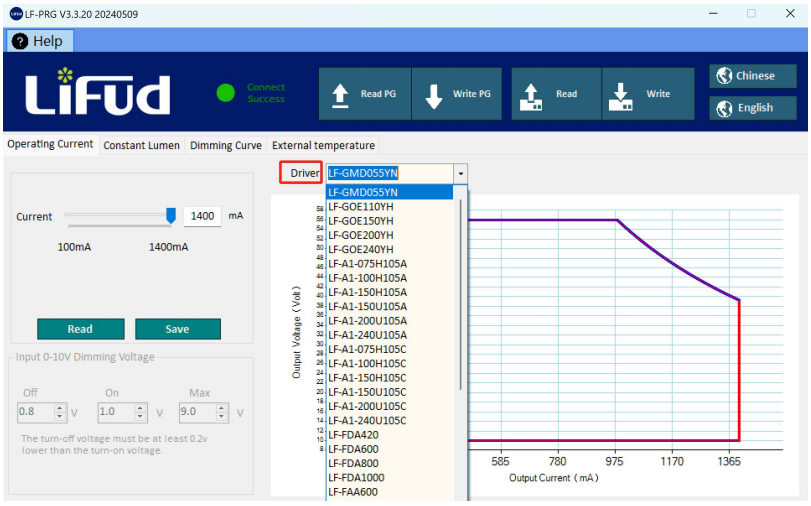
Click 

to switch to Chinese interface, click 

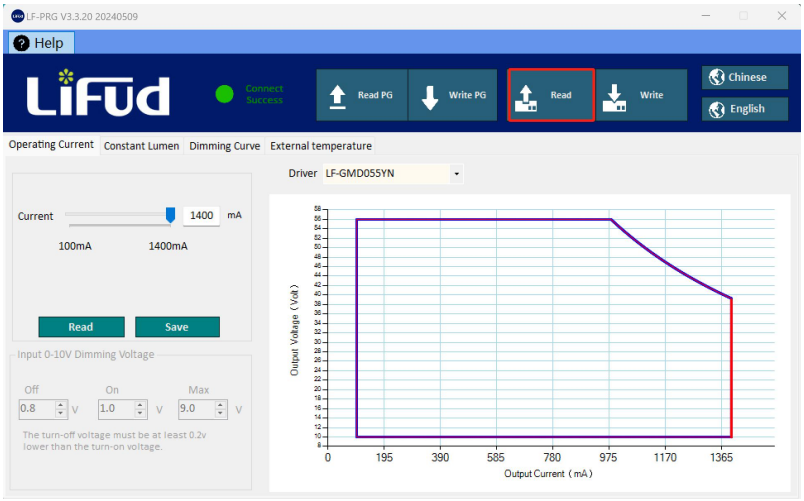
to switch to English interface

1.4.2 Model selection

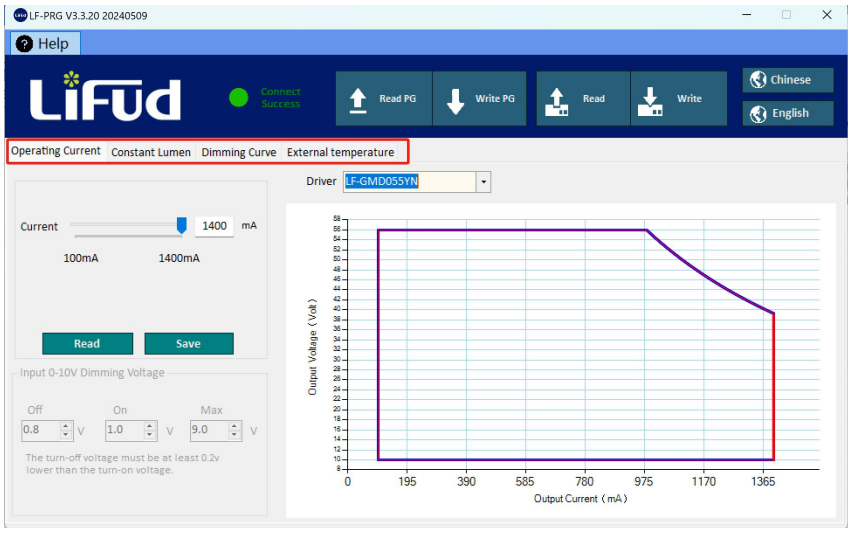
a. For models displayed in the driver list, you can select it in the driver list according to the actual driver model.



b. For models not shown in the driver list, you need to click "Read" first, and the driver model will be automatically identified and added.

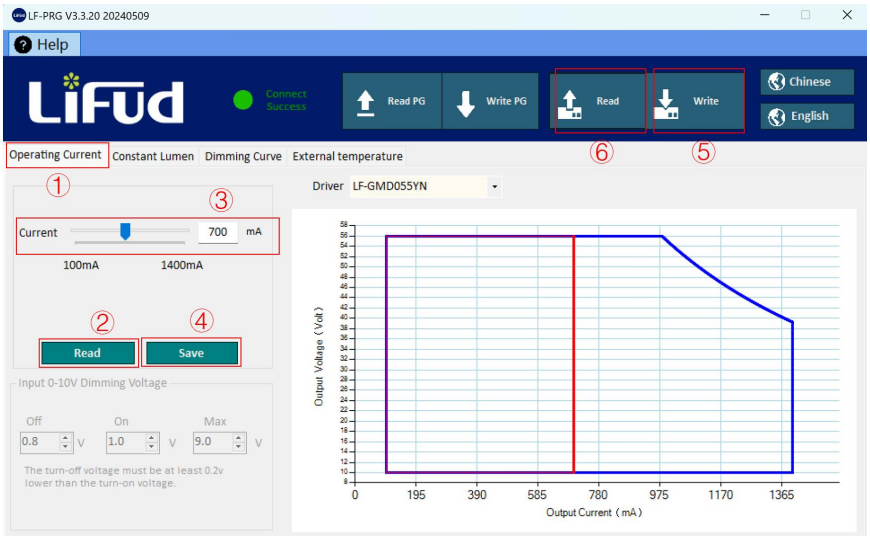


After the selection is done, the functions that this model can support will be displayed on the interface.



1.4.3 Change and write the parameters to the driver

Take setting current as an example.



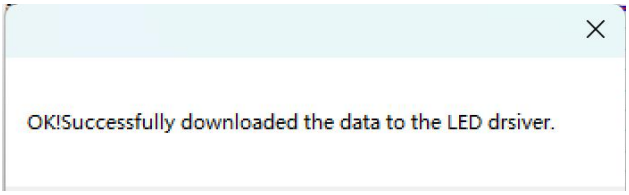
① Select the “Operating Current” option

② Read the current current of the driver (to facilitate verification after changing the written current)

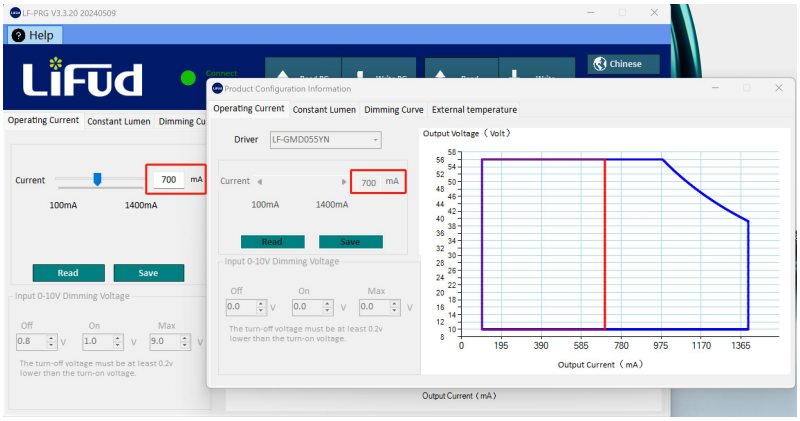
③ To change the current, you can use the slider or directly enter the value (to be set to 700mA)

④ Click “Save”

⑤ Click “Write”. After successful writing, the prompt is as follows

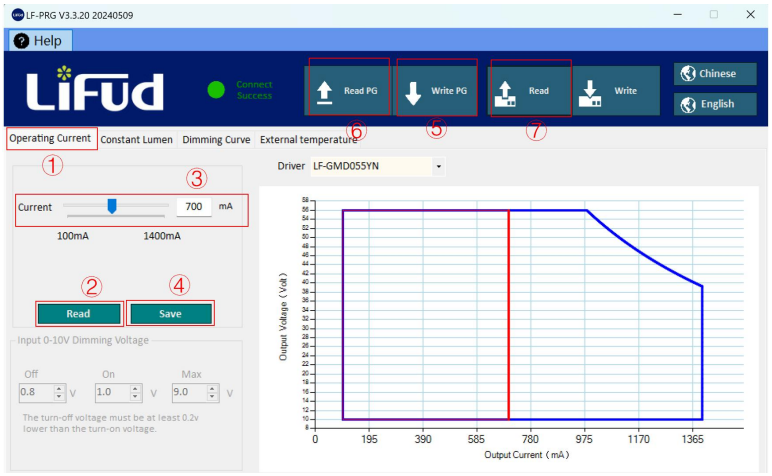


⑥ Click “Read” to check whether the parameters are written correctly.



1.4.4 Change and write the parameters to the programmer setting box

Take setting current as an example.



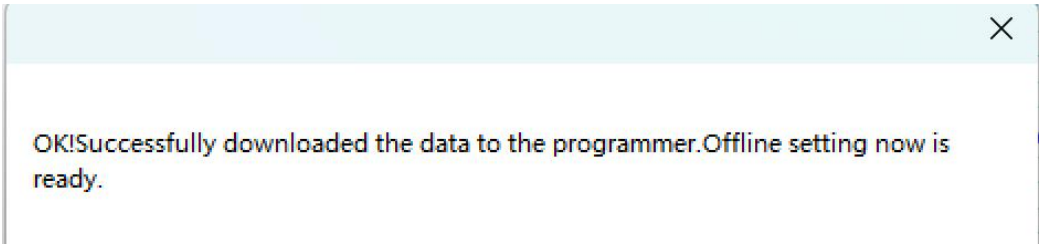
① Select the “Operating Current” option

② Read the current current of the driver (to facilitate verification after changing the written current)

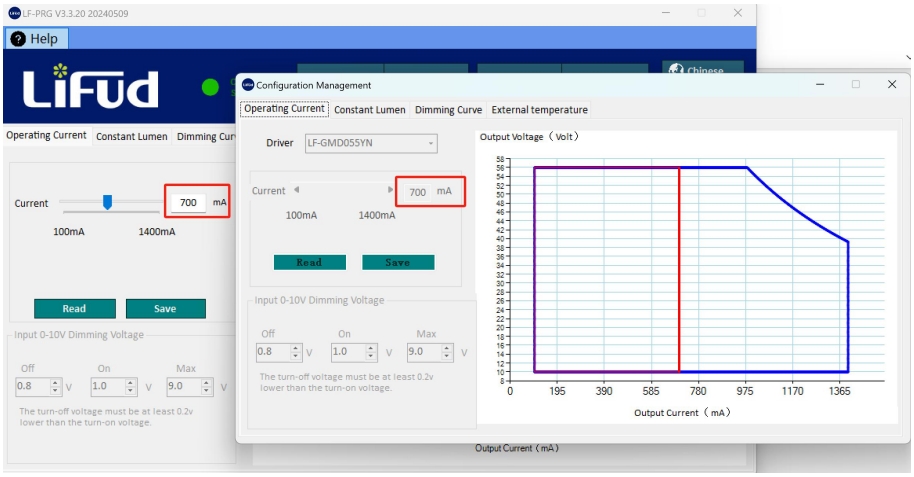
③ To change the current, you can use the slider or directly enter the value (to be set to 700mA)

④ Click “Save”

⑤ Click “Write PG”. After successful writing, the prompt is as follows



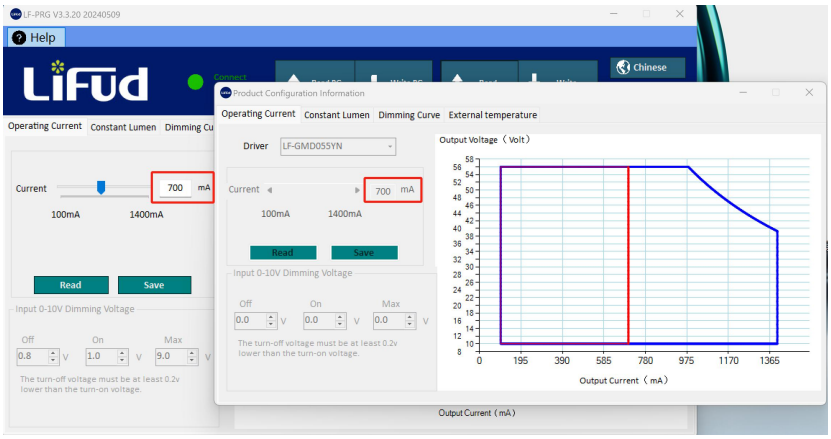
⑥ Click “Read” to check whether the parameters are written correctly.



After writing to the parameter box, use the parameter box settings to perform an offline programming

Offline programming method: Click the parameter box button, the indicator light will flash a few times and then a beeping sound will appear, and then the indicator light will remain green, indicating that the offline programming is successful.

⑦ After successful offline programming for the first time, click “Read” to check whether the parameters are written correctly.

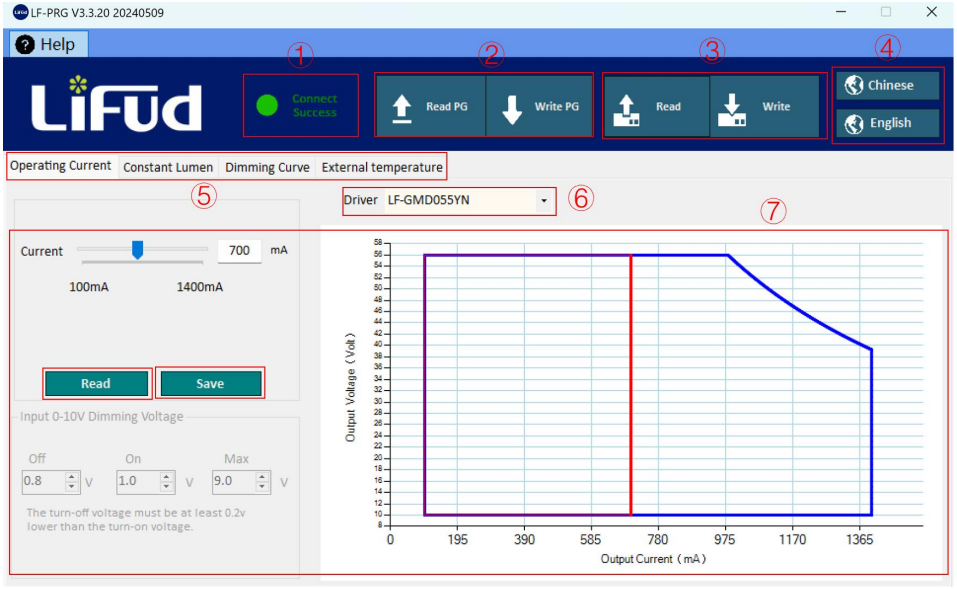


To set other parameters, please refer to the current setting steps.

II. Introduction of software

2.1 Introduction of the interface

After running the software, the following interface appears.



Introductions of these modules in the interface

1-Connection status　　2-Parameter box reading and writing

3-Driver reading and writing　　4-Language change

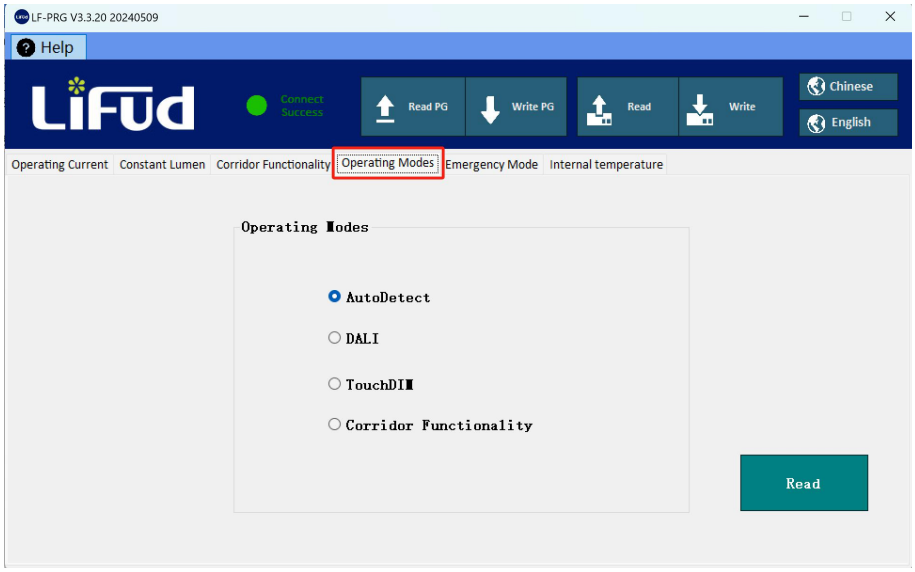
5-Functions supported by the driver　　6-Driver model list

7-Parameter change and display

2.2 Product features

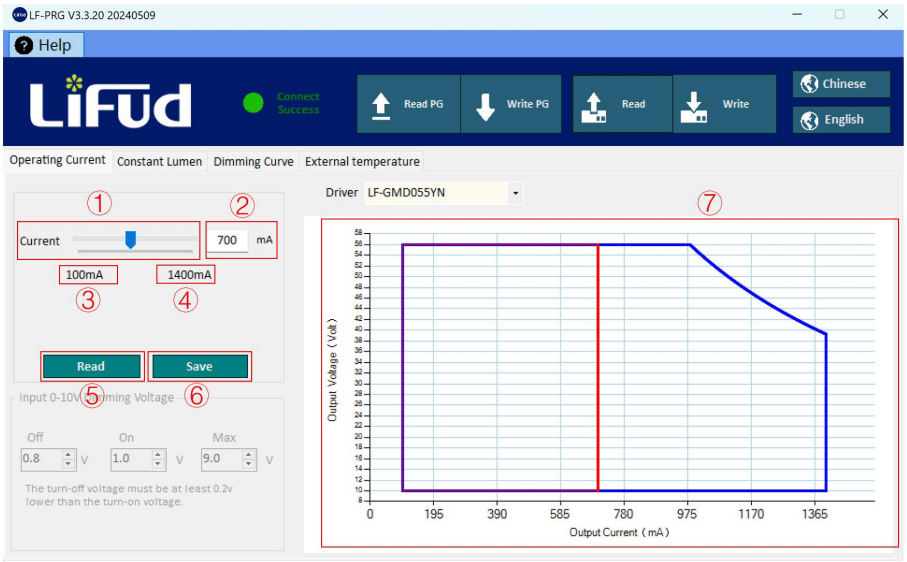
2.2.1 Operating Modes

The operating modes supported by different series of drivers may be different, including Autodetect, DALI, TouchDIM, Corridor Functionality. Checking “Autodetect” means that the driver can support DALI or TouchDIM or Corridor Functionality; checking “DALI” means that the driver only supports DALI dimming function, and so on.



2.2.2 Operating Current

Change the output current of the driver with the minimum accuracy of 1mA. It can be changed though the slider or directly inputting the value.



1-Slider for setting the current

2-input position of the current

3-Minimum current, click to switch directly to the minimum current value

4-Maximum current, click to switch directly to the maximum current value

5-Click "Read" to read the current parameters of the currently connected driver

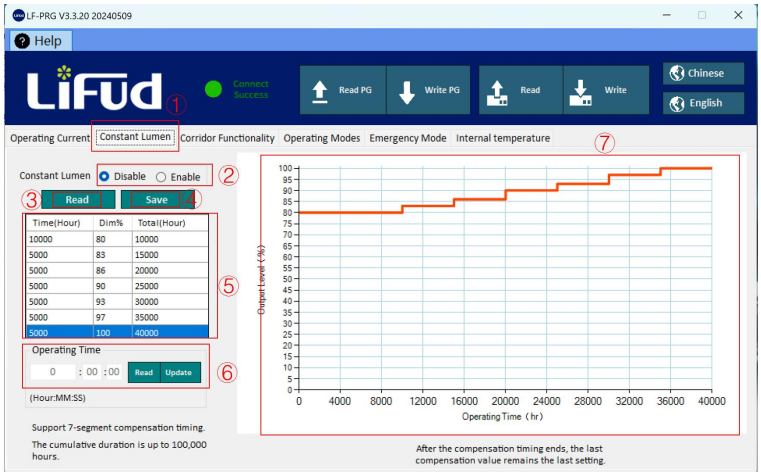
6-After modifying the output current, click "Save" to save the set current to this interface, so that the data can be written to the parameter box or driver later.

7-Corresponding working range table for voltage and current. When setting the current, the function graph on the right will calculate the corresponding output voltage based on the set output current. You can read the output voltage corresponding to the driver on the graph based on the set output current. The area in the red box is the current working area of the driver.

2.2.3 CLO

The light output of an LED luminaire reduces over the course of its lifetime. With this function the light output of the LED module can be kept equal over the lifetime by constantly increasing the output current of the LED driver.

You should click “Enable” to enable the CLO function and then change the parameters. There are a total of 7 steps that can be set. Each step can set the Operating Time and Output Level ratio, and the cumulative time does not exceed 100K hours, as shown below:



1-CLO Function

2-CLO function on and off options, click "Disable" to turn off the function, click "Enable" to turn on the function.

3-Click "Read" to query the operation time of the light fixture currently connected to the driver and the corresponding dimming brightness percentage parameters.

4-After modifying the output current, click "Save" to save the modified parameters to this interface, so that the data can be written to the parameter box or driver later.

5-In the operating time and current output percentage setting area, double-click "Time(Hour)" and Dim% to set the operation time and output current percentage. The "Total(Hour)" column cannot be edited. The data in the table is calculated based on the cumulative input data in "Time (Hour)". Modify the input "Time (Hour)" data and the "Total(Hour)" will automatically change.

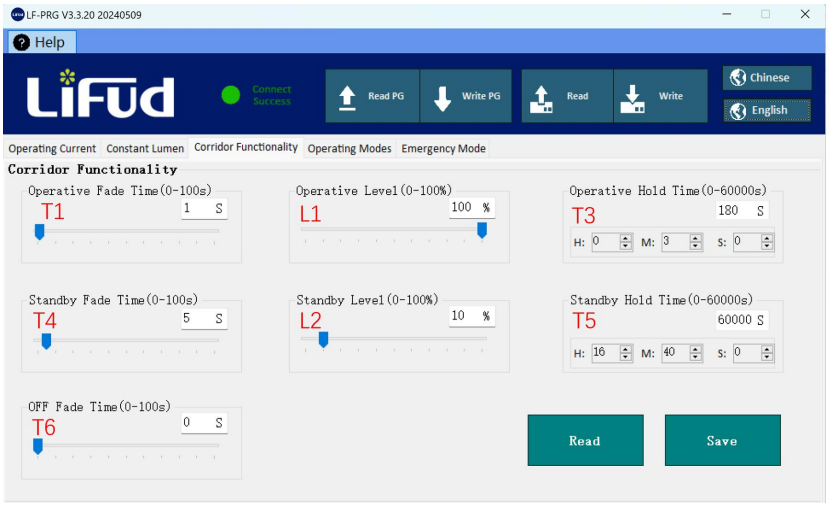
6-The "Read" button in the Operating Time box on the lower left can read the operation time of the connected driver after CLO function.

7-Set the corresponding relationship between Operating time and Output

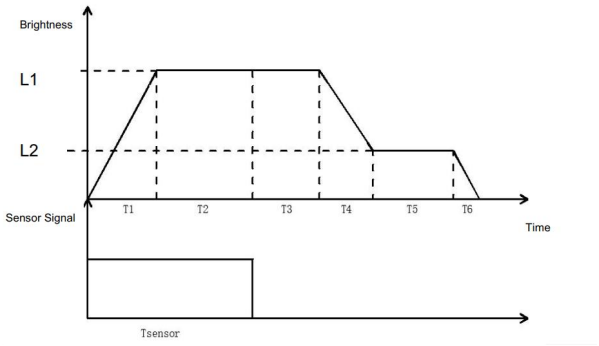
Level percentage.

2.2.4 Corridor Functionality

With a relay motion detector, when a person is detected, it can output the preset brightness. After the person left, the brightness dims slowly to a smaller value or switches off completely.



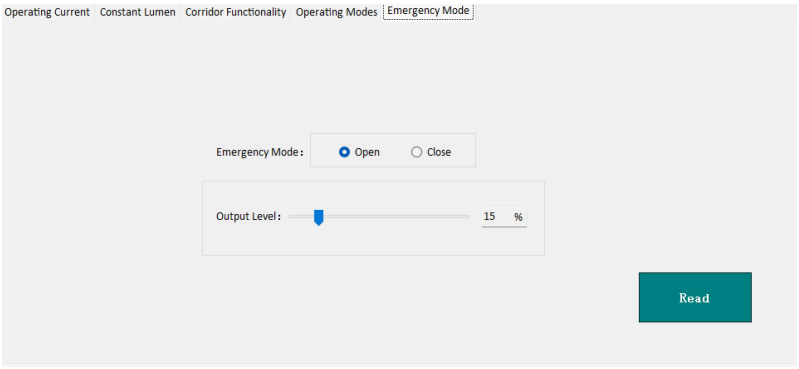
Corridor functionality working process:



Symbol	Name	Default value	Available scope setting
T1	Fade-in time of sensing	1s	0-100s
T2	Holding time of sensing	Depends on sensor	Depends on sensor
T3	Waiting time of sensing	180s	0-59999s，60000s (infinite)
T4	Fade-out time of sensing	5s	0-100s
T5	Unattended time	60000s (infinite)	0-59999s，60000s (infinite)
T6	Fade-out off time	0s	0-100s
L1	Sensing brightness	100%	0-100%
L2	Unattended brightness	10%	0-100%

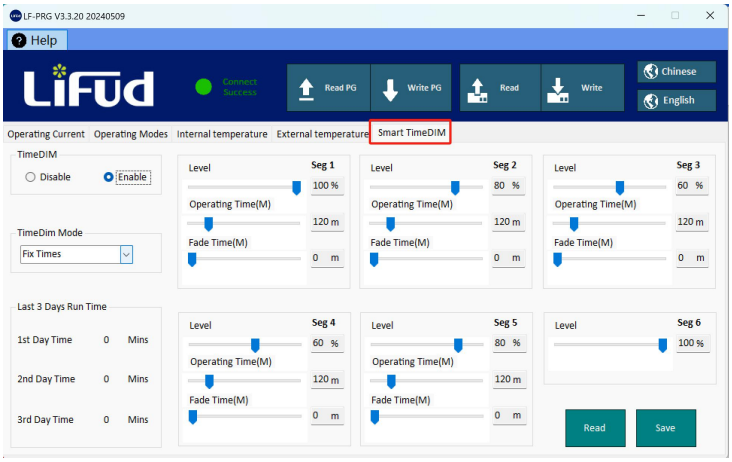
2.2.5 Emergency Mode

You should click “Enable” to change the parameters. When the Emergency Mode is enabled, you can adjust the output level in emergency mode through the slider or directly input a value.



2.2.6 Timing dimming

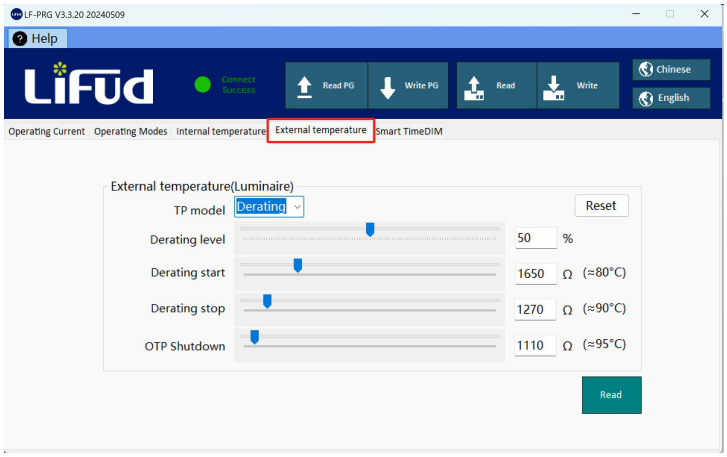
The Time Dimming function can be turned off by clicking “Disable”and be turned on by clicking “Enable”. It has 3 modes: Traditional Timer, Self Adapting-Midnight and Self Adapting-Percentage. Enable the function to enter the Traditional Timer mode by default. There are 6 steps in each mode, and you can set the brightness of each step, the operating time of the first to fifth steps, and the fade time between the 2 steps.



2.2.7 Thermal Protect

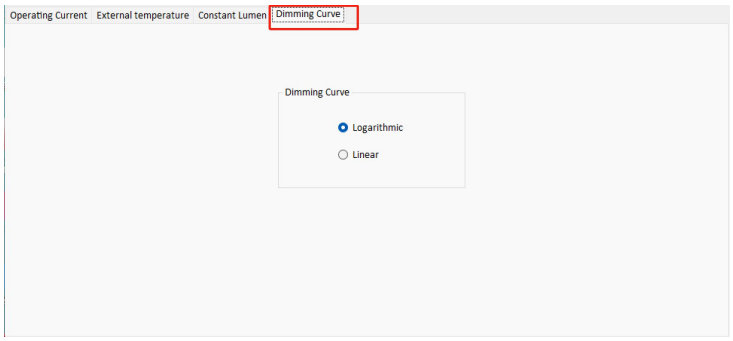
There are 2 modes to choose: Derating and Shutdown when over

temperature.



2.2.8 Dimming curve

There are 2 curves to choose: Logarithmic and Linear dimming curve.



After setting any of the above functions, you need to click “Write” in the menu bar to save it to the driver.