Operation Manual
VistaBeam® 600/300

VistaBeam 600 Center

VistaBeam 600 Pole-Op

KINO FLO®
Lighting Systems

VistaBeam Fixture Styles and Features

VistaBeam Center Mount

VIS-6C-120
VistaBeam 600 DMX Center Mount, 120VAC

VIS-6C-230
VistaBeam 600 DMX Center Mount, 230VAC

VIS-3C-120
VistaBeam 300 DMX Center Mount, 120VAC

VIS-3C-230
VistaBeam 300 DMX Center Mount, 230VAC

VistaBeam Yoke Mount

VIS-6Y-120
VistaBeam 600 DMX Yoke Mount, 120VAC

VIS-6Y-230
VistaBeam 600 DMX Yoke Mount, 230VAC

VIS-3Y-120
VistaBeam 300 DMX Yoke Mount, 120VAC

VIS-3Y-230
VistaBeam 300 DMX Yoke Mount, 230VAC

VistaBeam Pole-Op Mount

VIS-6P-120
VistaBeam 600 DMX Pole-Op Mount, 120VAC

VIS-6P-230
VistaBeam 600 DMX Pole-Op Mount, 230VAC

VIS-3P-120
VistaBeam 300 DMX Pole-Op Mount, 120VAC

VIS-3P-230
VistaBeam 300 DMX Pole-Op Mount, 230VAC

Included w/ all VistaBeam Models

LVR-V690
VistaBeam 600
Louver–Honeycomb 90° (Included)

LVR-V390
VistaBeam 300
Louver-Honeycomb 90° (Included)

GFR-V6
VistaBeam 600 Gel Frame (Included)

GFR-V3
VistaBeam 300 Gel Frame (Included)

True Match® Lamps

964-K29
96W Kino KF29 (Twin)
964-K32
96W Kino KF32 (Twin)
964-K55
96W Kino KF55 (Twin)

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VistaBeam 600 Center Mount Kits

KIT-V6C-120
VistaBeam 600 DMX Center Kit, 120VAC

KIT-V6C-230
VistaBeam 600 DMX Center Kit, 230VAC

Kit Contents:
1 VistaBeam 600 DMX Center Mount
1 VistaBeam Louver 90°
1 Ship Case

Dimensions
41.5 x 15.5 x 44"
(105.5 x 39.5 x 112cm)

Weight
140lb (63kg)

KIT-V6C-120/2
VistaBeam 600 DMX Center Mount Kit,
120VAC (2-Unit)

KIT-V6C-230/2
VistaBeam 600 DMX Center Mount Kit,
230VAC (2-Unit)

Kit Contents:
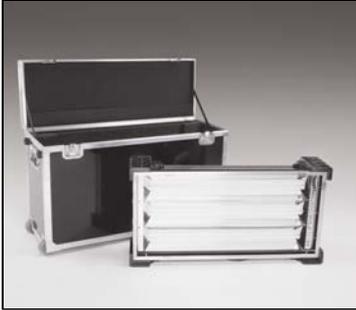2 VistaBeam 600 DMX Center Mount
2 VistaBeam Louver 90°
1 Ship Case

Dimensions
41 x 27 x 44"
(102.5 x 67.5 x 112cm)

Weight
205lb (93kg)

VistaBeam 300 Center Mount Kits

KIT-V3C-120
VistaBeam 300 DMX Center Kit, 120VAC

KIT-V3C-230
VistaBeam 300 DMX Center Kit, 230VAC

Kit Contents:
1 VistaBeam 300 DMX Center Mount
1 VistaBeam Louver 90°
1 Ship Case

Dimensions
42 x 14.5 x 25.5"
(107 x 37 x 65cm)

Weight
82.3lb (37kg)

Inserting Lamps

1.

2.

3.

4.

1) Open the two hinged reflector panels. 2 & 3) Insert the lamp base into the lamp connector. 4) Insert the lamp tip into the lamp clip. Close the reflector panels.`

Inserting Gel Frame

Align the pins of the Gel Frame with the **inner** (closest to lamps) holes of the Accessory Holder. Pull back the pins and release into the holes to secure the gel frame.
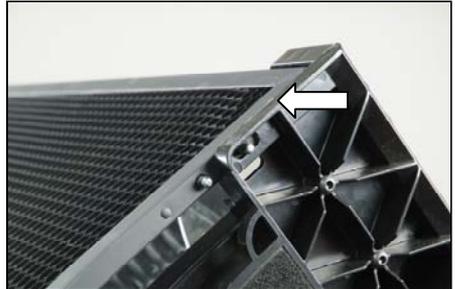
Applying Gel to Frame

(A)

(B)

A) The Gel Frame comes with Gel Clips. Cut the gel to size and use the Clips to fasten the gel to the 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

Align the pins of the louver with the **outer** (farthest from lamps) receptacle holes on the Accessory Holder. Pull back the pins and release into the hole to secure the louver.
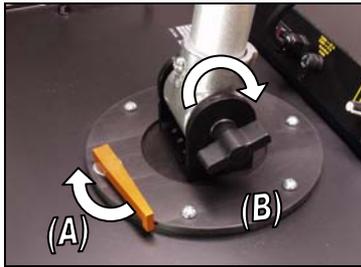
Mount Option / Rope Hang

The large holes on the Accessory Holder can be used as rigging points; for example, a 4 point rope hang.

VistaBeam Center Mount

The **VistaBeam Center Mount** includes a Center Mount Assembly **(MTP-V63C)** and a Junior Stand Adapter **(MTP-V63JR)** which can be mounted onto a junior stand.

Center Mount Rotation and Tilt Controls
   A) The gold lock lever controls the rotation of the fixture.
   B) The black knob controls the tilt.

Center Mount Hanging Adapter

The **VistaBeam Center Mount** can also hang from a junior pipe hanger using a Hanging Adapter **(MTP-V63H1)**, sold separately.

Remove the Junior Pin **(MTP-V63JR)** and attach the Hanging Adapter. It is held in place by a safety screw and a setscrew. A lock knob adjusts rotation of the arm.

Center Mount Speed-Rail Rigging

The Mount fittings are U.S. industry standard "Speed Rail" 1 ¼" fittings. They accept a 1 5/8" outside diameter pipe.
These fittings enable custom frames to be constructed for special rigging applications such as multiple fixture hangs.

VistaBeam Yoke Mount

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

The **VistaBeam 600 and 300 Yoke Mount** fixtures can hang from a junior pipe hanger using a Yoke Junior Pin **(MTP-I80),** sold separately.

MTP-I80   Yoke Junior Pin

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VistaBeam Pole-Op Mount

The **VistaBeam 600 and 300 Pole-Op Mount** fixtures include a yoke with an attached junior pin.

They can be hung from a grid with a junior pipe hanger.
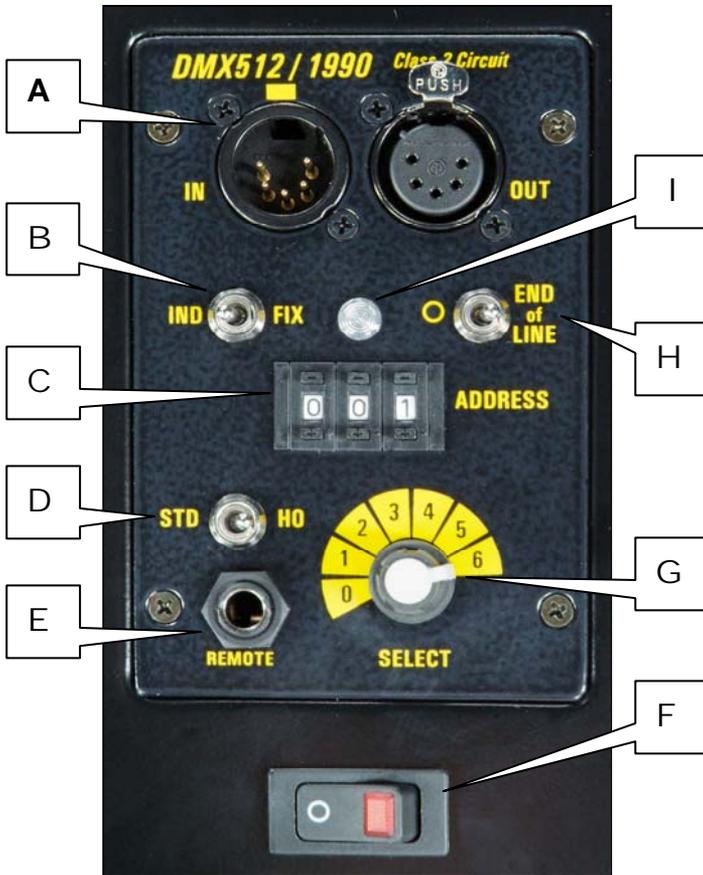
Junior pin attached to Pole-Op Yoke

Operating Pole-Op

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

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

VistaBeam DMX Control Panel

A) **DMX-In & DMX-Out:** DMX-IN receives DMX signals from Dimmer Board. DMX-OUT relays DMX signal through to other Fixtures or Instruments.

B) **Individual Lamp / Fixture Switch:** Converts between INDIVIDUAL LAMP and FIXTURE methods of DMX control.

C) **DMX Address**: Sets DMX Address of Fixture.

D) **STD/HO Switch: STD** operates lamp in standard output mode. **HO** operates Lamps in High Output mode**.**

E) **REMOTE Input Jack:** Input for **DIM-5** remote controller

F) **Power Switch:** Has a built-in indicator light, which can detect if AC power is present in power cord. "O" = OFF position

G) **Manual SELECT Dial:** Turns lamps on and off manually without connecting DMX Cable to Fixture.

H) **END of LINE Switch:** Terminates DMX signal at the end of Fixture series.

I) **DMX Indicator Light:** Lights up Amber when valid DMX signal is present.

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.)

Power & Fuse Requirements

POWER
Provide 120VAC or 230VAC depending on model. Do not dim the fixture through a dimming circuit. If powering the fixtures through a dimmer board, set the dimmer profile to non-dim.

FUSE
Provides circuit protection. *Note: If Fuse is "blown" or "open" replace with same type of fuse rating as marked.*

Load Considerations:

The Kino Flo ballasts used in the VistaBeam are not power factor corrected. They will draw <u>double</u> the current on the neutral from what is being drawn on the two hot legs. On large installations it may be necessary to double your neutral run so as not to exceed your cable capacity.
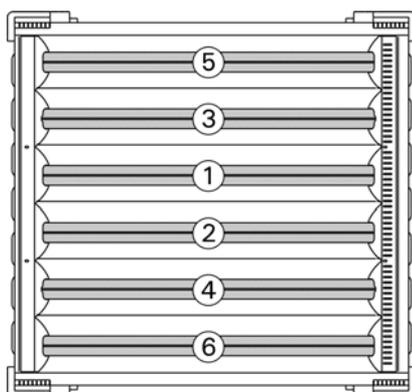
Manual Operation

The VistaBeam DMX fixture may be operated manually with the Manual Lamp Selector Dial. The Dial enables you to turn lamps on and off with an "inside-out" pattern (i.e., if all lamps are on, the outside tubes will turn off first).

Note: Manual lamp switching is disabled as soon as DMX cables are applied.
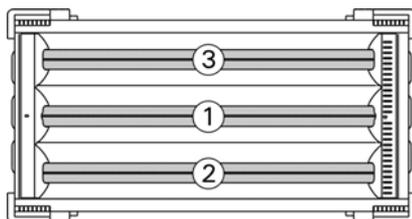
VistaBeam 600 Switching

VistaBeam 300 Switching

STD operates lamps in Standard Output mode.
HO operates lamps in High Output mode.

Lamps can be controlled manually through a hand held remote controller (**DIM-5**). For **Manual Remote Lamp Control** plug in the accessory **DIM-5.** Rotating the dimmer knob turns lamps on and off in sequence.

DMX Operation

DMX Addressing

Push the tabs above or below the number window to set the address. (Valid addresses range from 001 to 512.) The yellow light above the address block will illuminate if a DMX signal is present.

Tip: Power is not required to set DMX addresses. Therefore, DMX addresses can be set for each fixture prior to hanging.

After the DMX address is entered, the VistaBeam 600 Fixture automatically assigns 7 addresses to lamp positions 1–6 and address 7 controls the **STD/HO** setting.

Note: Manual lamp switching is disabled as soon as the DMX cables are applied. For Manual control with DMX cables plugged in, set address to "000". There is a 5 second delay when switching between DMX and Manual control.

NOTE: If a Fixture or Ballast loses its DMX signal it will hold its last DMX command. For this reason it is important to turn a Fixture or Ballast off using the DMX commands.

For example, if you try to turn off the lights by turning off the dimmer board the lights will remember their last DMX command and stay on. The Fixtures or Ballasts require a DMX "Off" or "Black-out" command in order to turn off.

The **END of LINE** switch must be set to open **(O)** on Fixtures within the DMX chain.

Set to closed (**END of LINE**) when the Fixture is the last DMX controlled device in the chain.

Note: When the last Fixture's DMX Term is set to "I", it will absorb all energy in the DMX line, ensuring DMX signals are transmitted correctly. If a signal is not terminated, it is called a "Reflected Wave", and may create transmission errors by causing valid DMX signals to be canceled.

Any theatrical lighting board with DMX512 protocol can be used to individually turn **on/off** lamps in a Fixture.

VistaBeams 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.

Note: When operating Fixtures at great distances from the dimmer board it is recommended to use Opto-Isolators to provide DMX signal amplification.

DMX Cables
Cable must comply with EIA-485 (RS485).

The Fixture uses 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: Data +**
> **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 for other equipment.

Fixture Mode

Setting the unit to "FIX" mode allows the user to re-create the "Inside-Out" pattern of the manual switch.

One of the best applications for the **Fixture** mode is when lighting Blue and Green Screens or large Cycloramas.

For example: One row of fixtures can be set to **Fixture** mode on a common address. When the fader on the dimmer board is brought up or down all the Fixtures on that address will have the same lamps turned on.

Addressing: In **Fixture** mode selecting the base address automatically assigns the 7th address (in VistaBeam 600) to control the **STD/HO** setting. For example, setting 001 as the first address automatically assigns address 007 as the control address for the **STD/HO** setting. Not assigning the 7th address results in the fixture operating at the **HO** setting.

For the sake of simplification, it is advisable to select address sequences such as 10, 20, 30, 40 and so on. This also allows the operator to change from **Fixture** mode to **Individual Lamp** mode without readdressing the fixtures. Never assign the 7th address to a new fixture. In the VistaBeam 300 every 4th address controls the **STD/HO** setting.

Dimmer level - Lamp response
Sliding the fader on the dimmer board from 0 ~ 100 controls the number of lamps that are on within a fixture.
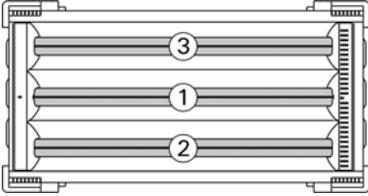Note: the lamps may respond ± 4 channel levels, depending on the dimmer board.

VistaBeam 600 Lamp Sequence
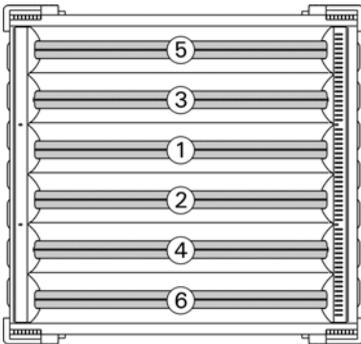
DMX Address # 001	
Lamp #	**Dimmer Level**
Lamp 1	6
Lamp 1~2	19
Lamp 1~3	32
Lamp 1~4	45
Lamp 1~5	57
Lamp 1~6	95
DMX Address # 007	
HO	0
STD	50

VistaBeam 300 Lamp Sequence

DMX address # 001	
Lamp #	Dimmer Level
Lamp 1	6
Lamp 1~2	50
Lamp 1~3	95
DMX address # 004	
HO	0
STD	50

The VistaBeam 600's 7th DMX address controls the **STD/HO** function.
The VistaBeam 300's 4th DMX address controls the **STD/HO** function.

Programming the **STD/HO** address at full dimmer setting activates the **STD** setting. Not using this address or programming a dim setting under 50% will activate the **HO** setting.

Individual Lamp Mode

Setting the unit to **Individual Lamp** mode allows each lamp position within the fixture **Sequence** to have its own address. Although this option will use up a lot of addresses, it may be preferable for certain situations. The **Individual Lamp** mode is useful in achieving light effects like flickering, chasing or creating light patterns.

After the DMX address is entered, the VistaBeam 600 automatically assigns 7 addresses to lamp positions 1-6 and the 7th address controls the **STD/HO** settings. For the sake of simplification, it is advisable to select address sequences in groups of 10 for VistaBeam 600 & VistaBeam 300 such as 10, 20, 30, 40 and so on.
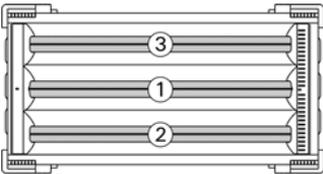
For example, if the VistaBeam base address is set at 001, the configurations below will provide lamps individually addressable through DMX512.

VistaBeam 600 Lamp Sequence
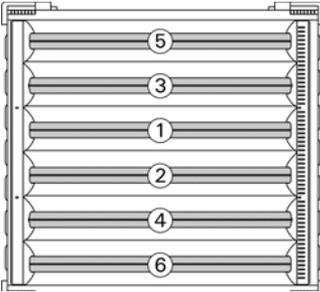
VistaBeam 600 Address Sequence	
DMX Address = 001	
Lamp #	DMX Address
Lamp 1	1
Lamp 2	2
Lamp 3	3
Lamp 4	4
Lamp 5	5
Lamp 6	6
STD/HO	7

VistaBeam 300 Lamp Sequence

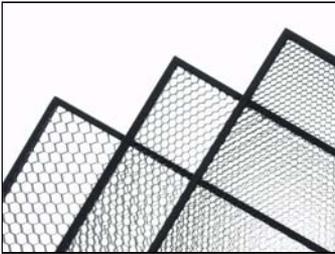| VistaBeam 300 Address Sequence	
DMX Address = 001	
Lamp #	DMX Address
Lamp 1	1
Lamp 2	2
Lamp 3	3
STD/HO	4

Accessories & Parts

DIM-5
Remote Lamp Selector
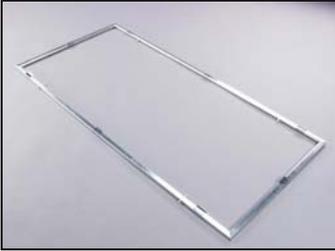
GFR-V6
VistaBeam 600 Gel Frame

GFR-V3
VistaBeam 300 Gel Frame

LVR-V345 VistaBeam 300 Louver 45°
LVR-V360 VistaBeam 300 Louver 60°
LVR-V390 VistaBeam 300 Louver 90°

LVR-V645 VistaBeam 600 Louver 45°
LVR-V660 VistaBeam 600 Louver 60°
LVR-V690 VistaBeam 600 Louver 90°

MTP-V63C
VistaBeam 63 Center Mount Assembly

MTP-V63H1
VistaBeam 63
Center Hanging Adapter (28mm)

MTP-V63JR
VistaBeam 63
Center Junior Adapter (28mm)

MTP-I80
Yoke Junior Pin (28mm)

XLR-515
DMX Cable 5 Pin XLR, 15ft

XLR-525
DMX Cable 5 Pin XLR, 25ft

True Match® Lamps

964-K29
96W Kino KF29 (Twin)
964-K32
96W Kino KF32 (Twin)
964-K55
96W Kino KF55 (Twin)

Cases

KAS-V61   **KAS-V62**   **KAS-V31**

Part Number	Description	Dimensions	Weight (Empty)	Holds
KAS-V61	VistaBeam 600 Center Ship Case	41.5 x 15.5 x 44" (105.5 x 39.5 x 112cm)	94 lb (42.3 kg)	VistaBeam 600 (1) Louver (2)
KAS-V62	VistaBeam 600 Center Ship Case (2)	41 x 27 x 44" (102.5 x 67.5 x 112cm)	122 lb (55 kg)	VistaBeam 600 (2) Louver (4)
KAS-V31	VistaBeam 300 Center Ship Case	42 x 14.5 x 25.5" (107 x 37 x 65cm)	55 lb (24.8 kg)	VistaBeam 300 (1) Louver (2)
KAS-VL8	VistaBeam 8-Lamp Ship Case	38 x 14 x 7" (96.5 x 35.6 x 17.8cm)	13.4 lb (6 kg)	VistaBeam Lamps (8)
KAS-VL8-C	VistaBeam 8-Lamp Travel Case	37 x 7.5 x 14" (94 x 19.1 x 35.6cm)	13lb (5.9kg)	VistaBeam Lamps (8)

Fixture Specifications

**VistaBeam 600
Center Mount**

**Model: VIS-6C
VistaBeam 600 DMX Center Mount**

Power Requirements: 120VAC or 230VAC
Amperage: 9.1 amps at 120VAC
4.6 amps at 230VAC
Weight w/ lamps: 46.6lb / 21kg
Dimensions: 37.5 x 36 x 8.5"
(95.5 x 91.5 x 21.5cm)
Remote Lamp Select: Phono jack input for
Remote Control
Switching: 1-6
Lamp type: 96W CFL

**VistaBeam 300
Center Mount**

**Model: VIS-3C
VistaBeam 300 DMX Center Mount**

Power Requirements: 120VAC or 230VAC
Amperage: 4.8 amps at 120VAC
2.4 amps at 230VAC
Weight w/ lamps: 28.6lb / 12.9kg
Dimensions: 37.5 x 20 x 8.5"
(95.5 x 51 x 21.5cm)
Remote Lamp Select: Phono jack input for
Remote Control
Switching: 1-3
Lamp type: 96W CFL

**VistaBeam 600
Yoke Mount**

**Model: VIS-6Y
VistaBeam 600 DMX Yoke Mount**

Power Requirements: 120VAC or 230VAC
Amperage: 9.1 amps at 120VAC
4.6 amps at 230VAC
Weight w/ lamps: 47.5lb / 21.4kg
Dimensions: 41.5 x 39.5 x 8.5"
(105.5 x 100.5 x 21.5cm)
Remote Lamp Select: Phono jack input for
Remote Control
Switching: 1-6
Lamp type: 96W CFL

**VistaBeam 300
Yoke Mount**

**Model: VIS-3Y
VistaBeam 300 DMX Yoke Mount**

Power Requirements: 120VAC or 230VAC
Amperage: 4.8 amps at 120VAC
2.4 amps at 230VAC
Weight w/ lamps: 28.6lb / 12.9kg
Dimensions: 41.5 x 24.5 x 8.5"
(105.5 x 62.2 x 21.5cm)
Remote Lamp Select: Phono jack input for
Remote Control
Switching: 1-3
Lamp type: 96W CFL

**VistaBeam 600
Pole-Op Mount**

**Model: VIS-6P
VistaBeam 600 DMX Pole-Op Mount**

Power Requirements: 120VAC or 230VAC
Amperage: 9.1 amps at 120VAC
4.6 amps at 230VAC
Weight w/ lamps: 47.5lb / 21.4kg
Dimensions: 41.5 x 39.5 x 8.5"
(105.5 x 100.5 x 21.5cm)
Remote Lamp Select: Phono jack input for
Remote Control
Switching: 1-6
Lamp type: 96W CFL

**VistaBeam 300
Pole-Op Mount**

**Model: VIS-3P
VistaBeam 300 DMX Pole-Op Mount**

Power Requirements: 120VAC or 230VAC
Amperage: 4.8 amps at 120VAC
2.4 amps at 230VAC
Weight w/ lamps: 29.5lb / 13.4kg
Dimensions: 41.5 x 24.5 x 8.5"
(105.5 x 62.2 x 21.5cm)
Remote Lamp Select: Phono jack input for
Remote Control
Switching: 1-3
Lamp type: 96W CFL

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 local and state regulations.

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