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C-700 Series New Firmware Release Note

1. Release Note

1) Method of determining the filter compensation value in DIGITAL mode is changed. Difference between previous versions and the latest version are as follows:

Up to V24	LB filters and CC filters display are simply calculated on the basis of LB index CC index.
From V25	Combination of LB filters and CC filters are selected to match to the target color temperature.

2) The display specification of Multi Light Mode is also changed with this firmware improvement.

<NOTE> This improvement only applies to DIGITAL mode, it is not necessary for FILM mode.

2. Note for F/W Update

Any values that are displayed on Multi Lights mode screen will be deleted when upgrading firmware to version 25 because the calculation method has been changed.

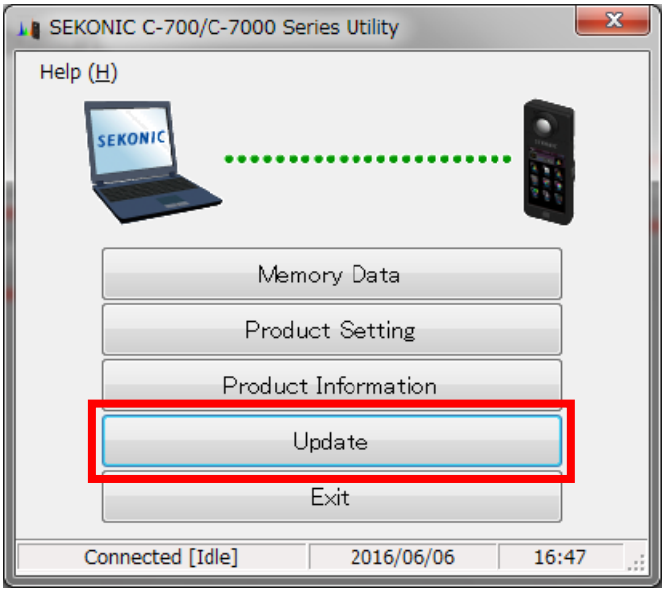
* Values that have been memorized (pressing Memory button after measurement) will NOT be deleted.

3. How to Update

Launch the SEKONIC C-700/C-7000 Series Utility, connect the meter and computer via USB cable and turn on the power of meter.

Press “Update” button on the screen.

Follow the instruction on the screen to update the meter firmware.

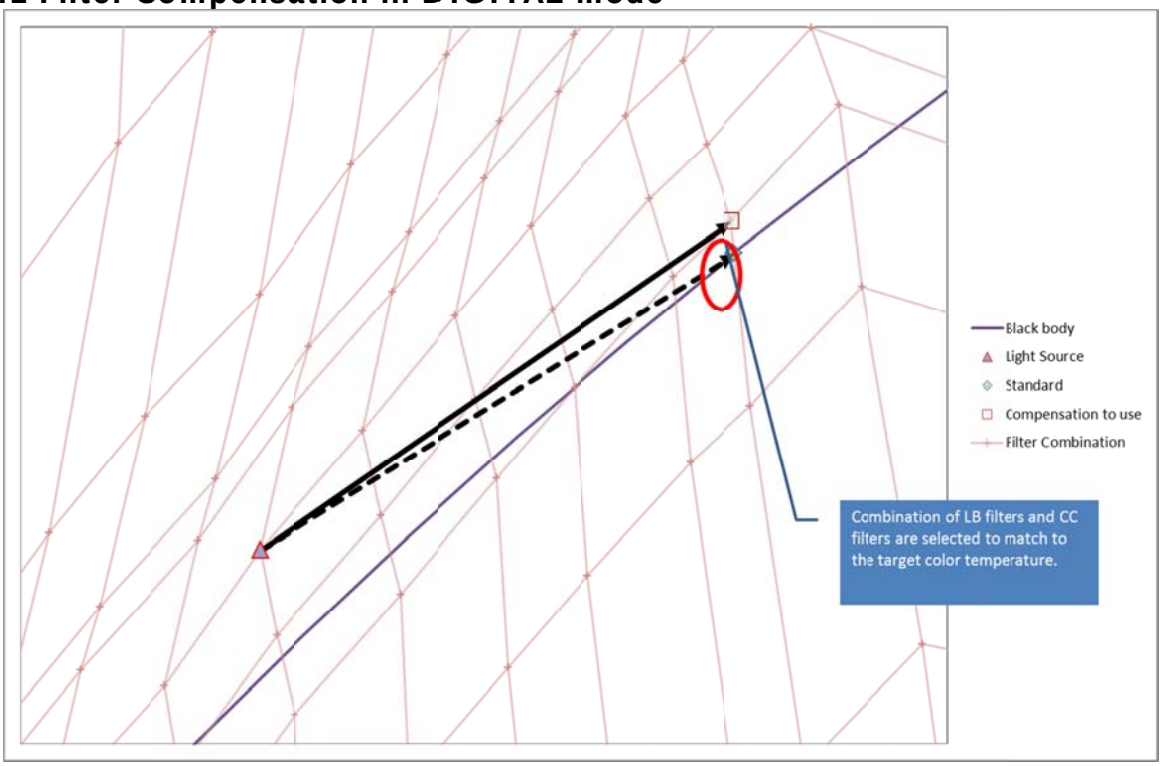


4. Contents of Improvement

1) Method of determining the filter compensation value in DIGITAL mode is changed. Difference between previous versions and the latest version are as follows:

Up to V24	LB filters and CC filters display are simply calculated on the basis of LB index and CC index.
From V25	Combination of LB filters and CC filters are selected to match to the target color temperature.

Fig.1 Filter Compensation in DIGITAL mode



a. In DIGITAL Mode, filter compensationn values are not correlated with the LB index and CC index.
b. Operating manual discription for LB index and CC index found in “9-2. Filter Types”, page 186 refers to FILM mode only.
c. Firmware programming is designed to produce a correct filter compensation display with the following combinations:

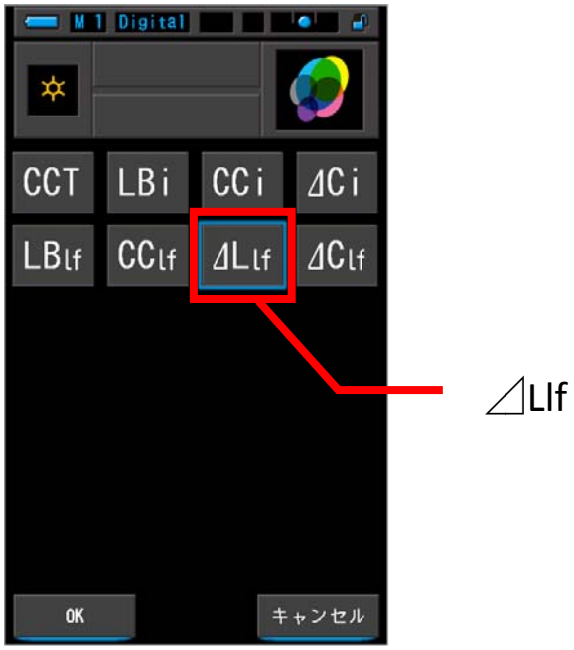
Display Mode	Base for Display	Display combinations
Multi Lights Display	Black body values	LBlf+CClf
	User-selected standard light source	⊿LIf+⊿CIf
Other displays	Camera filter display	LBcf+CCcf
	Lighting filter display	LBlf+CClf

Correct compensation is not possible when both camera and light filtration display is selected or only one filter is used. Ex. LBlf+CCcf will not produce a correct display.

2) The display specification of Multi Lights mode in DIGITAL mode is changed with this firmware improvement.

a. The ⊿Llf (⊿LB lighting filter) function has been added to display the closest LB compensation value to the user-selected target light source
   - ⊿Llf should be used with ⊿Clf only.
   - ⊿Llf can be selected in Item Library by touching Item in the Measuring screen in Multi Lights Display mode.

Fig. 2 Item Library Selection screen



b. If a “Standard” light source is not selected, compensation values are displayed as follows.

Fig. 3 Compensation value if standard light source is not selected.

LBlf, CClf	The closest filter compensation to color temperature on the black body line is displayed.
⊿LIf, ⊿CIf	"*****" is displayed because standard light source is not selected.

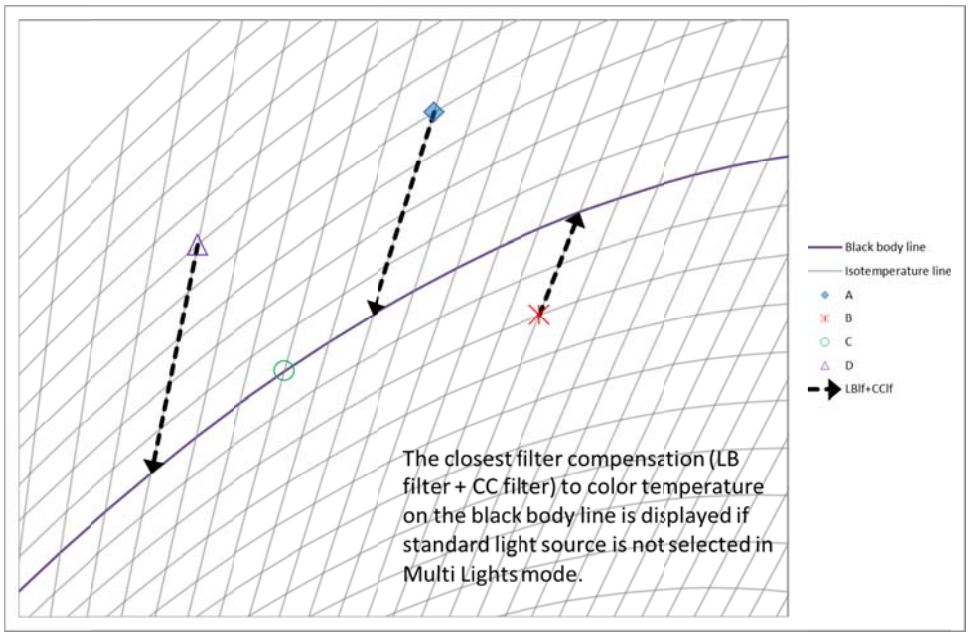
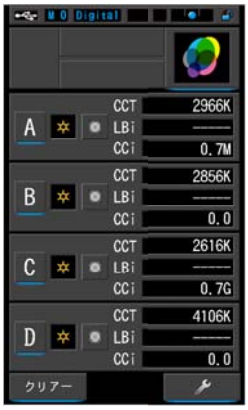
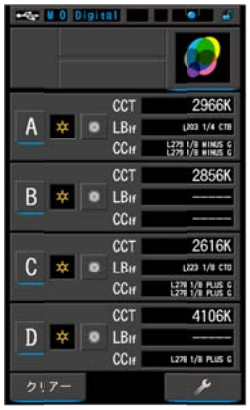


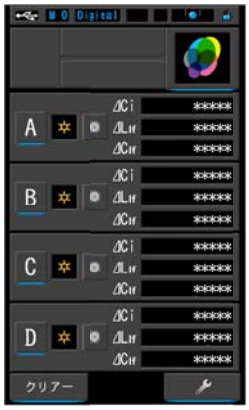
Fig. 4 Examples of screens when standard light source is not selected.



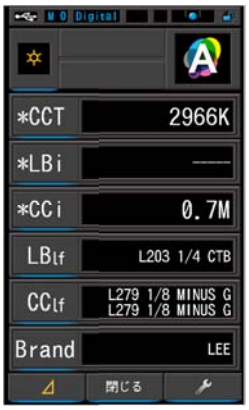
CCT + LB index + CC index



CCT + LB lighting filter + CC lighting filter



⊿CC index + ⊿LB lighting filter + ⊿CC lighting filter



Single measurement display (default)

Single measurement display (⊿CC index + ⊿LB lighting filter + ⊿CC lighting filter)

c. If a “Standard” light source is selected, compensation values are displayed as follows.

Fig. 5 Compensation value if standard light source is selected.

LBlf, CClf	The closest filter compensation to color temperature of user-selected standard light source on the black body line is displayed.	
⊿Llf, ⊿Clf	Standard light source	"******" is displayed (because it is itself)
	Other light sources	The closest filter compensation to user-selected standard light source is displayed.

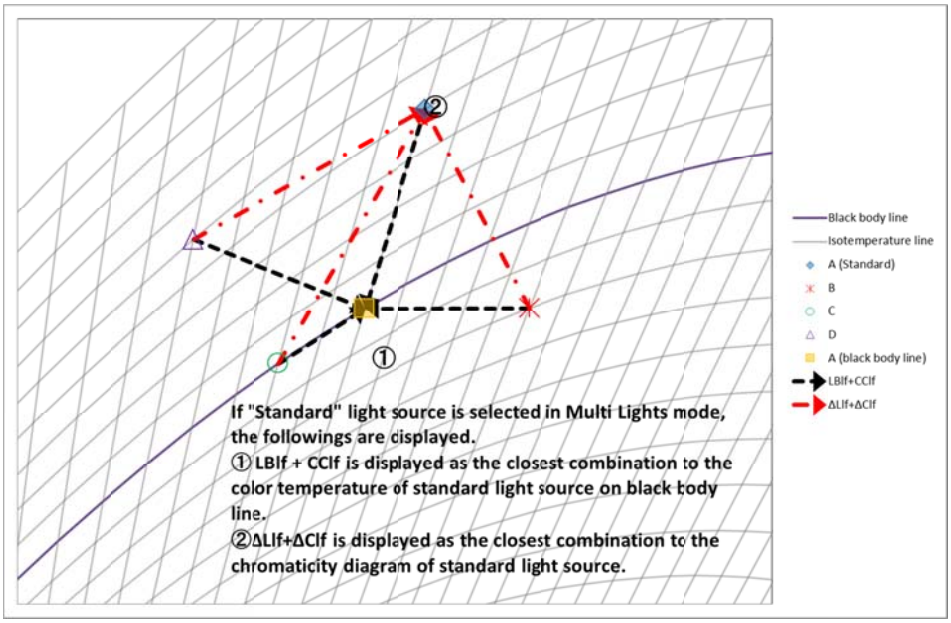
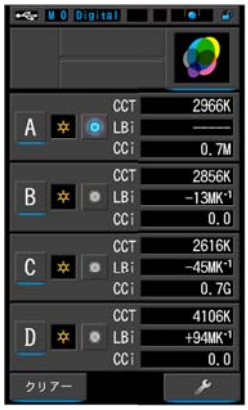
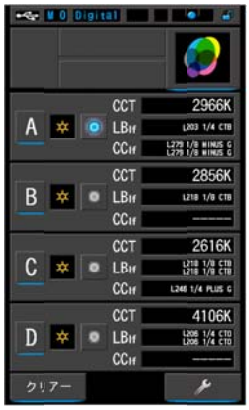


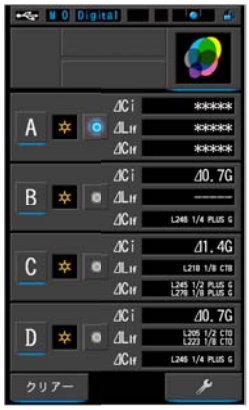
Fig. 6 Examples of screens when “A” is selected as the standard light source



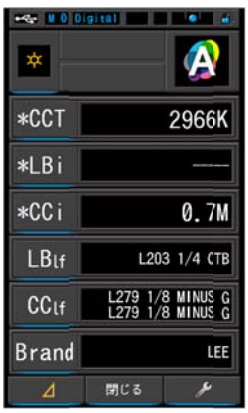
CCT + LB index + CC index



CCT + LB lighting filter + CC lighting filter

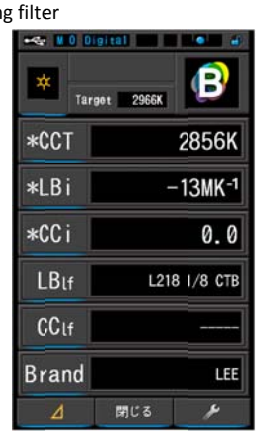


⊿CC index + ⊿LB lighting filter + ⊿CC lighting filter



Standard light source (default)

Standard light source (⊿CC index + ⊿LB lighting filter + ⊿CC lighting filter)



Another light source (default)

Another light source (⊿CC index + ⊿LB lighting filter + ⊿CC lighting filter)