Celeb 400 DMX LED Fixtures

Celeb 400 Center Mount

**CEL-400C-120U**
Celeb 400 DMX Center Mount, Univ 120U

**CEL-400C-230U**
Celeb 400 DMX Center Mount, Univ 230U

Celeb 400 Yoke Mount

**CEL-400Y-120U**
Celeb 400 DMX Yoke Mount, Univ 120U

**CEL-400Y-230U**
Celeb 400 DMX Yoke Mount, Univ 230U

Celeb 400 Pole-Op

**CEL-400P-120U**
Celeb 400 DMX Pole-Op, Univ 120U

**CEL-400P-230U**
Celeb 400 DMX Pole-Op, Univ 230U

Included w/ all Celeb 400 Models

**LVR-CE490-P**
Celeb 400 Louver/HP, 90° (Included)

**GFR-CE4**
Celeb 400 Gel Frame (Included)
Celeb 400 DMX LED Kits

KIT-C4-120U
Celeb 400 DMX Center Mount Kit, Univ 120U

KIT-C4-230U
Celeb 400 DMX Center Mount Kit, Univ 230U

Kit Contents:
1 Celeb 400 DMX Center Mount
1 Flight Case

Weight: 52.5 lb (24kg)

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

KIT-C4Y-120U
Celeb 400 DMX Yoke Mount Kit, Univ 120U

KIT-C4Y-230U
Celeb 400 DMX Yoke Mount Kit, Univ 230U

Kit Contents:
1 Celeb 400 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)
A) Kelvin Preset Buttons: Kelvin buttons come preset at the factory. Factory defaults left to right are: 2700K, 3200K, 4000K, 5000K, 5500K. User can also use these preset buttons to store custom Kelvin settings.

B) DMX ADDRESS – Use to set DMX address. The Celeb 400 automatically assigns 2 channels. First Channel controls Dimming; Second Channel controls Kelvin.

C) KELVIN / DIM: In KELVIN mode, an amber light appears to the left of the button and Kelvin is displayed. Press the button again to change to DIM mode. In DIM mode, a green light will appear to the left of the button and Dim level is displayed.

D) Display: Provides Kelvin, Dim level and software revision data.

E) LOCK / RESET: In LOCK mode, an amber light is displayed to the left of the button. In RESET mode, the indicator light is green. To reset to factory presets, hold the LOCK / RESET button for 5 seconds.


G) Kelvin / Dimmer Knob: Manually adjusts Kelvin or Dim levels. Press the knob to toggle between fine and coarse adjustments.

Note: Each Celeb 400 DMX 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.
**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 ballast has a built-in power supply with universal input from 100-240VAC.

**DC Input**

The Celeb can also be operated on 24VDC (input range 18-28VDC) 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 + 18-28VDC
- 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).
Start Up

When power is first applied to the fixture, the alphanumeric display shows the current software version.

Press the On/Off button to turn on the fixture. The display will default to a Kelvin setting of 5000.

Kelvin Selection

There are 5 Kelvin factory preset buttons. Left to right they display 2700K, 3200K, 4000K, 5000K and 5500K.

A green indicator will light to the left of the active button.

Rotating the adjustment knob will change the Kelvin.

Press the rotating knob once to shift the Kelvin profile from Coarse to Fine increments.

In the Coarse mode, the fixture can be adjusted in one rotation of the knob. In Fine mode, it will require 8 rotations for full range of adjustment.
In **KELVIN** mode, the Kelvin can be fine tuned with the adjustment knob to custom settings between 2700K to 5500K.

The setting can be assigned to any preset button by holding down the desired button for 5 seconds.

The Kelvin display will flash once the setting is registered.

Note: When the power is turned off or removed, the fixture will remember its last setting.

---

**Dimming**

Press the **KELVIN / DIM** button. The indicator light to the left of the button will turn green.

Rotating the adjustment knob will dim the light of the fixture.

Press the rotating knob once to shift the **Dim** profile from **Coarse** to **Fine** increments.

In the **Coarse** mode, the fixture can be adjusted in one rotation of the knob. In **Fine** mode, it will require 8 rotations for full range of adjustment.
Press the LOCK / RESET button to lock the Kelvin and Dim settings. An amber indicator will display in LOCK mode.

In LOCK mode, controls are disabled and LOCK will appear in the display.

To unlock, press the LOCK / RESET button again. The indicator light will turn green.

In LOCK mode, you can toggle back and forth on the KELVIN / DIM button and review your Kelvin and Dim settings.

Note: When the power is removed, the fixture will reset to unlock.

To reset factory settings, press and hold the LOCK / RESET button for 5 seconds.

The indicator light will turn green and the display will flash 5000 and light output will be at 100%.
The Celeb 400 DMX operates on two DMX channels using DMX512. The first channel operates dimming; the 2nd channel operates Kelvin color temperature control.

Once an address is selected, the fixture automatically assigns 2 channels.

Press and hold the DMX ADDRESS button to select a DMX address. The displayed number will flash while in edit mode.

Turn the dimming knob to select a valid address from 1-512. (Note: 0 or 513-999 are invalid addresses.)

Press the rotating knob once to shift between Fine (single digits) and Coarse (in 10th's) address selection.

To save the DMX channel, press the DMX ADDRESS button again. When set, the displayed number will stop flashing.
The Celeb 400 DMX fixtures have an AUTO TERMINATE feature. The last fixture that does not have an XLR cable attached to the DMX “Out” port will automatically terminate.

Any theatrical lighting board with DMX512 protocol can be used to control the Celeb 400 DMX fixture. The fixtures can be jumpered using the IN and OUT ports. As many as 100 fixtures can be jumpered on one chain as long as the DMX cable run remains under 1000 feet or 40 x 25ft DMX cables.

**AUTO TERMINATE FEATURE**

When DMX is applied, the DMX signal will override the manual settings and the Celeb Kelvin temperature will default to 5500K and dim setting will be at 100%. Sliding the fader on the 1st channel will lower the light level. Sliding the fader on the 2nd channel will lower the Kelvin from 5500K to 2700K. (See chart on the following page for approximate Kelvin dimmer levels.). The fixture may respond ± 4 slider channels, depending on the dimmer board.
### Celeb 400 DMX Kelvin Color Temperature Dimmer Level

<table>
<thead>
<tr>
<th>Kelvin Color Temperature</th>
<th>Dimmer Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>5500K</td>
<td>100%</td>
</tr>
<tr>
<td>5000K</td>
<td>75%</td>
</tr>
<tr>
<td>4000K</td>
<td>50%</td>
</tr>
<tr>
<td>3200K</td>
<td>15%</td>
</tr>
<tr>
<td>2700K</td>
<td>0%</td>
</tr>
</tbody>
</table>

**Note:** The detailed DMX mapping for the Celeb 400 DMX fixture can be downloaded from the Operation Manual posted on www.kinoflo.com.

**IMPORTANT!**
The dimmer board/light console should have its channel set to LINEAR light output response. (LINEAR response is the default setting on most dimmer boards.)

### DMX Cables

- DMX Cables
  - The Celeb 400 DMX fixtures use five-pin XLR male and female connectors to receive DMX signals from the Dimmer Board and jumper the fixtures in a series. DMX pin-out wiring follows the USITT DMX512 standard:
    - Pin 1: Shield
    - Pin 2: Data –
    - Pin 3: Date +
    - Pin 4: Spare –
    - Pin 5: Spare +
  - Note: Pin four and five in the fixture are connected internally as Pin four to four and Pin five to five. Connecting Pin four and five as the pass-thru allows secondary data to be passed through other equipment.

**Do not use Microphone Cables** and other general purpose, two-core cables designed for audio or signaling use. They are not suitable for DMX512. Problems due to incorrect cabling may not be immediately apparent. Microphone Cables may appear to work fine, but systems built with such cables may fail or be prone to random errors. Cable must comply with EIA-485 (RS485).
Center Mount

The Celeb 400 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.

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

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.
Yoke Mount

The yoke has a ½” hole to accept industry standard mounting hardware.

The Celeb 400 Yoke Mount fixture can hang from a grid by a junior pipe hanger using a Junior Pin Assembly for Yoke (MTP-I80), sold separately.

Note: The yoke also provides an attachment point for a safety chain.

**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 Celeb 400 Pole-Op fixture includes a yoke with an attached junior pin. It 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 Option/Rope Hang

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

Applying Gel to Frame

**Option 1** - The Gel Frame comes with gel clips. Cut the gel to size and use the clips to fasten the gel to the frame.

**Option 2** – Apply transfer tape directly to the Gel Frame. The clips are not necessary when taping the gel.
Inserting Gel Frame and Louver

The Celeb includes spring loaded accessory holders and two channels to hold the Gel Frame and Honeycomb Louver.

Place the long edge of the Gel Frame or Honeycomb Louver into the lower channel. Press down on the left and right corners of the Gel Frame or 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 Gel Frame or Louver. Doing so may deform the Gel Frame or Louver over repeated usage.

Inserting Barndoors

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.
## Troubleshooting

<table>
<thead>
<tr>
<th>Protection Condition</th>
<th>Description</th>
<th>Normal Condition</th>
<th>Cause/Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>OCP</strong> Over Current Protection</td>
<td>Shut down current 2.45A in excess of 20%</td>
<td>2.04A @ 100% dim</td>
<td>Repair Service Center</td>
</tr>
<tr>
<td><strong>OVP</strong> Over Voltage Protection</td>
<td>Shut down voltage @ excess 30V</td>
<td>Below 28V</td>
<td>Wrong Battery or 24V Battery w/ too high Open Voltage</td>
</tr>
<tr>
<td><strong>UVP</strong> Under Voltage Protection</td>
<td>Shut down voltage @ below 17V</td>
<td>Excess 18V</td>
<td>Dead Battery</td>
</tr>
<tr>
<td><strong>OTP</strong> Over Temperature Protection</td>
<td>Shut down temp @ 120°C (LDM board side)</td>
<td>Below 120°C @ LED array</td>
<td>Cool Down</td>
</tr>
<tr>
<td><strong>OPP</strong> Open Protection</td>
<td>Open circuit</td>
<td>No open</td>
<td>Repair Service Center</td>
</tr>
<tr>
<td><strong>SCP</strong> Short Circuit Protection</td>
<td>Short circuit</td>
<td>No short</td>
<td>Repair Service Center</td>
</tr>
</tbody>
</table>

### Troubleshooting continued

**Can’t set the DMX address.**

You must Press and Hold the DMX Address button for 3 seconds in order to select an address. The display will flash while in edit mode. Select a valid address from 1-512. (Note: 0 or 513 and higher are invalid addresses.)

**Can’t operate the fixture manually with the DMX cable plugged in.**

Two Options:
Set DMX address to “0” or disconnect cable and turn power off and on.
## Accessories

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BRD-CE4</td>
<td>Celeb 400 Barndoors (Set of 4)</td>
</tr>
<tr>
<td>LVR-CE460-P</td>
<td>Celeb 400 Louver/HP, 60°</td>
</tr>
<tr>
<td>MTP-I80</td>
<td>Junior Pin Assembly for Yoke (28mm)</td>
</tr>
<tr>
<td>MTP-LM</td>
<td>Kino 81 Lollipop w/ Junior Pin (28mm)</td>
</tr>
<tr>
<td>KAS-CE4</td>
<td>Celeb 400 Center Flight Case</td>
</tr>
<tr>
<td>KAS-CE4-C</td>
<td>Celeb 400 Center Travel Case</td>
</tr>
<tr>
<td>KAS-CE4-S</td>
<td>Celeb 400 Center Ship Case</td>
</tr>
<tr>
<td>KAS-CE4-Y</td>
<td>Celeb 400 Yoke Ship Case</td>
</tr>
<tr>
<td>7010045</td>
<td>Celeb 400 Yoke Assembly</td>
</tr>
<tr>
<td>7010046</td>
<td>Celeb 400 Pole-Op Assembly</td>
</tr>
</tbody>
</table>
**Fixture Specifications**

**CEL-400C-120U**
Celebr 400 DMX Center Mount, Univ 120U

**AC Input Voltage:** 100~240VAC 50/60Hz, 210W  
**Amperage VAC:** 1.8A at 120VAC  
**DC Input Voltage:** 18~28VDC, 198W  
**Amperage VDC:** 8.25A at 24VDC  
**Kelvin Range:** 2700K~5500K  
**Dimming Range:** 100% ~ 1%  
**Weight:** 26 lb (12kg)  
**Dimensions:** 45 x 14 x 5”  
(114.5 x 36 x 13cm)

**CEL-400C-230U**
Celebr 400 DMX Center Mount, Univ 230U

**AC Input Voltage:** 240~100VAC 50/60Hz, 207W  
**Amperage VAC:** 1.0A at 230VAC  
**DC Input Voltage:** 18~28VDC, 198W  
**Amperage VDC:** 8.25A at 24VDC  
**Kelvin Range:** 2700K~5500K  
**Dimming Range:** 100% ~ 1%  
**Weight:** 26 lb (12kg)  
**Dimensions:** 45 x 14 x 5”  
(114.5 x 36 x 13cm)

**CEL-400Y-120U**
Celebr 400 DMX Yoke Mount, Univ 120U

**AC Input Voltage:** 100~240VAC 50/60Hz, 210W  
**Amperage VAC:** 1.8A at 120VAC  
**DC Input Voltage:** 18~28VDC, 198W  
**Amperage VDC:** 8.25A at 24VDC  
**Kelvin Range:** 2700K~5500K  
**Dimming Range:** 100% ~ 1%  
**Weight:** 26 lb (12kg)  
**Dimensions:** 50 x 16.5 x 5”  
(127 x 42 x 13cm)

**CEL-400Y-230U**
Celebr 400 DMX Yoke Mount, Univ 230U

**AC Input Voltage:** 240~100VAC 50/60Hz, 207W  
**Amperage VAC:** 1.0A at 230VAC  
**DC Input Voltage:** 18~28VDC, 198W  
**Amperage VDC:** 8.25A at 24VDC  
**Kelvin Range:** 2700K~5500K  
**Dimming Range:** 100% ~ 1%  
**Weight:** 26 lb (12kg)  
**Dimensions:** 50 x 16.5 x 5”  
(127 x 42 x 13cm)
<table>
<thead>
<tr>
<th>Model</th>
<th>Type</th>
<th>Specifications</th>
</tr>
</thead>
</table>
| **CEL-400P-120U** | Celeb 400 DMX Pole-Op, Univ 120U | AC Input Voltage: 100~240VAC 50/60Hz, 210W  
|               |                       | Amperage VAC: 1.8A at 120VAC                                                   |
|               |                       | DC Input Voltage: 18~28VDC, 198W                                               |
|               |                       | Amperage VDC: 8.25A at 24VDC                                                   |
|               |                       | Kelvin Range: 2700K~5500K                                                      |
|               |                       | Dimming Range: 100% ~ 1%                                                       |
|               |                       | Weight: 26 lb (12kg)                                                           |
|               |                       | Dimensions: 50.5 x 16.5 x 5"                                                   |
|               |                       | (128.5 x 42 x 13cm)                                                           |
| **CEL-400P-230U** | Celeb 400 DMX Pole-Op, Univ 230U | AC Input Voltage: 240~100VAC 50/60Hz, 207W  
|               |                       | Amperage VAC: 1.0A at 230VAC                                                   |
|               |                       | DC Input Voltage: 18~28VDC, 198W                                               |
|               |                       | Amperage VDC: 8.25A at 24VDC                                                   |
|               |                       | Kelvin Range: 2700K~5500K                                                      |
|               |                       | Dimming Range: 100% ~ 1%                                                       |
|               |                       | Weight: 26 lb (12kg)                                                           |
|               |                       | Dimensions: 50.5 x 16.5 x 5"                                                   |
|               |                       | (128.5 x 42 x 13cm)                                                           |
For 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.