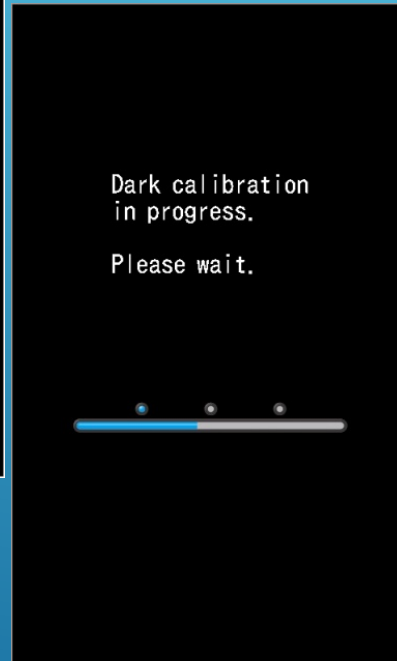
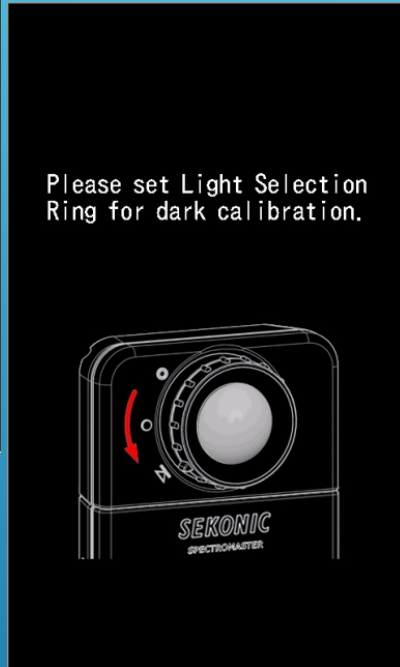
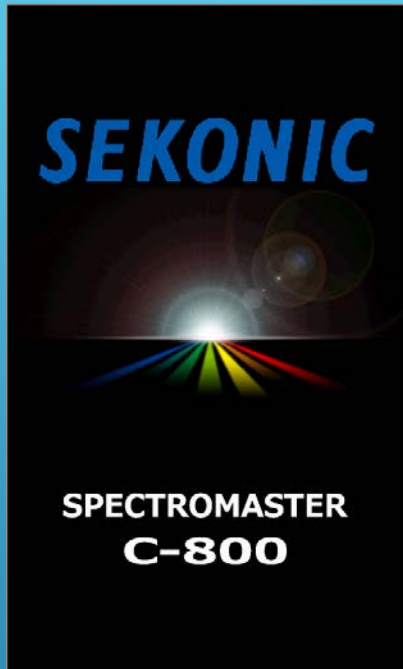




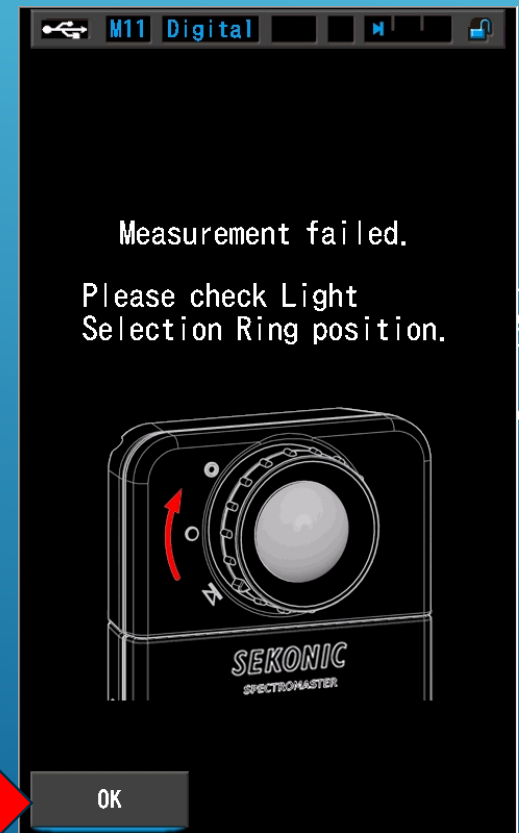
# SEKONIC

## SPECTROMASTER C-800

# Start Up



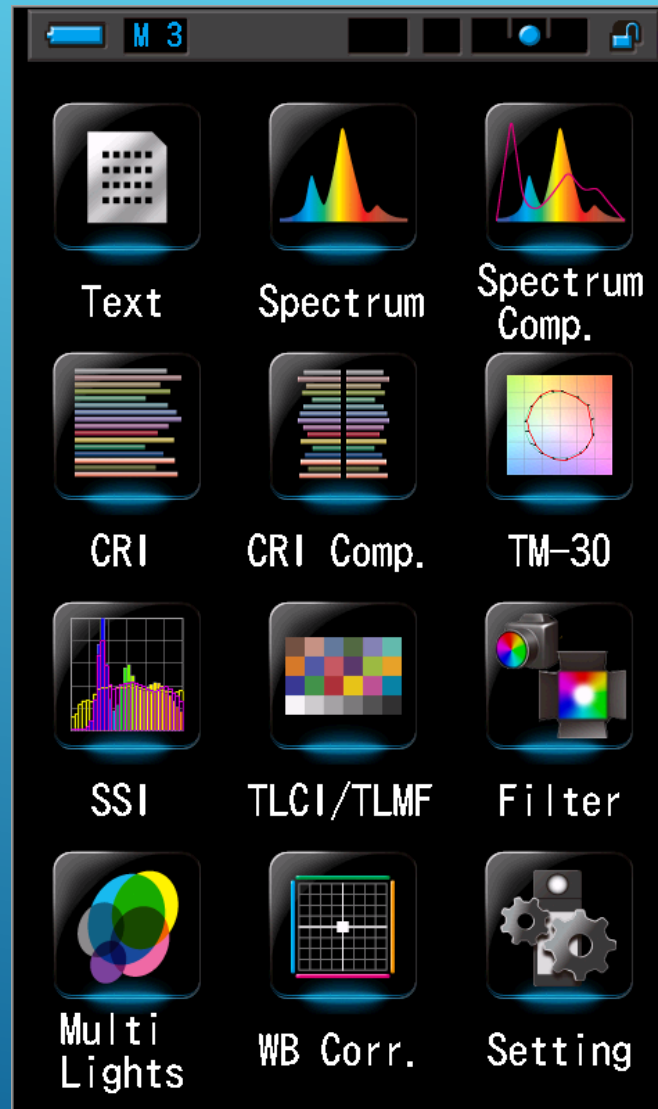
When measuring, make sure to select Ambient or Flash icon.



# Display Modes



MENU



# Text Screen



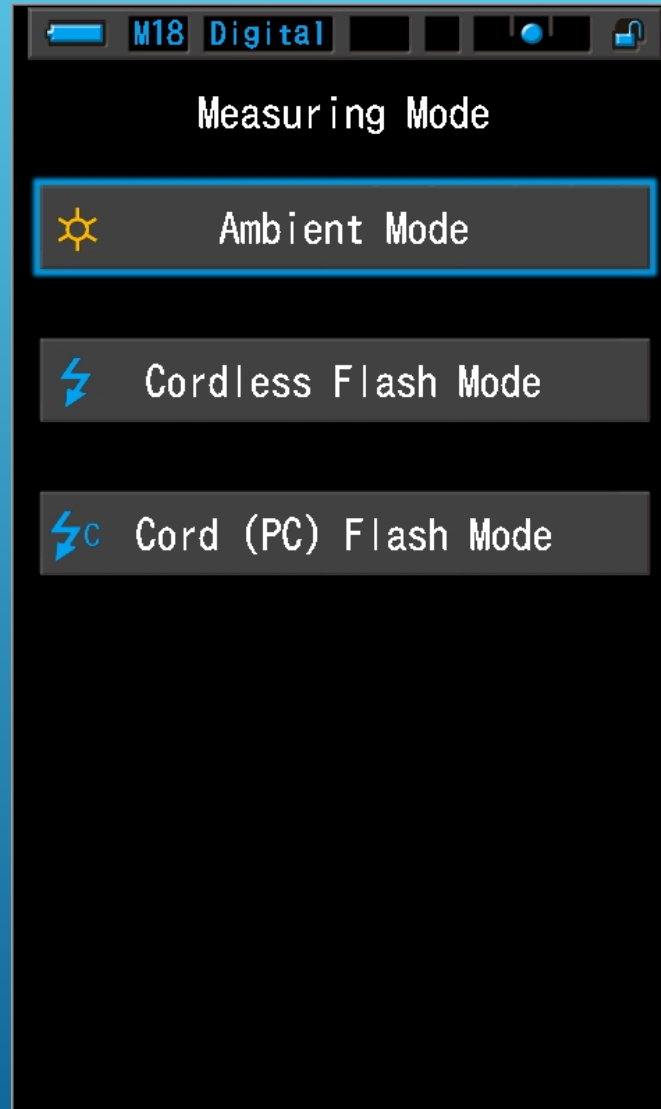
Text  
Screen

# Set Measuring Mode



Text  
Screen

# Set Measuring Mode



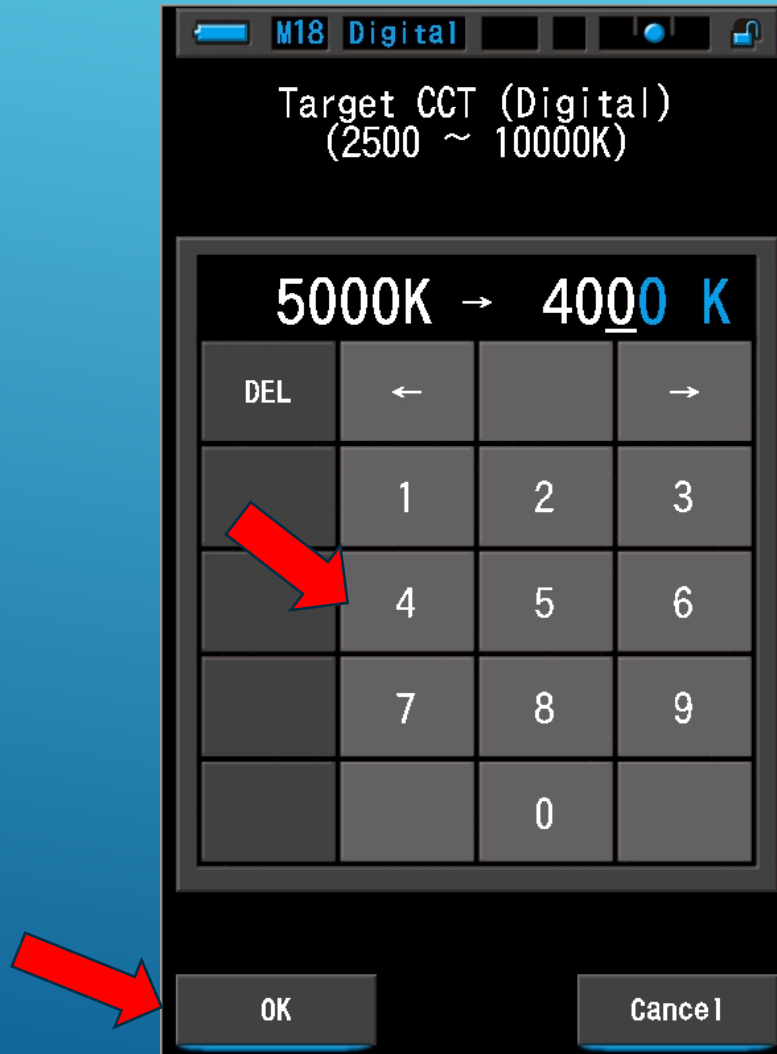
Text  
Screen

# Set Target Kelvin Number



Text  
Screen

# Set Target Kelvin Number

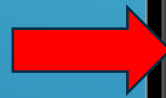




Text  
Screen

# Set Display Item (Library)

Icon which has the blue under bar means the Display Item (Library) or settings you can change.

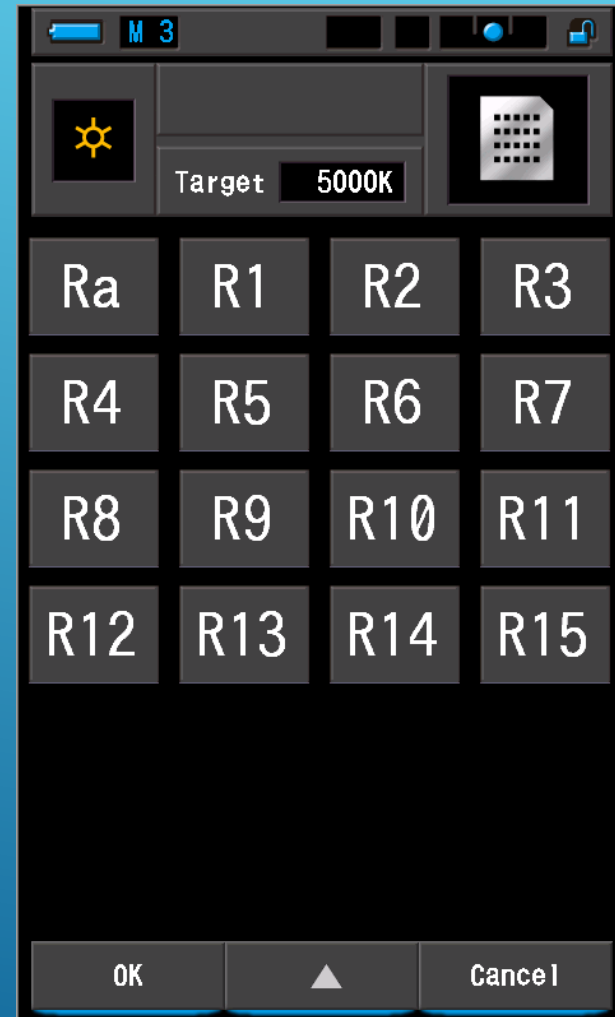


The screenshot shows a digital display interface with a dark background and white text. At the top, there is a status bar with a battery icon, the text "M18 Digital", and a lock icon. Below the status bar, there is a settings icon (a gear) on the left and a keypad icon on the right. In the center, there is a "Target" field with the value "4000K". Below this, there are several rows of data, each with a parameter name on the left and a numerical value on the right. The  $\Delta uv$  row is highlighted with a blue underbar. At the bottom, there are two icons: a yellow triangle and a wrench.

Parameter	Value
Target	4000K
CCT	2519K
$\Delta uv$	0.0007
LBi	-147MK <sup>-1</sup>
CCi	0.0
fc	5.7fc

Text  
Screen

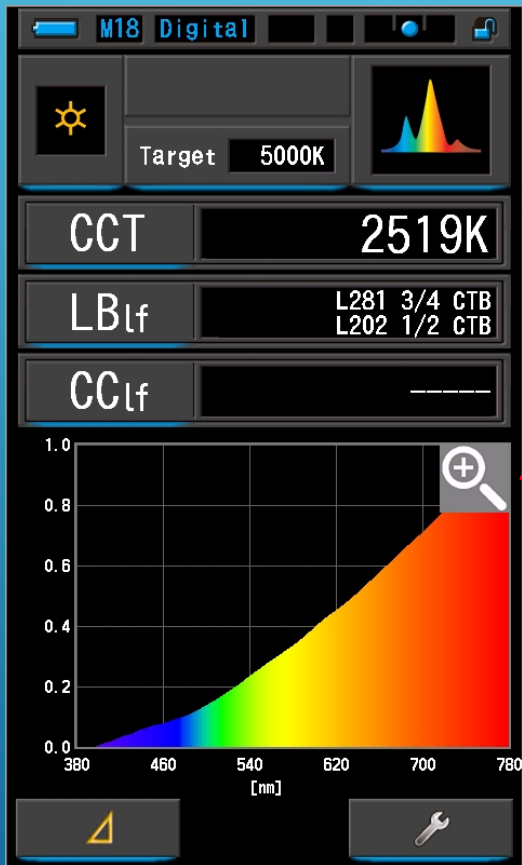
# Set Display Item (Library)



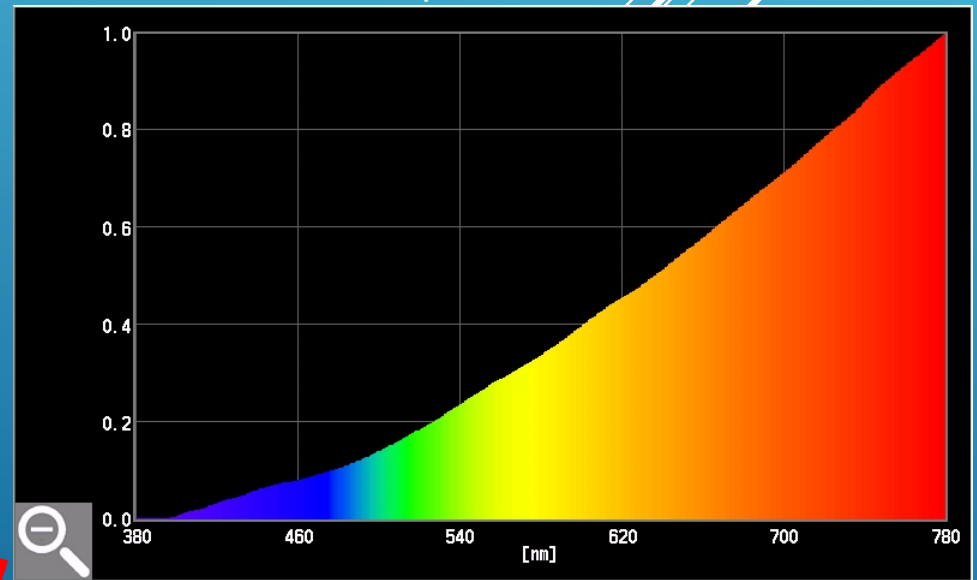
# Changing Display Mode



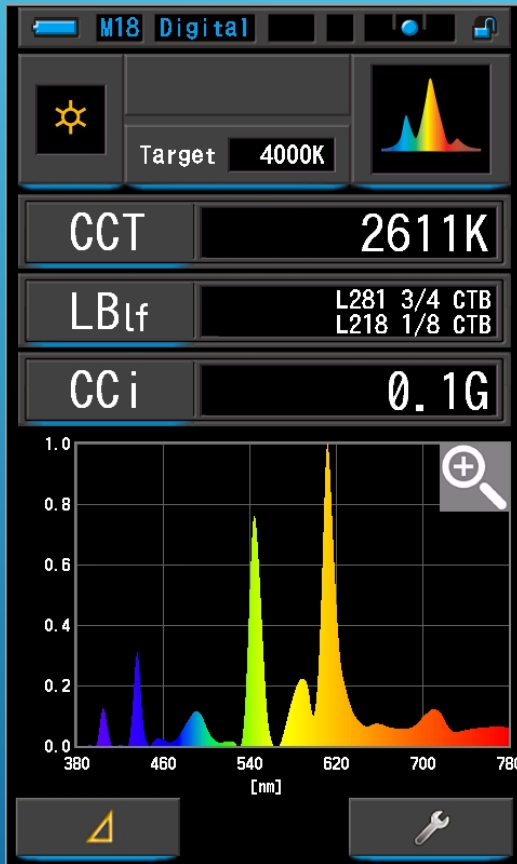
# Spectrum Reading with Enlargement



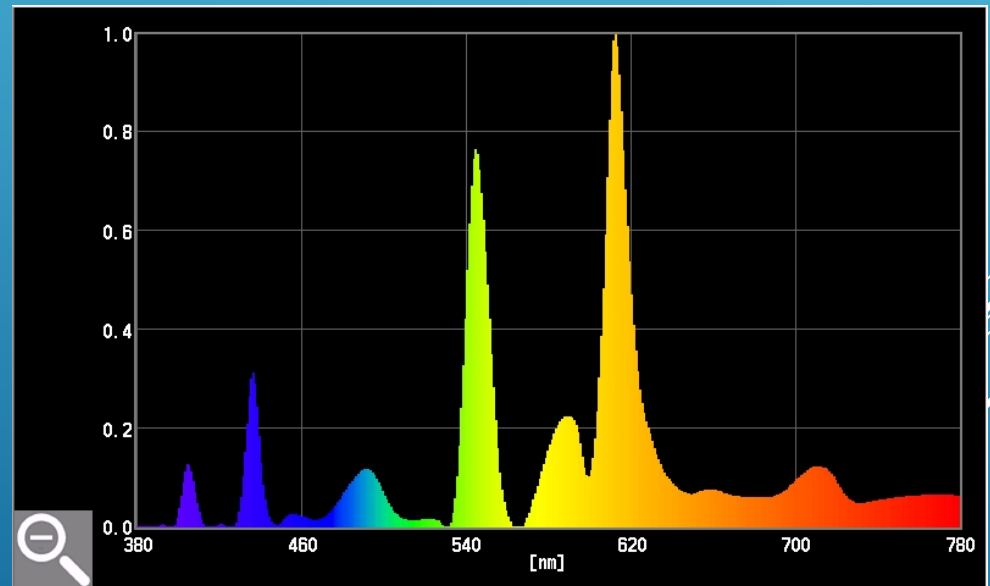
Tungsten  
Lamp



# Spectrum Reading With Enlargement

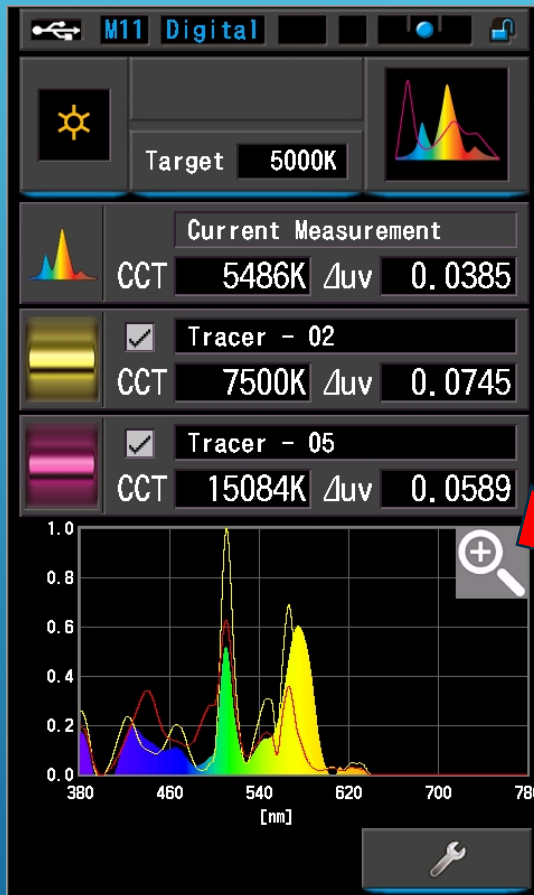


Fluorescent

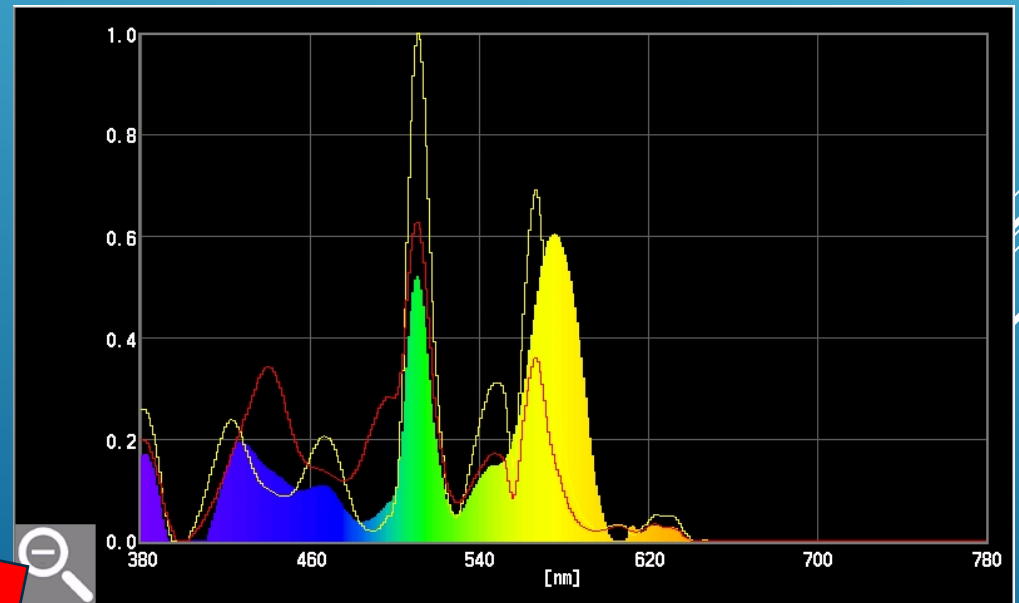


# Spectrum Comparison

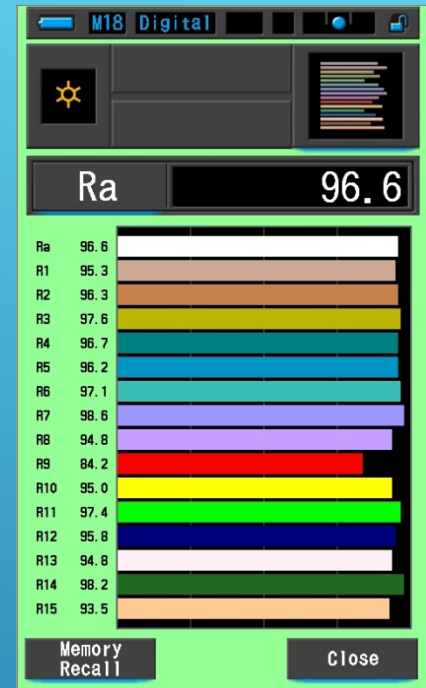
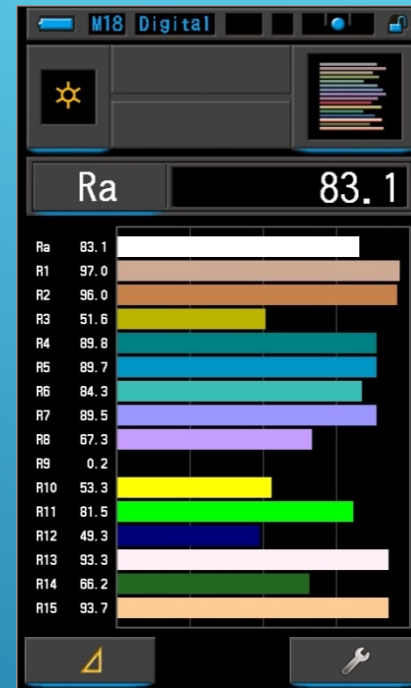
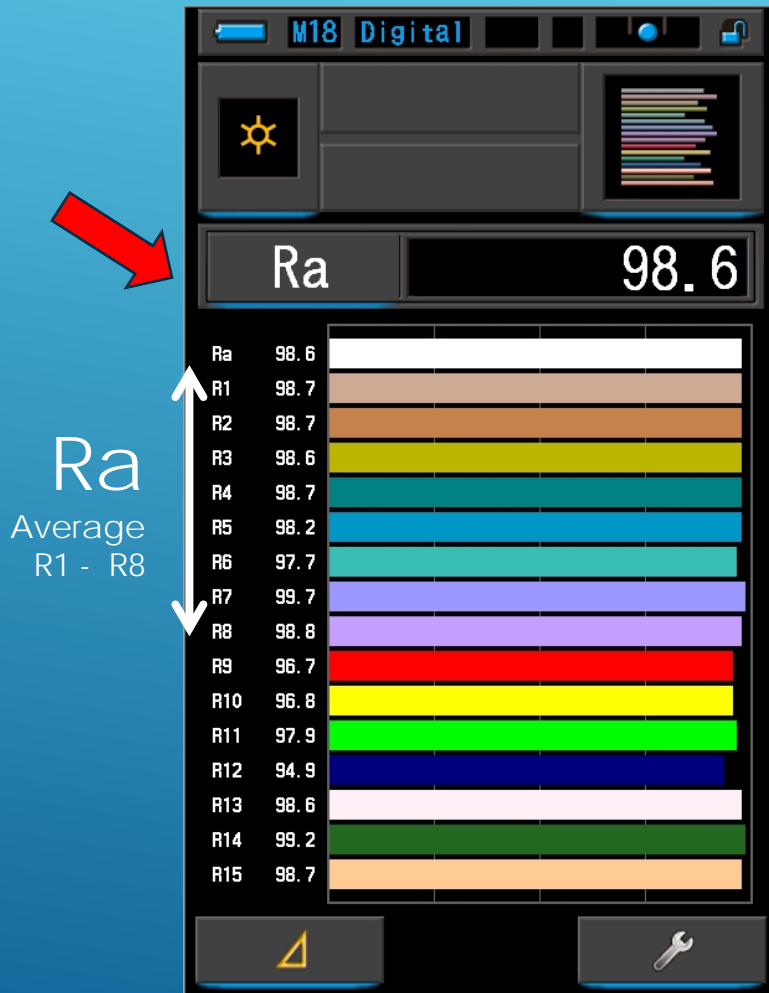
Three light comparison



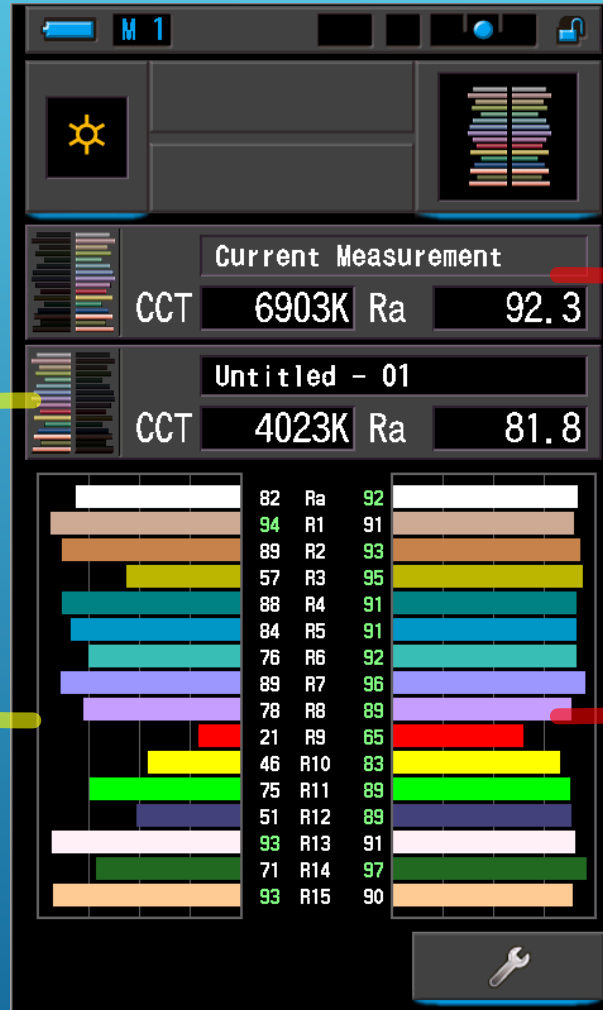
Currently Measured Light  
Memorized value 1 - Yellow Outline  
Memorized value 2 - Red Outline



# CRI - Color Rendering Index



# CRI Comparison



Memorized value

Cheap Fluorescent (no red)

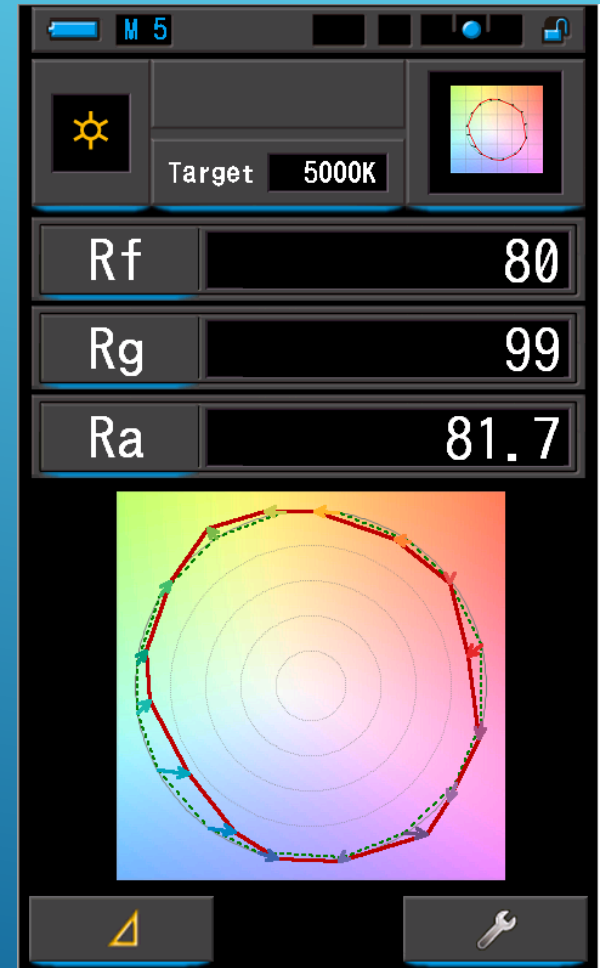
Current Measurement

Daylight (Cloudy)



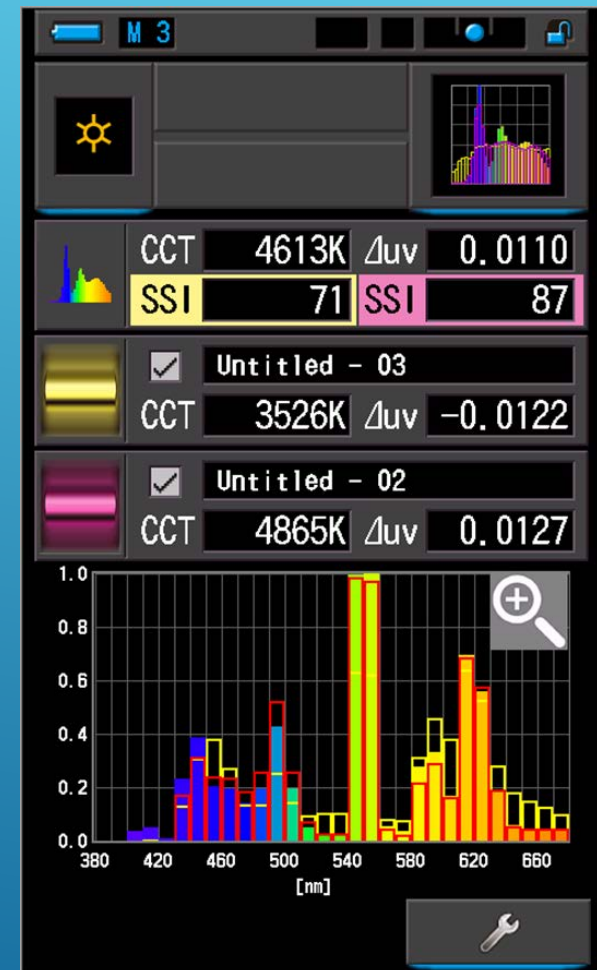
# TM-30-15

- Rf - - - Fidelity index = Accurate rendition of color (0 to 100)
- Rg - - - Gamut index = Average level of saturation relative to reference illuminant (60 to 140)
- Ra - - - Same as CRI's Ra
- Color vector graphic illustrates average hue and saturation changes in each of 16 hue bins. The reference source is normalized to a black circle, whereas the test source is represented by the red line.



# SSI – Spectral Similarity Index

- Defined by Academy of Motion Picture Arts and Sciences, Science and Technology Council
- Index defines how close a test spectrum is to a reference spectrum (CIE illuminant and actual light source)
- Number is similar to CRI – above 90 is good, below 60 may have problems



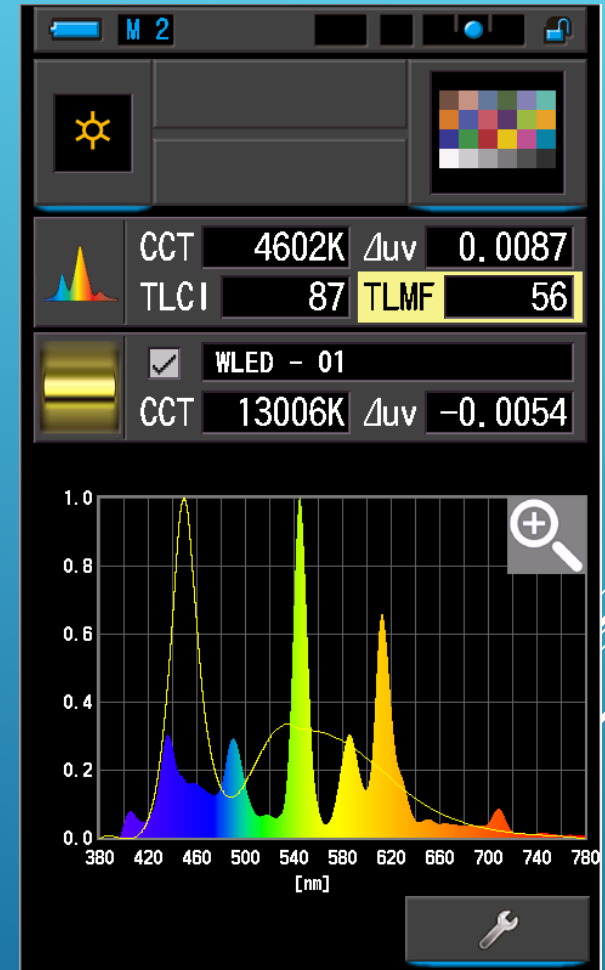
# TLCI/TLMF

## ◆ Television Lighting Consistency Index

- The TLCI uses the latest color science, and a mathematical model of a broadcast camera to 'see' the colors, so it shows what actually happens on TV.

## ◆ Television Luminaire Matching Factor

- There is a new companion metric to TLCI, TLMF allows you to compare two different lights to each other, rather than to a perfect reference, and see if they will play well together.



# Multi Lights

## Four light Comparison

The screenshot shows a digital lighting control interface for 'M15 Digital'. It features a color calibration chart at the top right and four light settings (A, B, C, D) listed below. Each setting includes a CCT value, a brightness icon, a color icon, and ΔLif and ΔCif values. Setting A is selected. At the bottom, there are 'Clear' and 'Settings' (wrench icon) buttons.

Setting	CCT	ΔLif	ΔCif
A	2859K	*****	*****
B	3944K	L201 FULL CTB L218 1/8 CTB	L247 MINUS GREEN L247 MINUS GREEN
C	5695K	L202 1/2 CTB	L247 MINUS GREEN L247 MINUS GREEN
D	6235K	L203 1/4 CTB L218 1/8 CTB	L247 MINUS GREEN L247 MINUS GREEN

# Multi Lights

Comparison Screen

Individual Measuring Screen

First three Display Items with \* are shown in the comparison screen

Confirmation Screen

M15 Digital

Profile	CCT	$\Delta L_{if}$	$\Delta C_{if}$
A	2859K	*****	*****
B	3944K	L201 FULL CTB L218 1/8 CTB	L247 MINUS GREEN L247 MINUS GREEN
C	5695K	L202 1/2 CTB	L247 MINUS GREEN L247 MINUS GREEN
D	6235K	L203 1/4 CTB L218 1/8 CTB	L247 MINUS GREEN L247 MINUS GREEN

Clear [Wrench]

M15 Digital

*CCT	2859K
*LBi	----
*CCi	10.1G
LBIf	L206 1/4 CTO L206 1/4 CTO
CCIf	L244 PLUS GREEN L244 PLUS GREEN
Brand	LEE

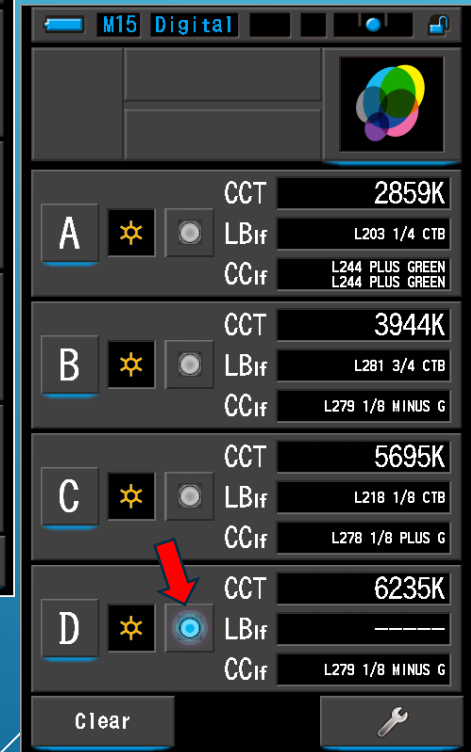
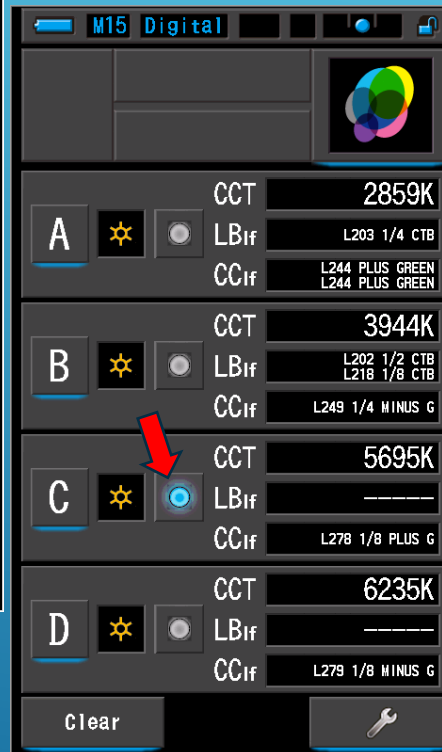
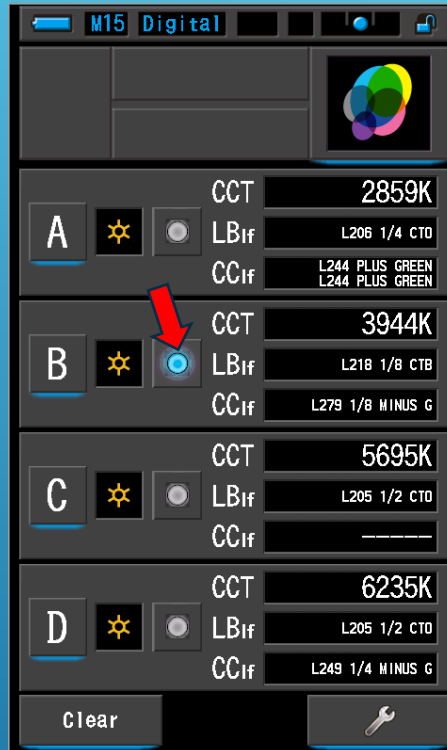
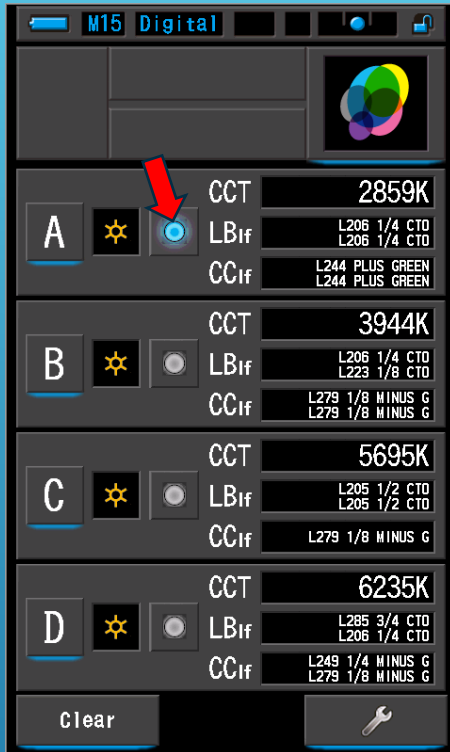
[Triangle] Close [Wrench]

M 5

Set the measured value.  
Are you sure?

Yes No

# Multi Lights



Selecting Main light adjusts other light filtration to match Main light.

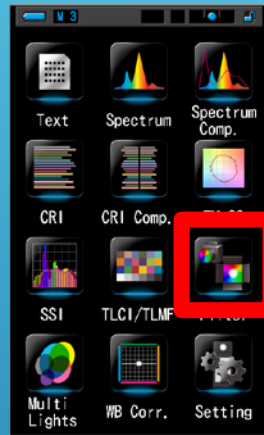
# Filter – Lighting/Camera

## Camera Filter



Camera Filter control panel showing various settings. A yellow box highlights the camera icon in the top right. A yellow box highlights the camera icon in the bottom left. The settings are as follows:

Parameter	Value
Target	5000K
CCT	4041K
LBi	-47MK <sup>-1</sup>
LB <sub>cf</sub>	80D, 82
CCi	1.2M
CC <sub>cf</sub>	CC05M
Brand	KODAK WRATTEN 2




Filter selection menu with a red box highlighting the camera filter icon. The menu includes the following options:

- Text
- Spectrum
- Spectrum Comp.
- CRI
- CRI Comp.
- SSI
- TLCI/TLMF
- Multi Lights
- WB Corr.
- Setting



## Lighting Filter



Lighting Filter control panel showing various settings. A yellow box highlights the lighting filter icon in the top right. A yellow box highlights the camera icon in the bottom left. The settings are as follows:

Parameter	Value
Target	5000K
CCT	4041K
LBi	-47MK <sup>-1</sup>
LB <sub>lf</sub>	L202 1/2 CTB
CCi	1.2M
CC <sub>lf</sub>	L249 1/4 MINUS G
Brand	LEE

You can switch between Camera filter or Lighting filter with this icon

# Filter – Lighting/Camera

Camera Filter

Lighting Filter

Target 5000K

CCT 4041K

LBi -47MK<sup>-1</sup>

LBcf 80D, 82

CCi 1.2M

CCcf CC05M

Brand KODAK WRATTEN 2

This screenshot shows the main camera settings menu. The 'Brand' field is highlighted with a yellow box. A yellow arrow points from this box to the 'Camera Filter Brand' selection screen.

Camera Filter Brand

KODAK WRATTEN 2

FUJIFILM

LEE

OK Cancel

This screenshot shows the 'Camera Filter Brand' selection screen. The 'KODAK WRATTEN 2' option is highlighted with a blue box. The 'OK' and 'Cancel' buttons are at the bottom.

Lighting Filter Brand

LEE

ROSCO CINEGEL

ROSCO E-COLOUR+

OK Cancel

This screenshot shows the 'Lighting Filter Brand' selection screen. The 'LEE' option is highlighted with a blue box. The 'OK' and 'Cancel' buttons are at the bottom.

Target 5000K

CCT 4041K

LBi -47MK<sup>-1</sup>

LBIf L202 1/2 CTB

CCi 1.2M

CCIf L249 1/4 MINUS G

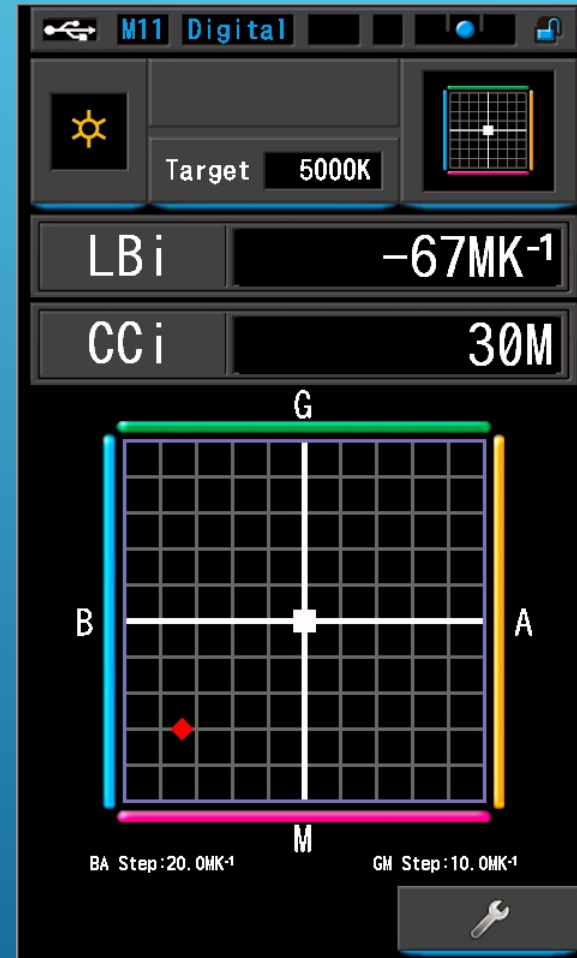
Brand LEE

This screenshot shows the main camera settings menu. The 'Brand' field is highlighted with a yellow box. A yellow arrow points from this box to the 'Lighting Filter Brand' selection screen.



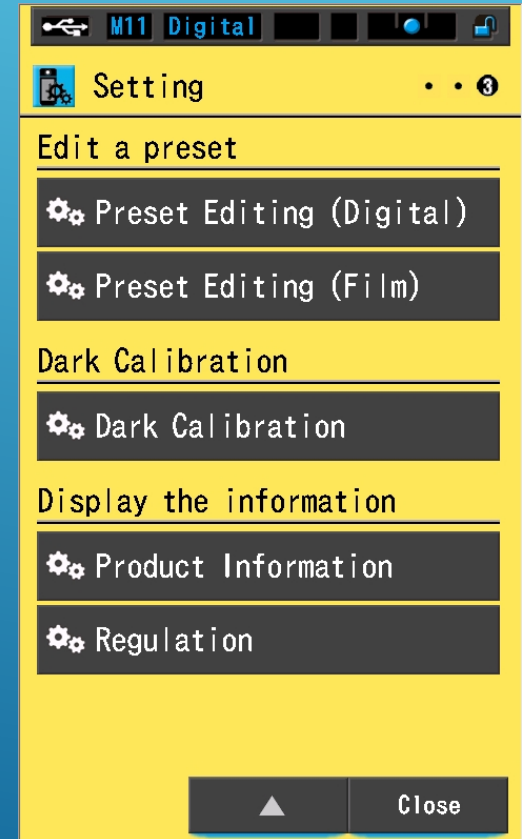
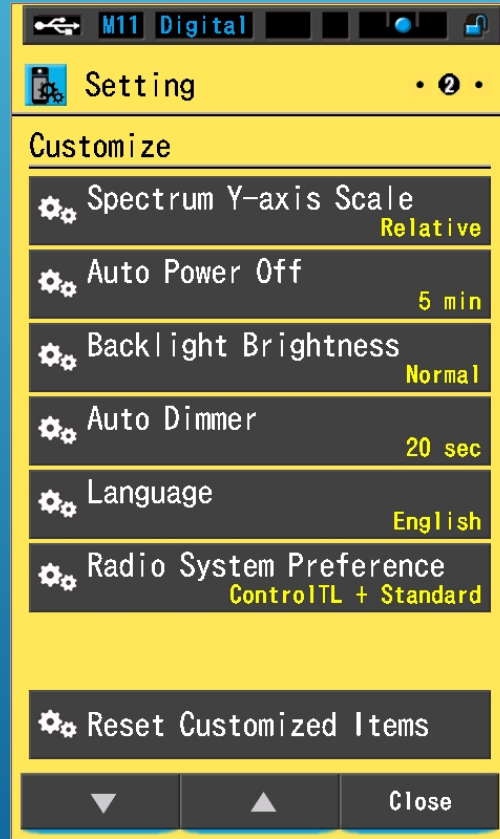
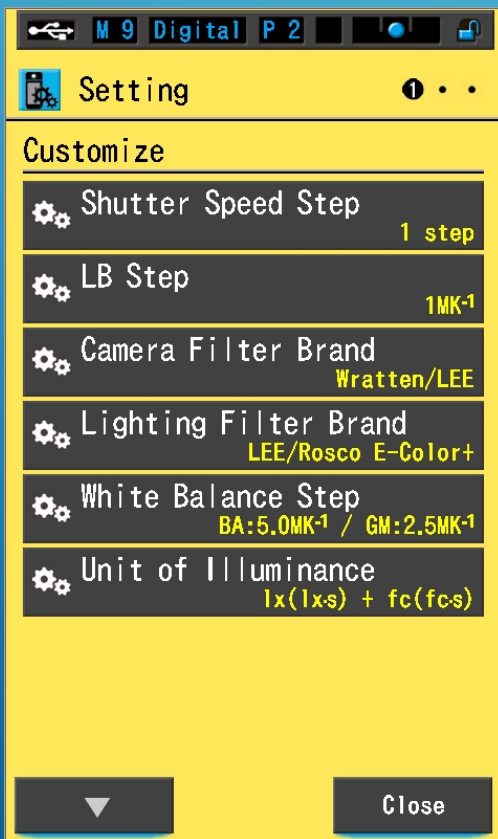
# White Balance Correction

Displays the difference between the current measurement value and the target color temperature in a white balance correction graph.



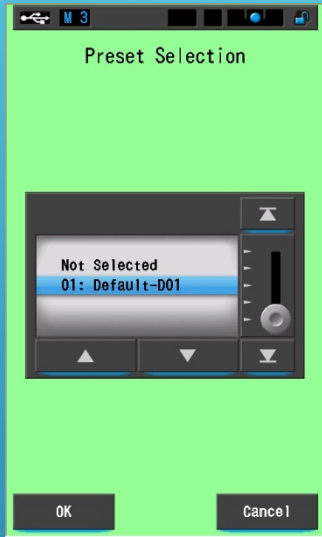
# Settings

- Customize
- Edit a Preset
- Dark Calibration
- Display the Information

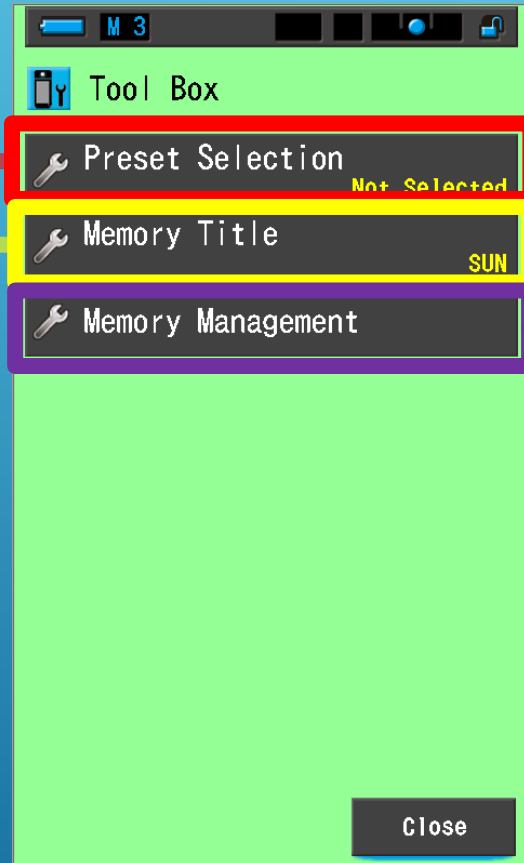
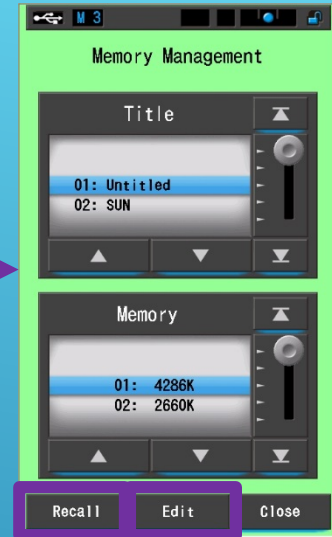


# Tool Box

## Preset Selection



## Memory Management



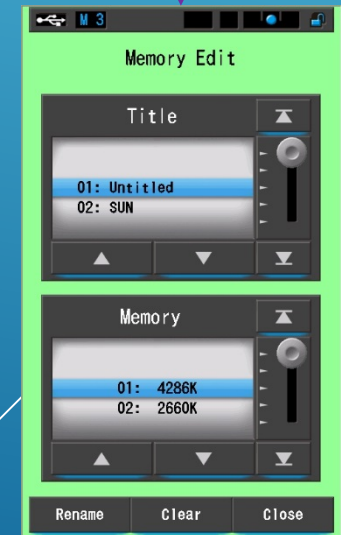
## Memory Title



## Recall



## Edit



***SEKONIC***

