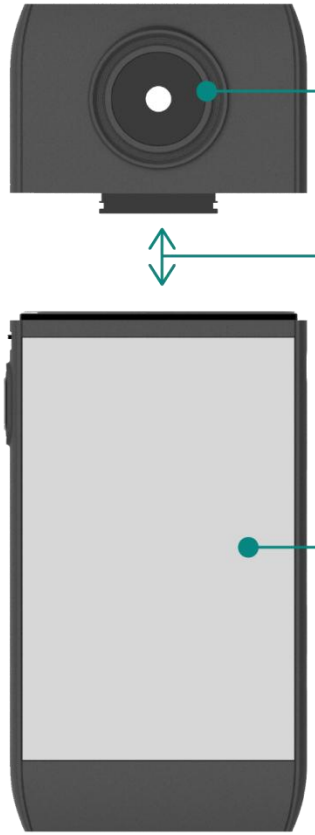
New Generation Farmer Smart Assistant to Catch LED Spectrum


# PG200N Spectral PAR Meter

# PG200N Outlook

Sensor Cover


Micro SD card

CMOS Linear Image Sensor
IP66 (Waperproof level)

USB Type C Interface (3M)

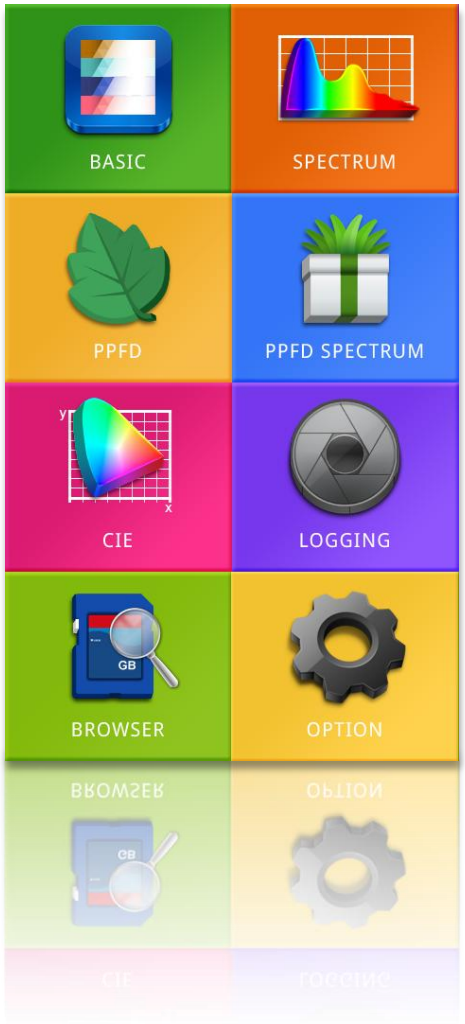
4.3" 800x480 Capacitive Touch LCD

Main Body

# Features

- Conforms with requirements of JIS AA class & DIN B class to meet the standard of illuminance meters.
- Sensor meets the IP66 waterproof level
- Auto dark feature- Ensures the measurement quality with high reliability and precision.
- PPFD Reference- For a better understanding of real needs of plants.
- PPFD/PFD range can be customized
- G sensor- Checks the measuring position from time to time and reduces the artificial measurement error.

# Operation Mode




- BASIC mode
  CCT / CRI / LUX / λP / i-Time and etc.
- SPECTRUM mode
  Visible light spectrum

new

- PPFD mode
  PPFD / PFD / PFD-B / PFD-G and etc.

new

- PPFD SPECTRUM mode
  Visible PPFD spectrum
- CIE mode
  CIE1931 chromaticity / CIE1976 chromaticity
- LOGGING mode
  Continues measuring
- BROWSER mode
  Review historical data and save to the SD card easily.
- OPTION mode
  Other setup items to note in the System

# Compliance with the Standards

new

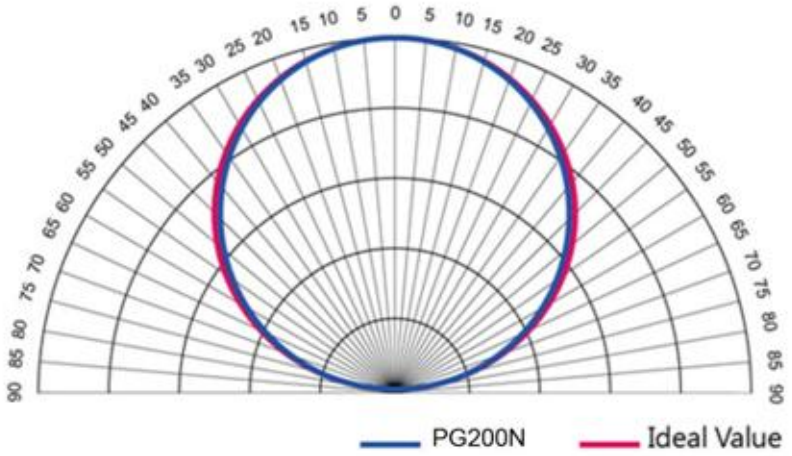
- High Accuracy, Precision and Reliability

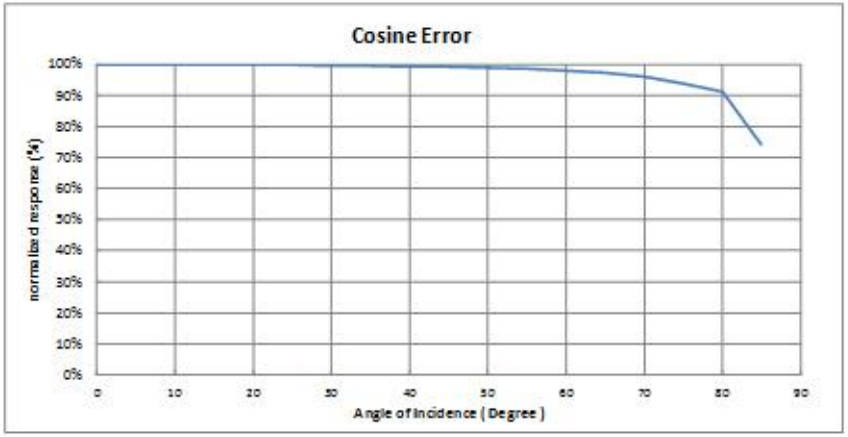
## JIS AA

**Conforms to JIS C 1609-1:2006 for General Class AA**

## DIN

**Conforms to DIN 5032 Part 7 Class B**



# Water Repellent sensor

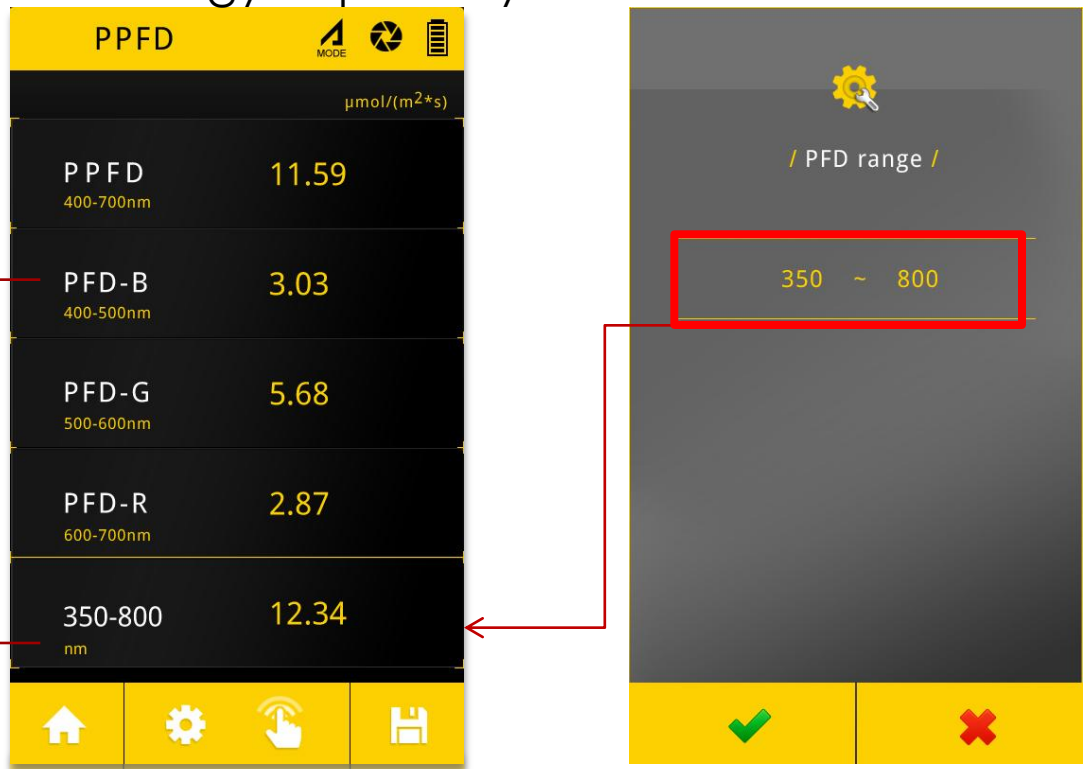
new


Water Repellent

# PPFD Mode

new

↘ Choosing the exact PPFD/PFD indices (B, G, R, UV and FR) or customizing the PFD range depend on users needs. As a result, they can know the effective light or radiant energy of photosynthesis .



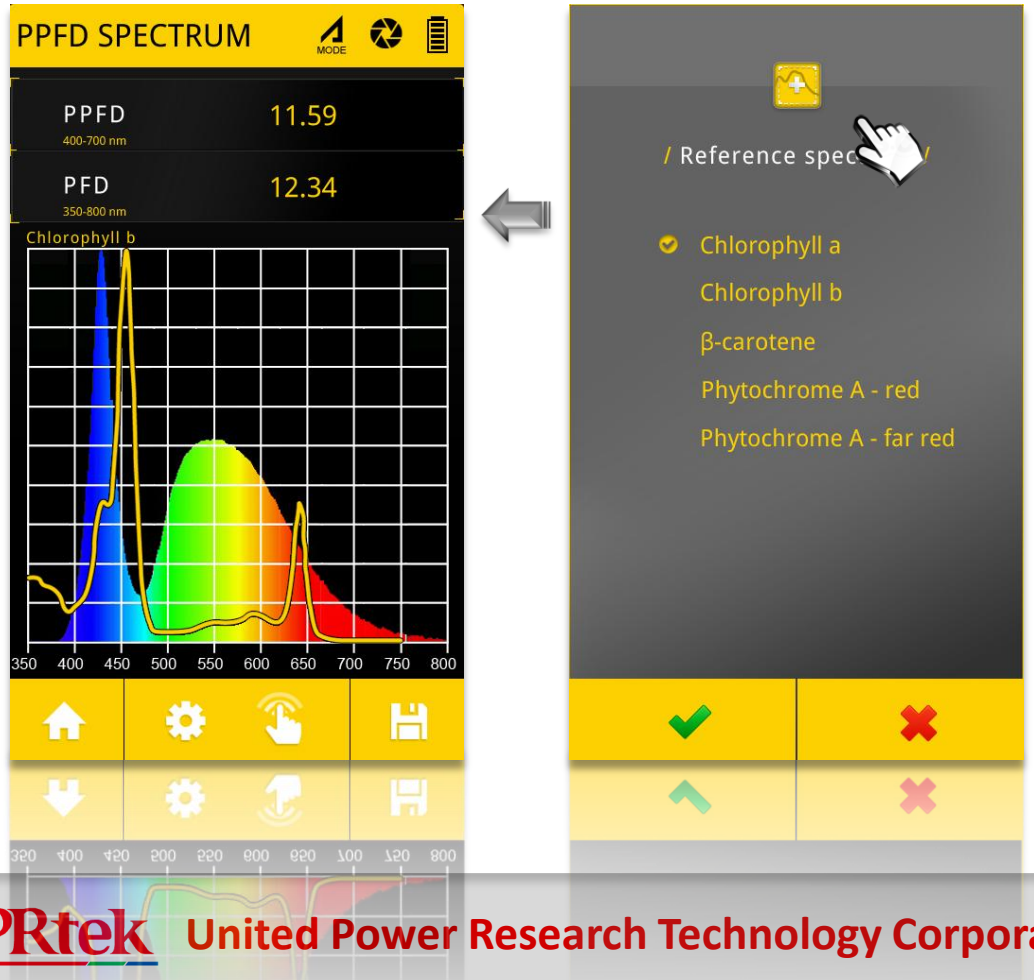

1 Customized PPFD measurement items

2 Customized PPFD range

# PPFD SPECTRUM Mode

new

↘ Embedded with PAR Reference Spectrum for users to compare and compensate the necessary light which the plant needs intuitively.

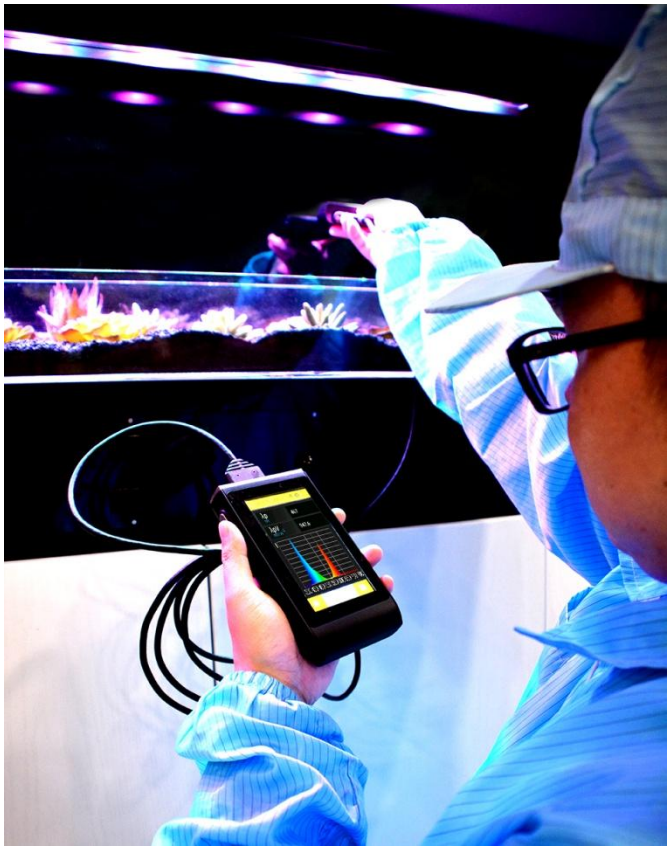



↘ Select Reference Spectrum

# G Sensor (Motion Sensor)

new

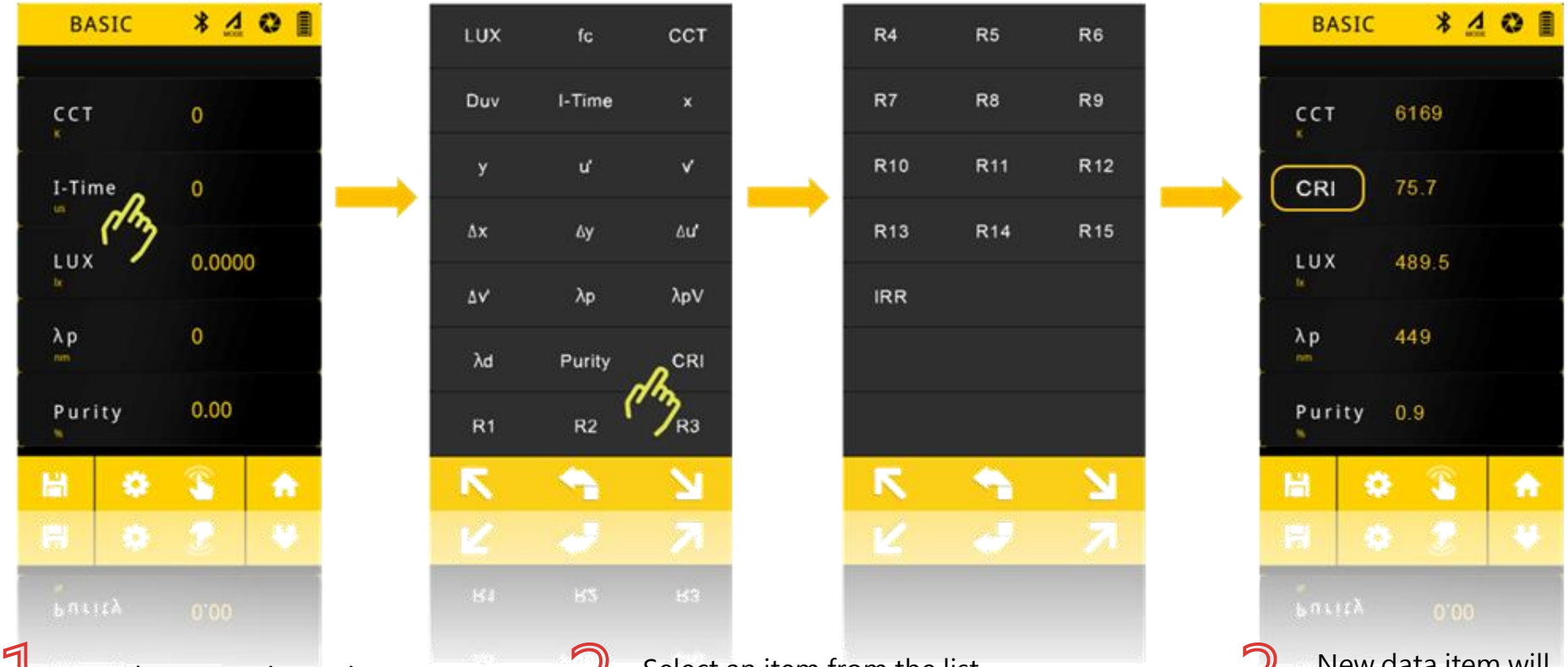
↘ It is similar to “Horizontal Position Sensor” function. It helps users adjust the measuring position dynamically.



Sensor head also can be used with a selfie stick and camera tripod. Users can easily measure far reaching ranges and adjust the measurement point horizontally.

# Basic Mode

↘ Creating your main 5 customizing menu list.

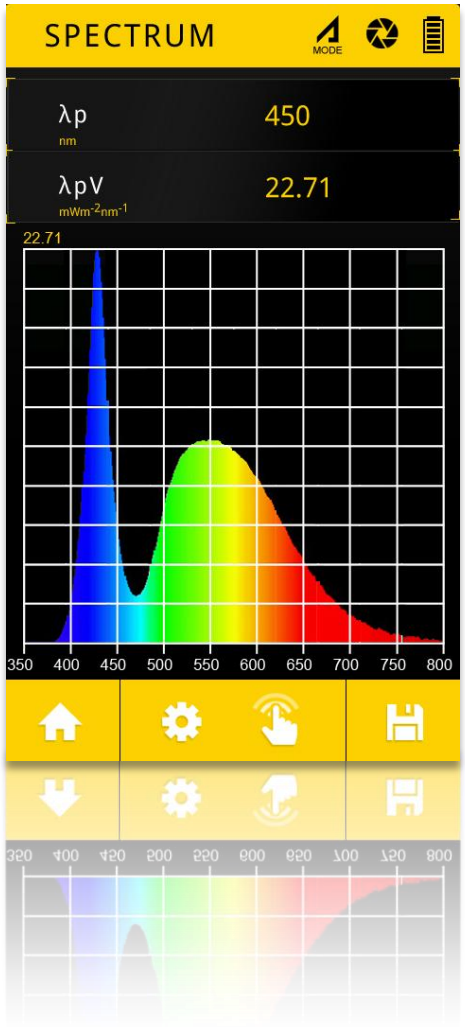



1 Tap the measuring unit

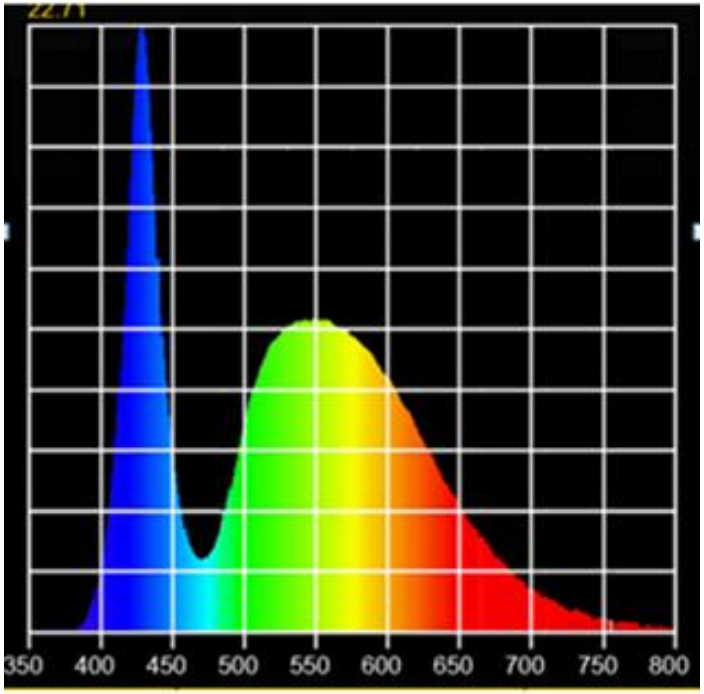
2 Select an item from the list

3 New data item will be displayed

# SPECTRUM Mode




- Wavelength Range is 350 to 800 nm

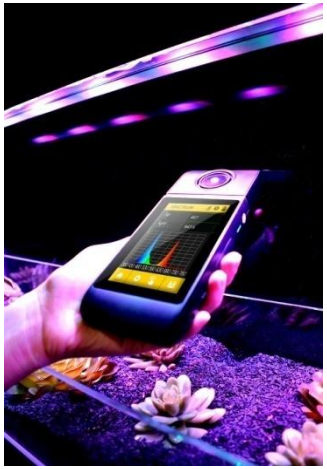


# LOGGING Mode

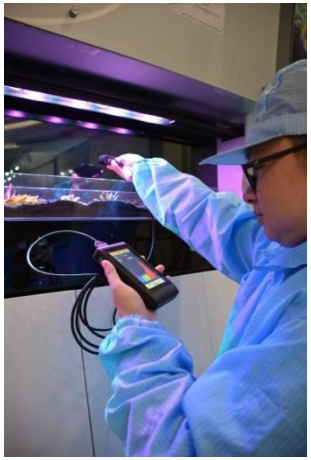
↘ Monitors the LED light real time, records and analysis the data to help build the plant growth pattern.

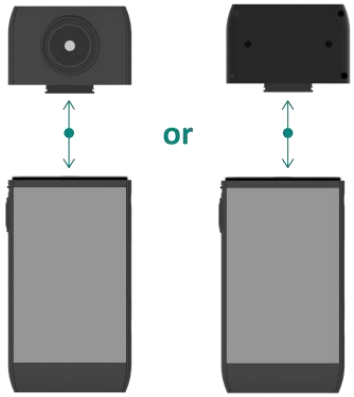
# Multiple-measurement

↘ Standalone



↘ Detachable Sensor Head






↘ With PC software through Type C Cable

uSPECTRUM

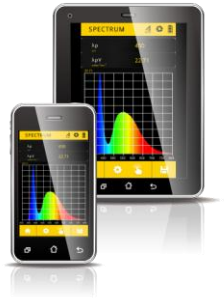
↘ With APP wireless measuring through Bluetooth

uSPECTRUM Mobile App

uSpectrum PAR

Available on the App Store

Google play



# Ideal For

1. Plant Factory
2. Floriculture
3. Algae Culture
4. Nursery Factory
5. Greenhouse
6. Cultivation of Herbal Medicine

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