
Operation Manual

Diva-Lite 20U LED

(True Match Firmware 6.0)

(RDM)



KINO FLO
Lighting Systems

Diva-Lite LED DMX Fixture



DIV-LX20U

Diva-Lite 20 LED DMX, Univ

Included w/ Diva-Lite LED



LVR-SL290-P

Diva-Lite 20 Louver/HP, 90° (Included)



MTP-LBC

Kino 41 Lollipop w/ Baby Receiver Curve (16mm)
(Included)

Diva-Lite 20 LED DMX Kits



**Diva-Lite 20 LED DMX
Kit w/ Soft Case**

KIT-DL20XBU

Diva-Lite 20 LED DMX Kit, Univ w/ Soft Case

Kit Contents:

1 Diva-Lite 20 LED Fixture
1 Soft Case

Dimensions:

31 x 7.5 x 18"
(79 x 19 x 46cm)

Weight:

19.5 lb (9kg)



**Diva-Lite 20 LED
DMX Kit**

KIT-DL20XU

Diva-Lite 20 LED DMX Kit, Univ w/ Travel Case

Kit Contents:

1 Diva-Lite 20 LED Fixture 1
Travel Case

Dimensions:

28.5 x 8.5 x 19.5"
(72 x 22 x 49.5cm)

Weight:

26 lb
(12kg)



**Diva-Lite 20 LED
DMX Kit (2-Unit)
w/ Flight Case**

KIT-DL22XU

Diva-Lite 20 LED DMX Kit, Univ (2-Unit) w/ Flight Case

Kit Contents:

2 Diva-Lite 20 LED Fixture
1 Flight Case

Dimensions:

22.5 x 16 x 33.5"
(57 x 41 x 85cm)

Weight:

58 lb

Power



AC Input

The Diva-Lite LED includes a built-in power supply with universal input from 100-240VAC. It also includes a 12ft power cord with a locking IEC connector.

Ambient Operating Temperature

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



DC Input

The Diva-Lite LED can also be operated on 24VDC (input range 18-36VDC) through a 3-Pin XLR. The pin polarity is:

Pin # 1 – Ground

Pin # 2 + 18-36VDC

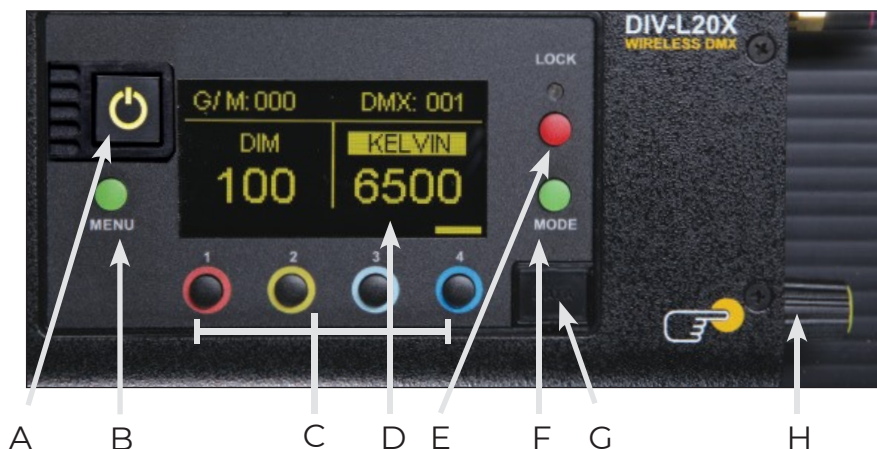
Pin # 3 not used



Note:

A low voltage warning will display if input DC voltage is under 18VDC. Photo example: **LOW VDC: 17**

Control Panel - White Mode



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**.

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.

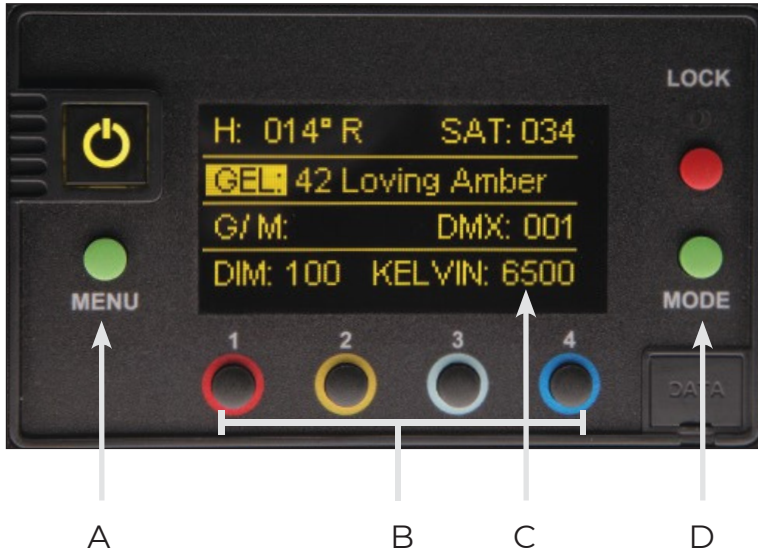
F) Mode: Press to navigate from Dim to Kelvin and G/M settings.
When in sub-menus, pressing Mode always returns you to main display.
When DMX is applied, use Mode to access DMX channel on main display.
Shortcut: Long press will bring you back one step.

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**.

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.

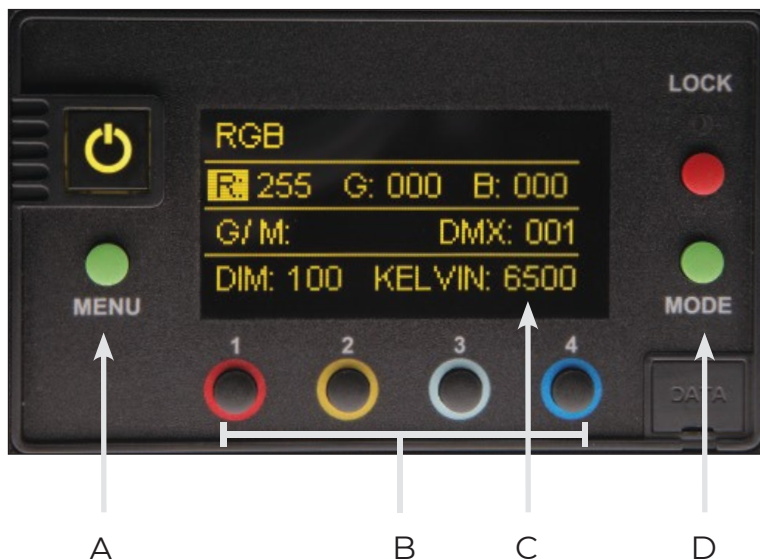
C) Display:

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**.

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.

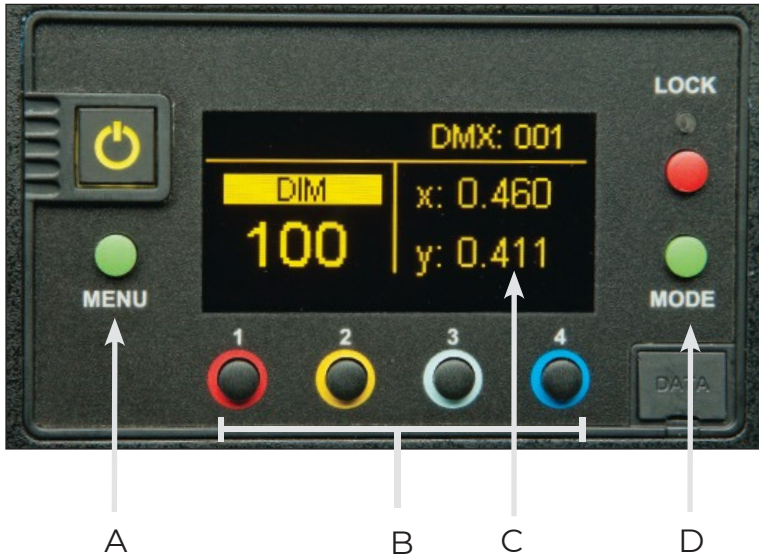
C) Display:

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 for 3 seconds to switch through menus **White, Gels & Hue, RGB, CIE xy**.

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.

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**. 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.

Mounting Procedures



Mounted on a baby stand.



Mounted to pipe grid.



Note: When hanging in a studio, loop a safety cord through the metal ring provided on the back of the fixture.



Turn the knob to loosen or tighten the mount.



Lollipops are interchangeable.

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

Baby Offset Arm



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



The Baby Offset Arm (**MTP-B41F**) allows fixtures 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.

Applying Louver



The Louver is fastened to the fixture with 4 Velcro straps.

Mounting Flozier



To mount Flozier accessory, remove Louver.



Stretch two elastic cords around fixture.



Take up slack on both elastic cords.



Expand the Barndoors to smooth out the face of the Flozier and eliminate wrinkles.

SnapBag & SnapGrid



The SnapBag accessory (**DFS-FS21-S**) is a lightweight fabric tailor-made for the Diva-Lite 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 (**LVR-FS240-S**) 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.

Accessories



DFS-SL20-H Diva-Lite 20 Flozier, Half



DFS-FS21-S Diva-Lite 20 SnapBag w/
2 x Diffusion



LVR-FS240-S Diva-Lite 20 SnapGrid 40°



LVR-SL290-P Diva-Lite 20 Louver/HP 90°
LVR-SL260-P Diva-Lite 20 Louver/HP 60°



Lollipops are interchangeable.

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

Cases



BAG-SL20

Diva-Lite 20 Soft Case



KAS-DL20-C

Diva-Lite 20 Travel Case



KAS-DL22

Diva-Lite LED 20 Flight Case (2)

Diva-Lite LED Fixture Specifications



**Diva-Lite 20 LED
DMX**

DIV-L20XU Diva-Lite 20 LED DMX, Univ

AC Input Voltage: 100~240VAC 50/60Hz, 150W

Amperage VAC: 1.25A at 120VAC, 0.65A at 230VAC

DC Input Voltage: 18~36VDC, 150W

Amperage VDC: 6.25A at 24VDC

Kelvin Range: 2500K~9900K

Dimming Range: 100%~1%

Weight: 14.5 lb (6.5kg)

Dimensions: 25 x 13 x 6"

(63.5 x 33 x 15cm)

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
Diva-Lite 20 LED
ID: XRSCRMXTIMO101
IC: 8879A-CRMXTI01

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.

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.