Operation Manual

Image L80 & L40 LED DMX

(True Match® Firmware 4.0)

(Camera)

Image L80 LED Yoke Mount

Image L40 LED Pole-Op

KINO FLO
Lighting Systems

Part No. 3100114 Rev C

02-26-2021

Image L80 & L40 LED Fixtures

Image LED Yoke Mount

IMG-L80U
Image L80 LED DMX Yoke Mount, Univ

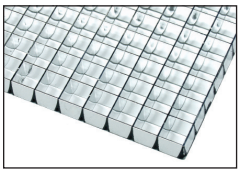
IMG-L40U
Image L40 LED DMX Yoke Mount, Univ

Image LED Pole-Op

IMG-L80PU
Image L80 LED DMX Pole-Op, Univ

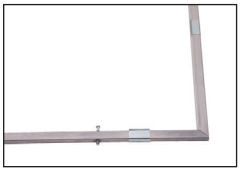
IMG-L40PU
Image L40 LED DMX Pole-Op, Univ

Included w/ all Image Models



LVR-I80-S
Image L80 Silver Louver (Included)

LVR-I40-S
Image L40 Silver Louver (Included)



GFR-I80
Image L80 Gel Frame (Included)

GFR-I40
Image L40 Gel Frame (Included)

Image Yoke Mount Kits

Image L80 LED DMX Kit

KIT-IL80U
Image L80 LED DMX Kit, Univ

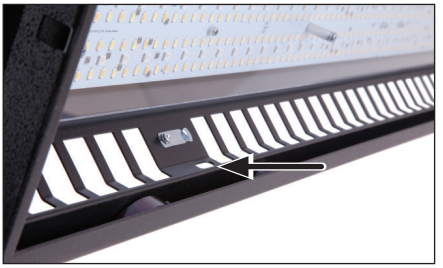
Kit Contents:	**Dimensions:**	**Weight:**
1 Image L80 LED DMX	58 x 9.5 x 36.5"	75.5 lb
1 Jr. Pin	(147.5 x 24 x 93cm)	(34.5kg)
1 Ship Case		

Image L40 LED DMX Kit

KIT-IL40U
Image L40 LED DMX Kit, Univ

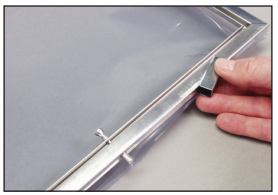
Kit Contents:	**Dimensions:**	**Weight:**
1 Image L40 LED DMX	58 x 9.5 x 25.5"	56 lb
1 Jr. Pin	(147.5 x 24 x 65cm)	(25.5kg)
1 Ship Case		

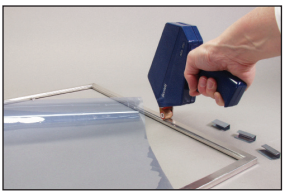
Inserting Gel Frame



The gel frame is secured to the fixture by 4 spring-loaded pins. Align the pins of the gel frame with the oval receptacle holes on the edge of the fixture. Pull back the pins and release into the receptacles to properly secure the gel frame.

Applying Gel to Frame



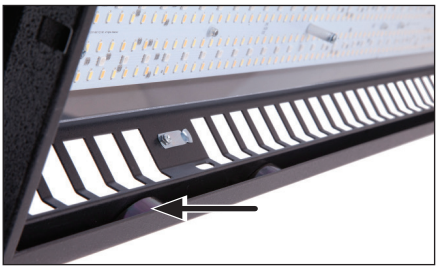


A) The Gel Frame comes with gel clips. Cut the gel or diffusion to size and use the clips to fasten to the frame.

Note: It is recommended to attach one clip on all four sides and two clips near all four corners of the Gel Frame.

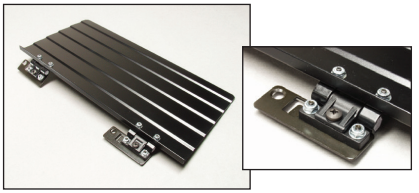
B) Another method is to apply transfer tape directly to the gel frame. The clips are not necessary when taping the gel.

Inserting Louver

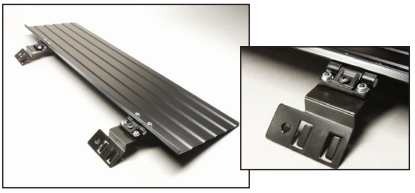


Place the long edge of the Louver into the lower channel containing a set of leaf springs. Press down on the Louver and slip the upper edge of the louver into the upper channel of the fixture. To remove, reverse the procedure.

Mounting Barndoors



Side Door (x2)

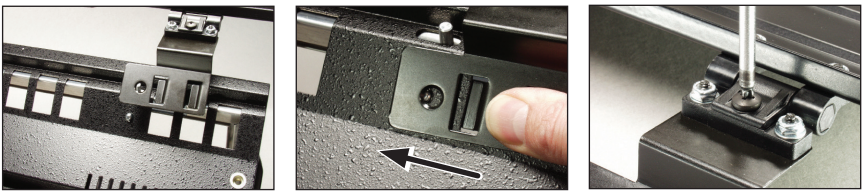


Top/ Bottom Door (x2)

Side Doors

1) Align the hinge bracket tabs with the two square receptacles on the side of the fixture.
2) Press the tabs of both brackets into the square receptacles.
3) Slide the two brackets up until the silver lock pin snaps into place.
4) To release the barndoor, press the lock pin down and slide the bracket in reverse.

Top and Bottom Doors



1) Align the two hinge bracket tabs with the two square vents closest to the silver lock pins.
2) Press the brackets down into the vent and slide them over to engage the lock pins with the hole in the bracket.
3) To remove the barndoor, press down on the two lock pins and slide the brackets back.
4) Adjust the hinge tension with a Phillips head screwdriver.

Image Yoke Mount

The Yoke has a ½" hole to accept industry standard mounting hardware.

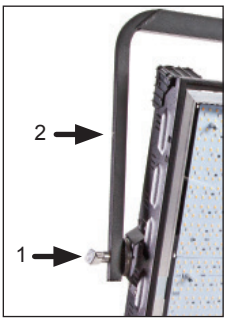
The **Image L80 LED Yoke Mount** can hang from a grid by a junior pipe hanger using a Junior Pin Assembly for Yoke **(MTP-I80)**, sold separately.

The **Image L40 LED Yoke Mount** can also hang from a grid by a junior pipe hanger using a Junior Pin Assembly for Yoke **(MTP-I80)** or hang from a baby pipe hanger using a Baby Receiver Assembly for Yoke **(MTP-I40)**, both sold separately.

Note: Because of weight capacity, the **MTP-I40** can only be used on the Image L40 LED Yoke Fixture.

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

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

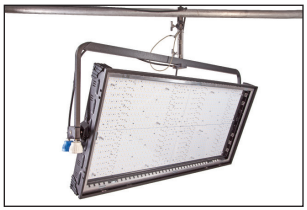


The Yoke Mount is also designed with two holes to allow the yoke bracket to be placed in one of two positions. The additional option is useful when hanging the units in a studio with a low ceiling.

Warning: Use only 10-32 x 3/8" screws (supplied) to assemble yoke.
Note that threads on the fixture are self-locking and may seem tight.
Replacement screws: Part No. 2020058

Recommended torque setting:
USA: 18 lb-in
Metric: 2 Nm

Image Pole-Op

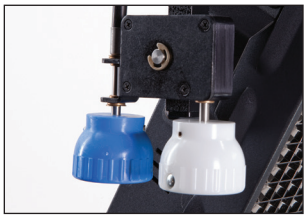


The **Image L80 and L40 LED Pole-Op** fixtures include a yoke with an attached junior pin.

They can be hung from a grid with a junior pipe hanger.

Junior pin attached to Pole-Op Yoke

Pole Operation



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.)

Fixture Power

AC Input

The Image LED 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.

Ambient Operating Temperature

The Image LED is designed to operate at temperatures from 14ºF to 104ºF (-10ºC to 40ºC).

SnapBag & SnapGrid

The SnapBag **(DFS-L80-S)** accessory is a lightweight fabric tailor-made for the Image L80 LED. It slips over the fixture and is attached with straps. The reflective material intensifies the soft light. The removable grid cloth attaches to the inside with Velcro.

The Image L80 SnapGrid **(LVR-CE840-S)** 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.

Image L80 Bloomer

The Image L80 Bloomer **(DFS-L80-B)** is a lightweight fabric diffuser tailor-made for the Image L80 LED. It slips over the fixture and is attached with Velcro.

Place Image L80 on a junior stand facing down.

Slip the Bloomer over the fixture and secure with Velcro.

The side flaps have a black material to block out spill light. The flaps can also be folded back to allow spill.

Insert the aluminum rods at the bottom hem for support to keep it straight.

A zipper allows access to the stand for adjustment.

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*** 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.

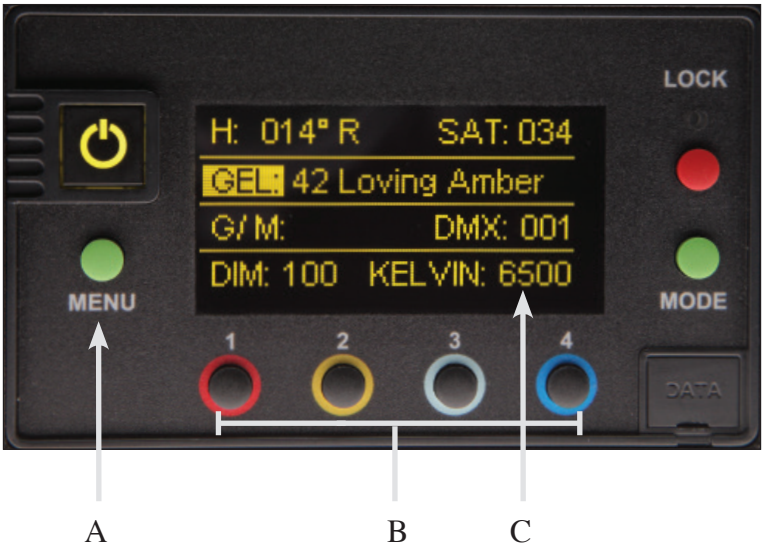
F) Mode: Press to navigate from Dim to Kelvin and G/M settings.
When in sub-menus, pressing Mode always returns you to main display.
When DMX is applied, use Mode to access DMX channel on main display.
Shortcut: Long press will bring you back one step.

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

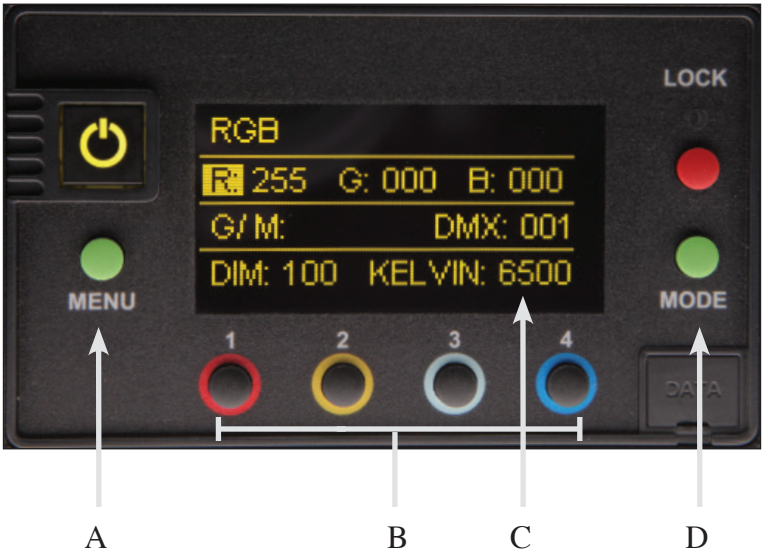
A) Menu:
Provides access to menu options such as General settings (**Gels/Hue** Mode), Reset, DMX, DMX Wireless, Camera LUT and Color Space.
Shortcut: While on control screen, press and hold for 3 seconds to switch through menus (**White, Gels & Hue, RGB, CIE xy** and **FX**).

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

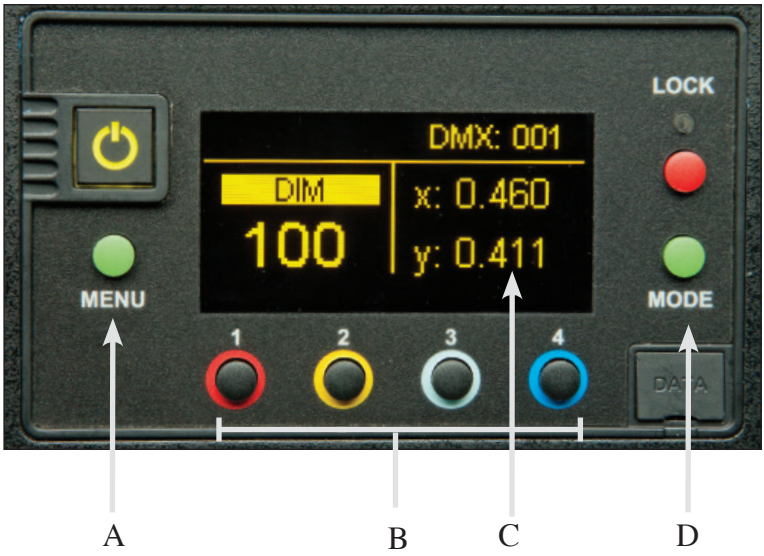
A) Menu:
Provides access to menu options such as General settings (**RGB Mode**), Reset, DMX, DMX Wireless, Camera LUT and Color Space.
Shortcut: While on control screen, press and hold for 3 seconds to switch through menus (**White, Gels & Hue, RGB, CIE xy** and **FX**).

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

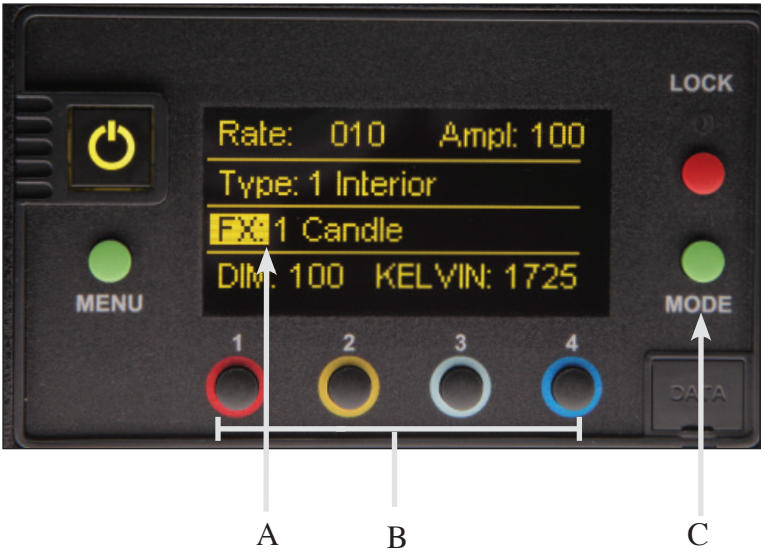
A) Menu:
Provides access to menu options such as General settings (**CIE xy mode**), Reset, DMX, DMX Wireless, Camera LUT and Color Space.
Shortcut: While on control screen, press and hold or 3 seconds to switch through menus (**White, Gels & Hue, RGB, CIE xy** and **FX**).

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:

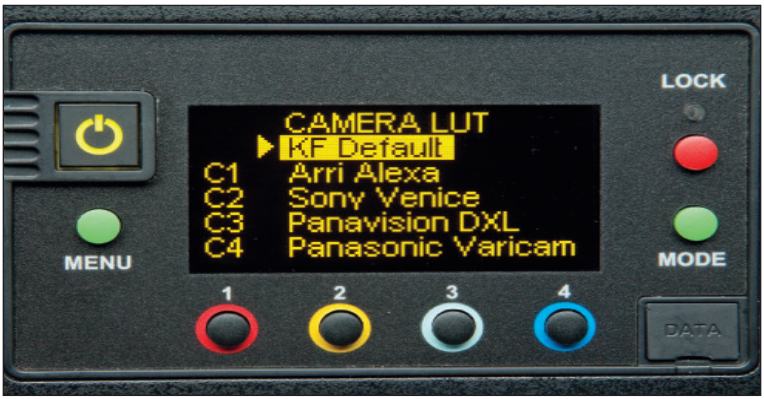
A) FX Option:
Choose the desired FX Mode by rotating the control knob. When on the desired effect, there will be several pre-programed effects as well as control parameters that can be altered.

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.

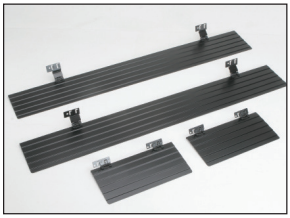
The color space **P3 D65** is a common color space for digital movie projection. The color space **rec 2020** is used in ultra high definition television (UHDTV).

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.

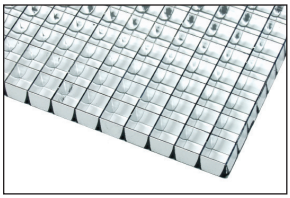
In **Hue Angle/Saturation** mode – the color space designation will be displayed on the Gel line and GEL will be displayed as GEL* and CCT will be displayed as CCT*. The Color space will be displayed only when Hue Angle and Saturation are being used. When using Green/Magenta or Gel, the CCT will be unlocked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

Accessories



BRD-I80 Image L80 Barndoors (Set of 4)

BRD-I40 Image L40 Barndoors (Set of 4)



LVR-I80-S Image L80 Louver/Silver

LVR-I40-S Image L40 Louver/Silver

KAS-I80-I Image L80 Ship Case

KAS-I40-I Image L40 Ship Case

7010016 Image L80 Pole-Op Assembly

7010015 Image L40 Pole-Op Assembly

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

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

Fixture Specifications

Image L80 LED DMX Yoke

IMG-L80U Image L80 LED DMX Yoke Mount, Univ

AC Input Voltage: 100~240VAC 50/60Hz, 400W
Amperage VAC: 4.0A at 120VAC, 2.0A at 230VAC
Kelvin Range: 2500K~9900K
Dimming Range: 100%~1%
Weight: 41.5 lb (19kg)
Dimensions: 54 x 6.5 x 28″
(138.5 x 16.5 x 71cm)

Image L80 LED DMX Pole-Op

IMG-L80PU Image L80 LED DMX Pole-Op, Univ

AC Input Voltage: 100~240VAC 50/60Hz, 400W
Amperage VAC: 4.0A at 120VAC, 2.0A at 230VAC
Kelvin Range: 2500K~9900K
Dimming Range: 100%~1%
Weight: 45.5 lb (21kg)
Dimensions: 54.5 x 6.5 x 28″
(138.5 x 16.5 x 71cm)

Image L40 LED DMX Yoke

IMG-L40U Image L40 LED DMX Yoke Mount, Univ

AC Input Voltage: 100~240VAC 50/60Hz, 200W
Amperage VAC: 2.0A at 120VAC, 1.0A at 230VAC
Kelvin Range: 2500K~9900K
Dimming Range: 100%~1%
Weight: 25 lb (11.5kg)
Dimensions: 54 x 6.5 x 17″
(137 x 16.5 x 43cm)

Image L40 LED DMX Pole-Op

IMG-L40PU Image L40 LED DMX Pole-Op, Univ

AC Input Voltage: 100~240VAC 50/60Hz, 200W
Amperage VAC: 2.0A at 120VAC, 1.0A at 230VAC
Kelvin Range: 2500K~9900K
Dimming Range: 100%~1%
Weight: 27 lb (12kg)
Dimensions: 54.5 x 6.5 x 17″
(138.5 x 16.5 x 43cm)

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
Image L80 & L40 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.

3170830

Intertek

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.

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