- Instructions -
01) First of all, you need a “Lighting Passport”
02) Turn on the power by sliding the switch on the side of the Lighting Passport

Power button is on the left side of the dongle. Please make sure the blue light on the back is on.
03) Open the “Spectrum Genius Essence” App

Touch the icon to implement APP.
04) Main menu

① Settings: Bluetooth, Wavelength, ID Settings
② Record(s): Saving Data
③ Knowledge: Proper Noun Explanation
④ Help: Operation Manual & Contact Us
⑤ Measure: Measure the Transmittance of DUT (device under test)
05) Connect to the dongle

Use “Bluetooth Pairing” in the settings menu and connect to the dongle.
You can set user (tester) and manufacturer (of the luminaire) in this page. And it will be the default after you make it.

You can also add and delete item by your self.
You can add/delete new wavelength range, choose the items you want to filter and make the upper/lower limit.
08) Start Measure

Make sure the cover of device is OPEN before measurement. Please follow the steps to measure the original light source at first.
Then, put the DUT (device under test) between the light source and the Lighting Passport, then measure again.
● The black vertical line means the chosen wavelength range.

● The spectrum that has red rim means original light source.

● The black curve means the spectrum of reduction of light.
You can also touch the "Original Spectrum" button to check the original light source, or touch the "Reduction Spectrum" button to check the spectrum which passes through the test device.
09) Measure Result (2)

In Second page, You can check the test device at different wave transmittance values. You can move the "Slider" to check the transmittance value at different wave.
09) Measure Result (2)

You can also use the "Rotary Wheel" to select the different wave.
09) Measure Result (3)

You can also use the "Rotary Wheel" to select the different wave.
10) Save data

You can push the save button in result page to the save data page.

① Take/choose the picture of the tested luminaire
② Input name
③ Select the manufacturer and user
④ Type the Note
⑤ Save Data
11) Record(s)

You can check the record you have saved, or select two or three records to compare.
11) Record(s)

The result can be email to others.
12) Knowledge

You can check some basic knowledge of proper noun.