

**A**SENSETEK

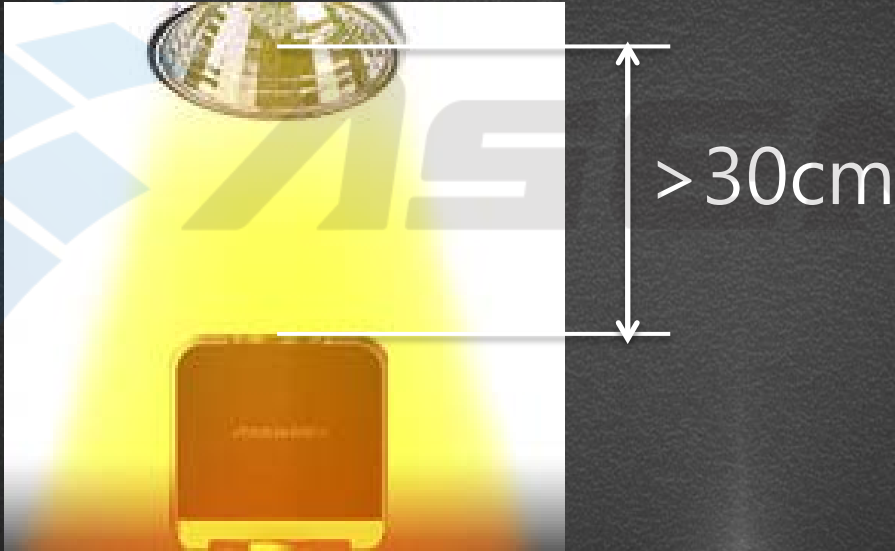
*Extend your sense*

Measurement Guideline



# Measurement Guidelines

- ◆ Please put your Lighting passport under the light source and in a recommended distance of over 30cm.



# Measurement Guideline

- ◆ Lux measurable range is from 5~50,000 lux ◦
- ◆ For reliable chromaticity measurement, we recommend the Lux range from 50~50,000 lux for Standard and Flagship set / and 100~50,000 for Essence.



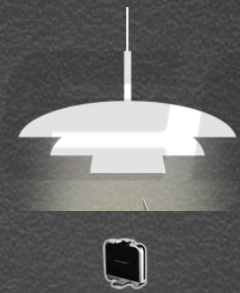
# Measurement Guideline

## ◆ Measurement Methods

When  $> 200$  lux,  
handheld is OK.



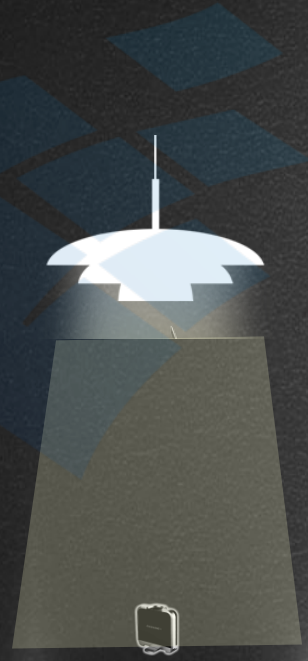
When  $< 200$  Lux, please use the  
“stand” and place LP in a fixed  
position



When  $< 70$  lux, we suggest you  
change the integration time to  
Manual in “setting mode” and set a  
proper integration time. ( $> 6$ sec, but  
try to avoid saturation.)

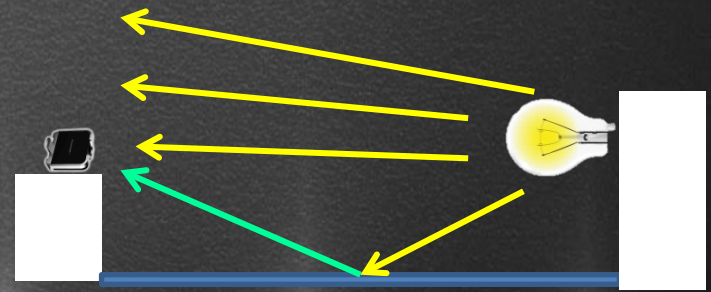
# Measurement Guideline

## ◆ Measurement Direction



We recommend you to point the LP to the light source in a 90 degree angle. **Top-Down** (vertical) is suggested.

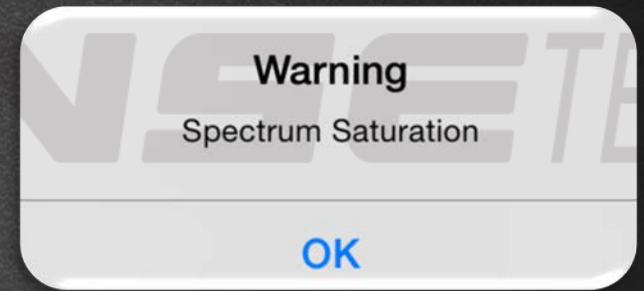
It's not recommended that you measure the light in horizontal position due to interference from reflective lights.



# Measurement Guideline

## ◆ Cause of Spectrum Saturation

- (1) When a light source is too intense (usually  $> 50,000$  lux), it will show this message. Try to increase the distance between the light source and LP or reduce the light intensity until this message disappears.
- (2) Under auto-integration mode, if the intensity of a light source is too low and the testing condition is too unstable, it will also result to the spectrum saturation. Please try to maintain a stable testing environment.



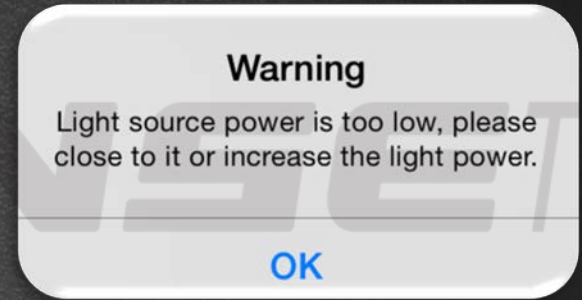
# Measurement Guideline

## ◆ Warning: Low Light Level

The warning appears when:

- (1) Lux level is lower than 50 for Lighting Passport Flagship/Standard.
- (2) Lux level is lower than 100 for Lighting Passport Essence.

Low light level may cause the measurement results worse. Please try to intensify the light source or shorten the measurement distance between the LP and the light source.



# Measurement Guideline

It's useful to test in accuracy a specific light source under ambient lights.

## ◆ How to Do Background Subtraction



Step 1 : Turn off the light source before measuring.

Step 2 : Press “Subtract Background” button. (The button will then grays out.)

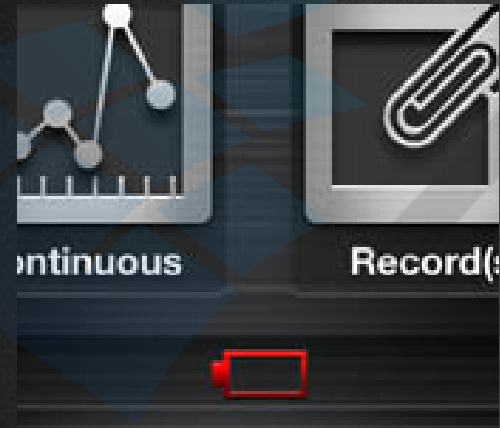
Step 3 : Turn on the light source for a while, then press the “Measure” button.

Please avoid using this function when ambient light is stronger than the light source.



# Measurement Guideline

## ◆ Battery Status Check



If the battery icon turns to **RED**, the measurement results may be quite unstable. Please recharge your Lighting Passport for best measuring.

# Measurement Guideline

## ◆ Tips on Continuous Measurement



1. Please keep charging your Lighting Passport and Smart devices while performing continuous measurement for a long time. (Make sure the first few data have been successfully measured and saved while measuring.)
2. Please disable the "auto-lock" function in your Smart devices. Since this app can't run in the background, it will be disconnected every time the auto-lock is engaged.