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# Operation Manual

## Celeb 250/450/450Q

### LED DMX

(True Match<sup>®</sup> Firmware 5.0)

(RDM)



**KINO FLO**  
Lighting Systems

# Celeb LED DMX Systems

## Center Mount



**CEL-250CU** Celeb 250 LED DMX Center, Univ

**CEL-450CU** Celeb 450 LED DMX Center, Univ

## Yoke Mount



**CEL-250YU** Celeb 250 LED DMX Yoke, Univ

**CEL-450YU** Celeb 450 LED DMX Yoke, Univ

**CEL-450QU** Celeb 450Q LED DMX Yoke, Univ

## Pole-Op

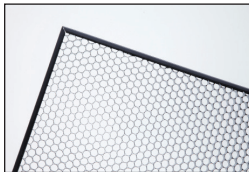


**CEL-250PU** Celeb 250 LED DMX Pole-Op, Univ

**CEL-450PU** Celeb 450 LED DMX Pole-Op, Univ

**CEL-450QPU** Celeb 450Q LED DMX Pole-Op Univ

# Included w/ all Celeb Models



**LVR-CE290-P** Celeb 250 Louver/HP, 90°

**LVR-CE490-P** Celeb 450 Louver/HP, 90°

**LVR-CE490-QP** Celeb 450Q Louver/HP, 90°

# Celeb 250 LED DMX Kits



**Celeb 250 LED  
DMX Center Kit**

## **KIT-C250U**

Celeb 250 LED DMX Center Mount Kit, Univ

### **Kit Contents:**

1 Celeb 250 LED DMX Center Mount  
1 Flight Case

**Weight:** 31 lb (14kg)

**Dimensions:** 29 x 10.5 x 17" (74 x 27 x 43cm)



**Celeb 250 LED  
DMX Yoke Kit**

## **KIT-C250YU**

Celeb 250 LED DMX Yoke Mount Kit, Univ

### **Kit Contents:**

1 Celeb 250 LED DMX Yoke Mount  
1 Jr. Pin  
1 Ship Case

**Weight:** 40 lb (18kg)

**Dimensions:** 32.5 x 8.5 x 24" (83 x 22 x 61cm)

# Celeb 450 LED DMX Kits



**Celeb 450 LED  
DMX Center Kit**

## **KIT-C450U**

Celeb 450 LED DMX Center Mount Kit, Univ

### **Kit Contents:**

1 Celeb 450 LED DMX Center Mount  
1 Flight Case

**Weight:** 52.5 lb (24kg)

**Dimensions:** 53.5 x 11 x 16.5" (136 x 28 x 42cm)



**Celeb 450 LED  
DMX Yoke Kit**

## **KIT-C450YU**

Celeb 450 LED DMX Yoke Mount Kit, Univ

### **Kit Contents:**

1 Celeb 450 LED DMX Yoke Mount  
1 Jr. Pin  
1 Ship Case

**Weight:** 57 lb (26kg)

**Dimensions:** 54.5 x 9.5 x 25" (138.5 x 24 x 63.5cm)

# Celeb 450Q LED DMX Kit



**Celeb 450Q LED  
DMX Yoke Kit**

## **KIT-C450QU**

Celeb 450Q LED DMX Yoke Mount Kit, Univ

### **Kit Contents:**

1 Celeb 450Q LED DMX Yoke Mount  
1 Jr. Pin  
1 Ship Case

**Weight:** 52 lb (24kg)

**Dimensions:** 34.5 x 8.5 x 33" (88 x 22 x 84cm)

# Center Mount



MTP-LBC



Mounted on a baby stand



Mounted to pipe grid

The **Celeb 250 Center Mount** fixture includes a Lollipop w/ Baby Receiver (16mm) (**MTP-LBC**) which allows the fixture to be mounted directly onto a baby stand or hung from a grid with a baby pipe clamp.

Note: The handles on the back of the fixture provide an attachment point for a safety chain.



Turn the knob to loosen or tighten the orientation of the mount.



MTP-LM



Mounted to pipe grid



The **Celeb 450 Center Mount** fixture includes a Lollipop w/ Junior Pin (28mm) (**MTP-LM**) which allows the fixture to be mounted directly onto a junior stand or hung from a grid with a junior pipe clamp.

A 180° turn loosens the orientation of the mount. A right turn tightens the mount. The tension on the lock lever may be adjusted by pulling the handle away from the mount. This disengages the handle from the screw mechanism and allows the lever to be reoriented. You can also use a screwdriver to adjust the tension. Pull back on handle and adjust screw.

## Baby Offset Arm



**MTP-B41F** Kino Offset  
w/ Baby Receiver  
(16mm)



The Kino Offset w/ Baby Receiver (**MTP-B41F**) allows the **Celeb 250 Center Mount** to mount on the center of a stand or it can also be under slung from a baby stand to use as an up light. It cannot be used with the Celeb 450 due to weight capacity.

## Yoke Mount



**MTP-I40**



**MTP-I80**

The yoke has a 1/2" hole to accept industry standard mounting hardware.

The **Celeb 250 Yoke Mount** fixture can hang from a grid by a baby pipe hanger using a Baby Receiver Assembly for Yoke (**MTP-I40**), sold separately or a junior pipe hanger using a Junior Pin Assembly for Yoke (**MTP-I80**), also sold separately. The **Celeb 450 Yoke Mount** and **Celeb 450Q Yoke Mount** can also hang by a junior pipe hanger with the **MTP-I80**.

**Warning:** Use only M5 X 10mm screws (supplied) to assemble yoke. Note that threads on the fixture are self-locking and may seem tight. Replacement screws: Part No. **2020127**

Recommended torque setting:

**USA: 18 lb-in**

**Metric: 2 Nm**

# Pole-Op



The Pole-Op fixtures include a yoke with an attached junior pin. They can be hung from a grid with a Junior pipe hanger.



Junior pin attached to Pole-Op Yoke

# Operating Pole-Op



The **Blue** cup alters the **Pan** (left or right).

The **White** cup alters the **Tilt** (up or down).



**Warning!** Do not pull yoke to adjust tilt. Turn the white knob counter clockwise to angle the yoke 90°. (ParaBeam shown for illustration purposes only.)

# Mount Options



## Rope Hang

Accessory holders are also designed to enable 4-point rope hangs for specialty rigging applications.



The Celeb Support w/ Pin (**MTP-CE**) can be used with the Celeb 250 as additional mount points, for example, car rigs, etc.

MTP-CE

# Inserting Louver



The Celeb includes spring loaded accessory holders to hold the Honeycomb Louver.

Place the long edge of the Honeycomb Louver into the lower channel.

Press down on the left and right corners of the Louver and slip the upper edge into the upper channel of the fixture. To remove, reverse the procedure.

**Note:** Do not press down along the top center portion of the Louver. Doing so may deform the Louver over repeated usage.



## SnapBag & SnapGrid



The SnapBag accessory is a lightweight fabric tailor-made for the Celeb LED. It slips over the fixture and is attached with straps. The reflective material intensifies the soft light. The removable Magic cloth or Grid cloth attaches to the inside with Velcro.



The SnapGrid accessory is constructed of pre-stretched fireproof fabric with a built-in stainless steel frame. It unfolds and snaps into place. This model requires the use with the corresponding SnapBag; it is not designed to be used by itself.

# Inserting Barndoors



**BRD-CE2**

Position the barndoors alongside the extruded edge of the fixture. Align the thumbscrews with the adjustable receptacle holes in the fixture and insert into place. Lock the barndoors by turning the silver thumbscrew.

To remove, reverse the procedure.

For replacement screws, use M5 Metric size screws.

Note: To adjust the placement of the receptacle holes, use a pointed tool (such as a pen) to slide the holes within the extruded edge.

# 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 250 is shown for example purposes only. The IEC power cords for the Celeb 450 and 450Q are in a different location.



## DC Input

The Celeb 250 can also be operated on 24VDC (input range 18-36VDC) through a 3-Pin XLR. A low voltage warning will display "**LPWR**" when the battery is running low.

The pin polarity is:  
Pin #1 – Ground  
Pin #2 + 18-36VDC  
Pin #3 not used

## 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.

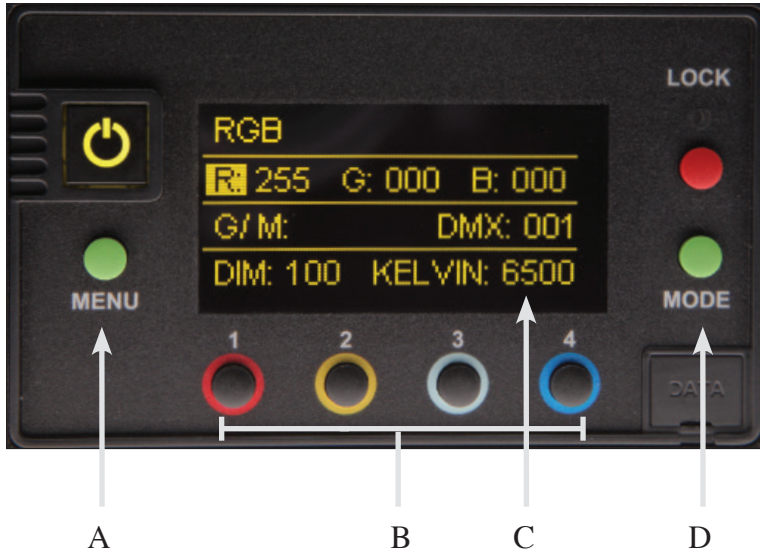
### C) Display:

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:

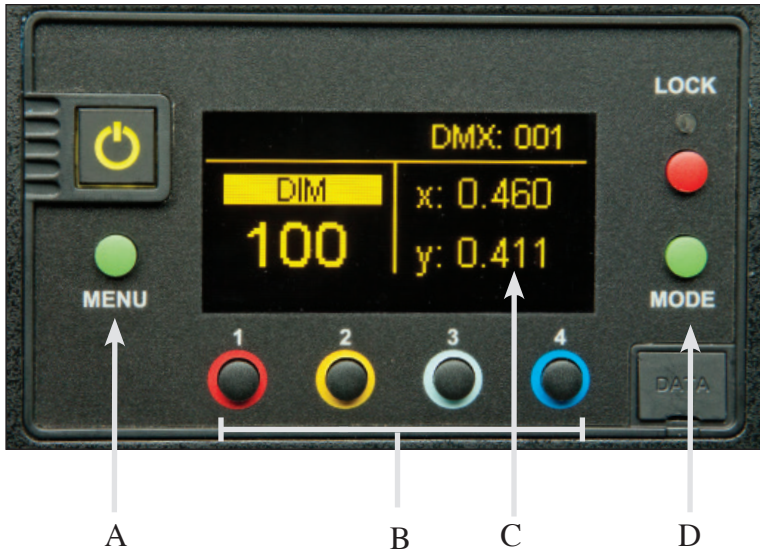
Provides access to Dim, Kelvin, G/M, RGB and DMX channel.  
Factory reset will show: Dim = 10%, Kelvin = 2700K, G/M = 000, DMX = 001.

### 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.

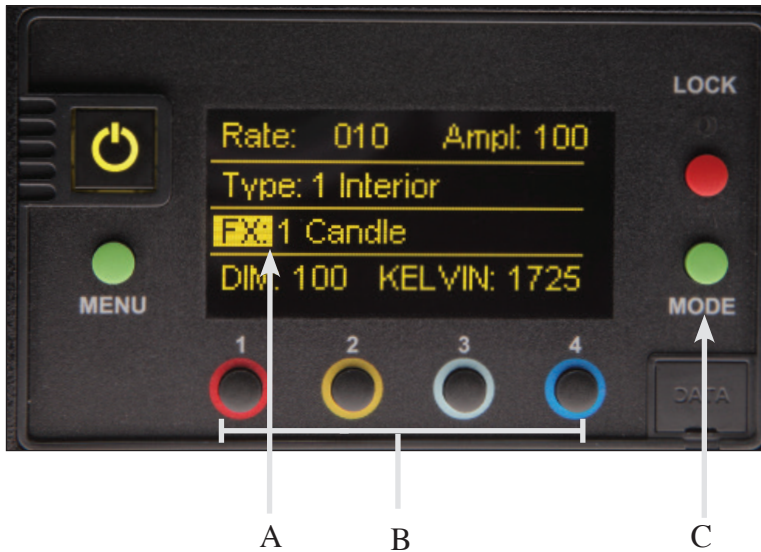
### C) Display:

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.

# Accessories



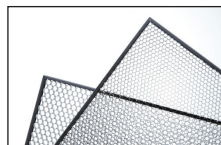
- BRD-CE2** Celeb 250 Barndoors (Set of 4)  
**BRD-CE4** Celeb 450 Barndoors (Set of 4)  
**BRD-CE4-Q** Celeb 450Q Barndoors (Set of 4)



- DFS-CE200-S** Celeb 250 SnapBag w 2 x Diffusion  
**DFS-CE400-S** Celeb 450 SnapBag w 2 x Diffusion  
**DFS-CE400Q-S** Celeb 450Q SnapBag w 2 x Diffusion



- LVR-FS240-S** Celeb 250 SnapGrid, 40°  
**LVR-CE440-S** Celeb 450 SnapGrid, 40°  
**LVR-CE440Q-S** Celeb 450Q SnapGrid, 40°



- LVR-CE290-P** Celeb 250 Louver/HP 90°  
**LVR-CE260-P** Celeb 250 Louver/HP 60°  
**LVR-CE490-P** Celeb 450 Louver/HP 90°  
**LVR-CE460-P** Celeb 450 Louver/HP 60°  
**LVR-CE490-QP** Celeb 450Q Louver/HP 90°  
**LVR-CE460-QP** Celeb 450Q Louver/HP 60°



Lollipops are interchangeable. (For Celeb 250)

- MTP-L** Kino 41 Lollipop w/ 3/8" Pin (10mm)  
**MTP-LBC** Kino 41 Lollipop w/ Baby Receiver Curve (16mm)  
**MTP-LBS** Kino 41 Lollipop w/ Baby Receiver Short (16mm)



- MTP-B41F** Kino Offset w/ Baby Receiver (16mm)  
 (For Celeb 250)



**MTP-I80** Junior Pin Assembly for Yoke (28mm)



**MTP-I40** Baby Receiver Assembly for Yoke (16mm)



**KAS-CE2** Celeb 250 Flight Case  
**KAS-CE4** Celeb 450 Flight Case  
**KAS-CE4-C** Celeb 450 Travel Case



**KAS-CE2-Y** Celeb 250 Yoke Ship Case  
**KAS-CE4-Y** Celeb 450 Yoke Ship Case  
**KAS-CE4-Q** Celeb 450Q Yoke Ship Case



**STD-M30** Medium Duty Stand/Black, 30"  
**STD-M36** Medium Duty Stand/Black, 36"



**7010032** Celeb 250 Yoke Assembly  
**7010045** Celeb 450 Yoke Assembly  
**7010048** Celeb 450Q Yoke Assembly



**7010038** Celeb 250 Pole-Op Assembly  
**7010046** Celeb 450 Pole-Op Assembly  
**7010049** Celeb 450Q Pole-Op Assembly

# Fixture Specifications



**Celeb 250 LED  
DMX Center**

**CEL-250CU** Celeb 250 LED DMX Center Mount, Univ

**AC Input Voltage:** 100~240VAC 50/60Hz, 145W

**Amperage VAC:** 1.2A at 120VAC, 0.7A at 230VAC

**DC Input Voltage:** 18~36VDC, 150W

**Amperage VDC:** 6.25A at 24VDC

**Kelvin Range:** 2500K~9900K

**Dimming Range:** 100%~1%

**Weight:** 15 lb (6.8kg)

**Dimensions:** 24 x 5 x 14"

(61 x 12.7 x 35.5cm)



**Celeb 250 LED  
DMX Yoke**

**CEL-250YU** Celeb 250 LED DMX Yoke Mount, Univ

**AC Input Voltage:** 100~240VAC 50/60Hz, 145W

**Amperage VAC:** 1.2A at 120VAC, 0.7A at 230VAC

**DC Input Voltage:** 18~36VDC, 150W

**Amperage VDC:** 6.25A at 24VDC

**Kelvin Range:** 2500K~9900K

**Dimming Range:** 100%~1%

**Weight:** 16 lb (7.3kg)

**Dimensions:** 28.5 x 5 x 16.5"

(72.3 x 12.7 x 42cm)



**Celeb 250 LED  
DMX Pole-Op**

**CEL-250PU** Celeb 250 LED DMX Pole-Op, Univ

**AC Input Voltage:** 100~240VAC 50/60Hz, 145W

**Amperage VAC:** 1.2A at 120VAC, 0.7A at 230VAC

**DC Input Voltage:** 18~36VDC, 150W

**Amperage VDC:** 6.25A at 24VDC

**Kelvin Range:** 2500K~9900K

**Dimming Range:** 100%~1%

**Weight:** 17 lb (7.7kg)

**Dimensions:** 29 x 6 x 16.5"

(74 x 15.2 x 42cm)



**Celeb 450 LED  
DMX Center**

**CEL-450CU** Celeb 450 LED DMX Center Mount, Univ

**AC Input Voltage:** 100~240VAC 50/60Hz, 255W

**Amperage VAC:** 2.5A at 120VAC, 1.1A at 230VAC

**Kelvin Range:** 2500K~9900K

**Dimming Range:** 100%~1%

**Weight:** 26 lb (12kg)

**Dimensions:** 45 x 5 x 14"

(114.5 x 13 x 36cm)



**Celeb 450 LED  
DMX Yoke**

**CEL-450YU** Celeb 450 LED DMX Yoke Mount, Univ

**AC Input Voltage:** 100~240VAC 50/60Hz, 255W

**Amperage VAC:** 2.5A at 120VAC, 1.1A at 230VAC

**Kelvin Range:** 2500K~9900K

**Dimming Range:** 100%~1%

**Weight:** 26 lb (12kg)

**Dimensions:** 50 x 5 x 16.5"

(127 x 13 x 42cm)



**Celeb 450 LED  
DMX Pole-Op**

**CEL-450PU** Celeb 450 LED DMX Pole-Op, Univ

**AC Input Voltage:** 100~240VAC 50/60Hz, 255W

**Amperage VAC:** 2.5A at 120VAC, 1.1A at 230VAC

**Kelvin Range:** 2500K~9900K

**Dimming Range:** 100%~1%

**Weight:** 26 lb (12kg)

**Dimensions:** 50.5 x 5 x 16.5"

(128.5 x 13 x 42cm)



**Celeb 450Q LED  
DMX Yoke**



**Celeb 450Q LED  
DMX Pole-Op**

**CEL-450QU** Celeb 450Q LED DMX Yoke Mount, Univ

**AC Input Voltage:** 100~240VAC 50/60Hz, 270W  
**Amperage VAC:** 2.7A at 120VAC, 1.1A at 230VAC  
**Kelvin Range:** 2500K~9900K  
**Dimming Range:** 100%~1%  
**Weight:** 24 lb (11kg)  
**Dimensions:** 30 x 5 x 26"  
(72 x 13 x 66cm)

**CEL-450QPU** Celeb 450Q LED DMX Pole-Op, Univ

**AC Input Voltage:** 100~240VAC 50/60Hz, 270W  
**Amperage VAC:** 2.7A at 120VAC, 1.1A at 230VAC  
**Kelvin Range:** 2500K~9900K  
**Dimming Range:** 100%~1%  
**Weight:** 26 lb (12kg)  
**Dimensions:** 30 x 5 x 30.5"  
(76 x 13 x 77.5cm)

**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.



KINO FLO, INC  
**Celeb 250 LED, Celeb 450 LED, Celeb 450Q LED**  
ID: XRSCRMXTIMO101  
IC: 8879A-CRMXT101

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 latest Warranty information and Certifications,  
see Kino Flo website at [www.kinoflo.com](http://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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Kino Flo, Inc. 2840 N. Hollywood Way, Burbank, CA 91505, USA  
Tel: 818 767-6528 website: [www.kinoflo.com](http://www.kinoflo.com)