
Quick Start Guide

Celeb 850 LED DMX

(True Match® Firmware 5.0)

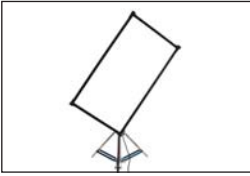
(RDM)



KINO FLO
Lighting Systems

Celeb 850 LED DMX Fixture

Celeb 850 Center Mount



CEL-850CU Celeb 850 LED DMX Center, Univ

Celeb 850 Yoke Mount



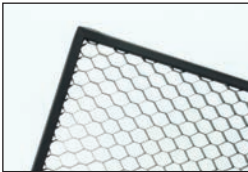
CEL-850YU Celeb 850 LED DMX Yoke, Univ

Celeb 850 Pole-Op



CEL-850PU Celeb 850 LED DMX Pole-Op, Univ

Included w/ Celeb 850



LVR-CE890 Celeb 850 Louver-Honeycomb, 90°

Celeb 850 LED DMX Kits



**Celeb 850 LED
DMX Center Kit**

KIT-C850U

Celeb 850 LED DMX Center Mount Kit, Univ

Kit Contents:

- 1 Celeb 850 LED DMX Center Mount
- 1 Ship Case

Weight: 74 lb (33.5kg)

Dimensions: 52 x 10 x 30.5" (132 x 25 x 77cm)



**Celeb 850 LED
DMX Yoke Kit**

KIT-C850YU

Celeb 850 LED DMX Yoke Mount Kit, Univ

Kit Contents:

- 1 Celeb 850 LED DMX Yoke Mount
- 1 Jr. Pin
- 1 Ship Case

Weight: 78 lb (35kg)

Dimensions: 53.5 x 10 x 36" (136 x 25 x 91cm)

Fixture Power



AC Input

The Celeb is powered AC and includes an IEC connection. A locking power cord is included with the fixture. To remove the plug, move the red tab to release. The fixture has a built-in power supply with universal input from 100-240VAC.

Note:

The Celeb 850 Center Mount is shown for example purposes only. The IEC power cords for the Celeb 850 Yoke Mount and Pole-Op are in a different location.

Ambient Operating Temperature

The Celeb is designed to operate at temperatures from 14°F to 104°F (-10°C to 40°C).

Control Panel - White Mode



A B

C D E

F G

H

A) On /Off: **On** = Green light displayed. **Off** = Red light displayed. The display and all menu settings can be operated while the power button is in the Off position, as long as power is applied to the controller. The On /Off button only controls the light source.

B) Menu: Provides access to menu options such as General settings, Reset, DMX, DMX Wireless, Camera LUT and Color Space.
Shortcut: While on control screen, press and hold for 3 seconds to switch through menus (**White, Gels & Hue, RGB, CIE xy and FX**).

C) Preset Buttons: Factory defaults left to right are: 2700K, 3200K, 5000K and 6500K. G/M default value is 000. User can also use these preset buttons to store custom Kelvin and G/M settings.

D) Display: Provides access to Dim, Kelvin, G/M, and DMX channel.
Factory reset will show: Dim = 10%, Kelvin = 2700K, G/M = 000, DMX = 001.

E) Lock: Press the **Lock** button to disable all buttons and Control knob.
Press for 3 seconds to restore displayed presets to default factory settings.

F) Mode: Press to navigate from Dim to Kelvin and G/M settings.
When in sub-menus, pressing Mode always returns you to main display.
When DMX is applied, use Mode to access DMX channel on main display.
Shortcut: Long press will bring you back one step.

G) Data Port: Mini B USB for firmware updates.

H) Control Knob: Manually adjusts Dim, Kelvin, G/M levels and DMX address.
Press the Control knob to toggle between **Fine** and **Coarse** increments or when selecting options within menus.

DMX Note: Each LED Fixture has an **"AUTO TERMINATE"** feature.
The last fixture that does not have an XLR cable attached to the DMX "Out" port will automatically terminate.

Control Panel - Gels/Hue Mode



Gels/Hue Mode

A) Menu:

Provides access to menu options such as General settings (**Gels/Hue Mode**), Reset, DMX, DMX Wireless, Camera LUT and Color Space.

Shortcut: While on control screen, press and hold for 3 seconds to switch through menus (**White, Gels & Hue, RGB, CIE xy and FX**).

B) Preset Buttons:

Factory defaults left to right are: 2700K, 3200K, 5000K and 6500K.

G/M default value is 000. User can also use these preset buttons to store custom Kelvin between 2500K and 9900K and custom G/M, Gel, Hue and Saturation settings.

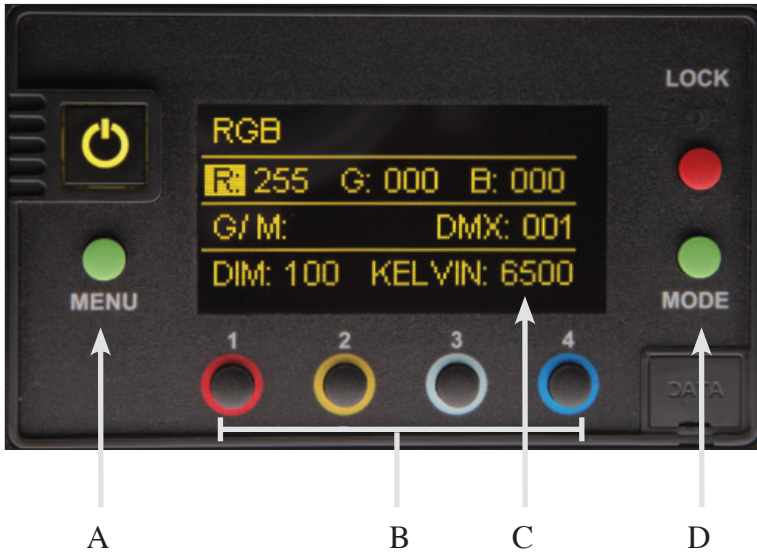
C) Display:

Provides access to Dim, Kelvin, G/M, Gel, Hue/Saturation and DMX channel. Factory reset will show: Dim = 10%, Kelvin = 2700K, G/M = 000, DMX = 001.

D) Mode:

Press to navigate from Dim to Kelvin, G/M, Gel, Hue and Saturation settings. When on the Gel function, pushing the Control knob in/out will apply the gel or remove the gel. When in sub-menus, pressing Mode always returns you to main display. When DMX is applied, use Mode to access DMX channel on main display. Shortcut Tip: Long press will bring you back one step.

Control Panel - RGB Mode



RGB Mode

A) Menu:

Provides access to menu options such as General settings (**RGB Mode**), Reset, DMX, DMX Wireless, Camera LUT and Color Space.

Shortcut: While on control screen, press and hold for 3 seconds to switch through menus (**White, Gels & Hue, RGB, CIE xy and FX**).

B) Preset Buttons:

Factory defaults left to right are: 2700K, 3200K, 5000K and 6500K.

G/M default value is 000. User can also use these preset buttons to store custom Kelvin between 2500K and 9900K and custom G/M, and RGB settings.

C) Display:

Provides access to Dim, Kelvin, G/M, RGB and DMX channel.

Factory reset will show: Dim = 10%, Kelvin = 2700K, G/M = 000, DMX = 001.

D) Mode:

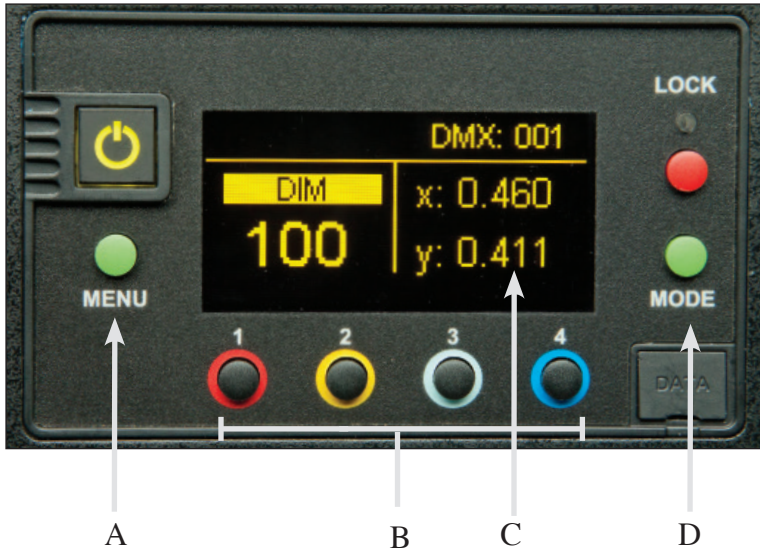
Press to navigate from Dim to Kelvin, G/M, RGB settings.

When in sub-menus, pressing Mode always returns you to main display.

When DMX is applied, use Mode to access DMX channel on main display.

Shortcut: Long press will bring you back one step.

Control Panel - CIE xy



CIE xy Mode

A) Menu:

Provides access to menu options such as General settings (**CIE xy mode**), Reset, DMX, DMX Wireless, Camera LUT and Color Space.

Shortcut: While on control screen, press and hold or 3 seconds to switch through menus (**White, Gels & Hue, RGB, CIE xy and FX**).

B) Preset Buttons:

Factory defaults left to right are: 2700K, 3200K, 5000K and 6500K. User can also use these preset buttons to store custom xy settings.

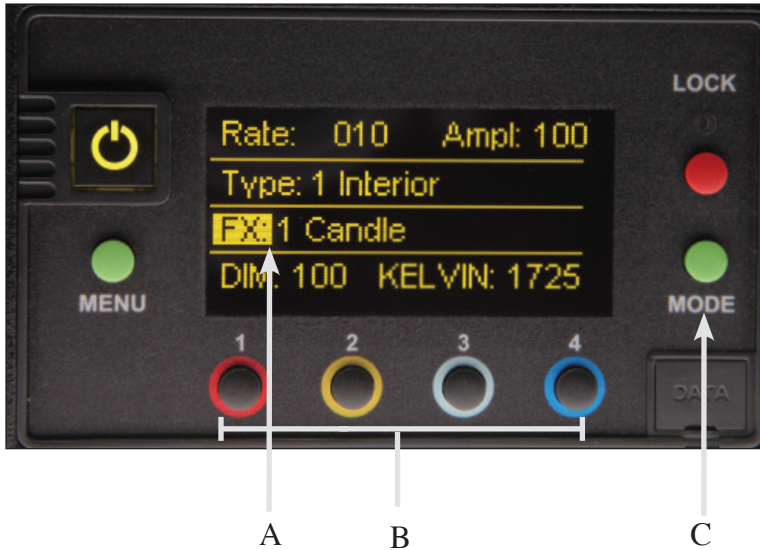
C) Display:

Provides access to Dim, CIE xy coordinates and DMX Channel. Factory reset will show: Dim = 10%, x = 0.460 , y = 0.411, G/M = 000, DMX = 001.

D) Mode:

Press to navigate from Dim to xy settings. When in sub-menus, pressing Mode always returns you to main display. When DMX is applied, use Mode to access DMX channel on main display. Shortcut: Long press will bring you back one step.

Control Panel - FX (Effects)



FX (Effects) Mode

FX mode provides access to effects including Candle, Fire, TV, Police, Lightning, Paparazzi, Pulse and Scroll. Candle mode used as an example:

A) FX Option:

Choose the desired FX Mode by rotating the control knob. When on the desired effect, there will be several pre-programmed effects as well as control parameters that can be altered.

B) Preset Buttons:

In FX Mode, **Kelvin** custom settings and any control functions displayed such as **Rate** and **Amplitude (Ampl)** can be saved as a preset. Chosen values can be assigned to any preset button by holding down the desired button for 3 seconds. The Kelvin display will flash once the setting is registered.

To restore presets to default factory settings, choose **Reset** under **General** settings and Clear Presets. This method will reset all buttons in all Modes. Shortcut: If only want to clear presets for **Candle** Mode, hold **Lock** button for 3 seconds while Candle mode is displayed.

C) Mode:

Press to navigate from Dim to Kelvin and FX settings.
Shortcut: Long press will bring you back one step.

Camera LUT



The **Camera LUT** (Look-up Tables) feature harmonizes the Kino Flo light sources to the camera. Depending on the camera and the Kelvin setting, some differences are very subtle, while others can be more dramatic.

The corrections are applied as a **CIE xy** correction at each CCT (Kelvin) setting. The default setting is targeting the CIE xyz response (human eye).

Press the green menu button to the left of the display screen and scroll down to **Camera LUT**, then press the control knob. Menu with camera selection will be displayed. Turn the control knob and press to select camera setting:

- C1 Arri Alexa**
- C2 Sony Venice**
- C3 Panavision DXL**
- C4 Panasonic Varicam**

The camera code (C1 for Arri Alexa), for example, will appear on the main menu between **DIM** and **CCT** to designate that a camera setting is active.

Note: When the controller is reset, the camera settings will go to Kino Flo Default mode.

Color Space



Color Space defines the RGB color space used and only affects color – not Kelvin. It is used in **RGB mode** and **Hue Angle** and **Saturation**. There are a few instances in the FX (Effects) mode that are also affected when color is used. The RGB color space defines the value of Red, Green, and Blue primaries (in CIE xy) and the white point is fixed at 6500 Kelvin.

Press the green menu button to the left of the display screen and scroll down to **Color Space**, then press the control knob. Menu with color selection will be displayed. Turn the control knob and press to select Color Space options:

rec 709 / sRGB
P3 D65
rec 2020

The color space **rec 709 / sRGB** is commonly used on computer monitors, SDTV and HDTV television. There are slight gamma variations between rec 709 / sRGB, but not enough to separate into 2 color spaces.

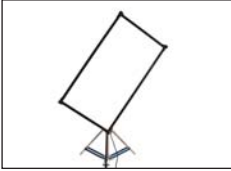
The color space **P3 D65** is a common color space for digital movie projection. The color space **rec 2020** is used in ultra high definition television (UHDTV).

The color space is used when the controller is set to the RGB mode and when set to the Hue Angle/ Saturation mode.

In **RGB mode** – the color space designation will be displayed at the top of the menu. When changing the Red, Blue or Green values, the Kelvin will be locked in at 6500 for all color spaces. When the Kelvin is locked in, CCT will be displayed as CCT*. When using Green/Magenta the CCT value is unlocked and color space selection has no impact.

In **Hue Angle/Saturation** mode – the color space designation will be displayed on the Gel line and GEL will be displayed as GEL* and CCT will be displayed as CCT*. The Color space will be displayed only when Hue Angle and Saturation are being used. When using Green/Magenta or Gel, the CCT will be unlocked and color space selection has no impact.

Fixture Specifications



**Celeb 850 LED
DMX Center**

CEL-850CU Celeb 850 LED DMX Center Mount, Univ

AC Input Voltage: 100~240VAC 50/60Hz, 575W
Amperage VAC: 5.0A at 120VAC, 2.5A at 230VAC
Kelvin Range: 2500K~9900K
Dimming Range: 100%~1%
Weight: 40 lb (18kg)
Dimensions: 45 x 6 x 25.5"
(114 x 15 x 65cm)



**Celeb 850 LED
DMX Yoke**

CEL-850YU Celeb 850 LED DMX Yoke Mount, Univ

AC Input Voltage: 100~240VAC 50/60Hz, 575W
Amperage VAC: 5.0A at 120VAC, 2.5A at 230VAC
Kelvin Range: 2500K~9900K
Dimming Range: 100%~1%
Weight: 38 lb (17kg)
Dimensions: 50 x 5 x 28"
(127 x 13 x 71cm)



**Celeb 850 LED DMX
Pole-Op**

CEL-850PU Celeb 850 LED DMX Pole-Op, Univ

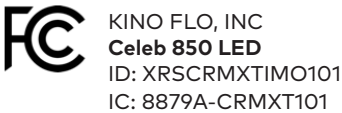
AC Input Voltage: 100~240VAC 50/60Hz, 575W
Amperage VAC: 5.0A at 120VAC, 2.5A at 230VAC
Kelvin Range: 2500K~9900K
Dimming Range: 100%~1%
Weight: 38 lb (17kg)
Dimensions: 50 x 5 x 28"
(127 x 13 x 71cm)

FCC Part 15 Verification:

This device complies with Part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference.

FCC Part 15 Declaration of Conformity:

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.



The light source of this luminaire is not replaceable; when the light source reaches its end of life the whole luminaire shall be replaced. The luminaire is intended for professional use only.



For full operation manual, latest Warranty information and Certifications, see Kino Flo website at www.kinoflo.com.

Environmental: Disposal of Old Electrical & Electronic Equipment.



This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. This product is made of recyclable materials and should be disposed of in accordance with governmental regulations.

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