Operation Manual

VistaBeam® 610 & 310 DMX

VistaBeam 610 Center

VistaBeam 610 Pole-Op

KINO FLO® Lighting Systems

Part No. 3100058 Rev A

09-24-2013

VistaBeam Fixture Styles and Features

VistaBeam Center Mount

VIS-610C-120
VistaBeam 610 DMX Center Mount, 120VAC

VIS-610C-230
VistaBeam 610 DMX Center Mount, 230VAC

VIS-310C-120
VistaBeam 310 DMX Center Mount, 120VAC

VIS-310C-230
VistaBeam 310 DMX Center Mount, 230VAC

VistaBeam Yoke Mount

VIS-610Y-120
VistaBeam 610 DMX Yoke Mount, 120VAC

VIS-610Y-230
VistaBeam 610 DMX Yoke Mount, 230VAC

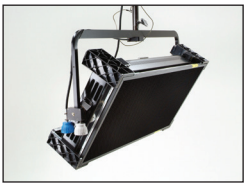
VIS-310Y-120
VistaBeam 310 DMX Yoke Mount, 120VAC

VIS-310Y-230
VistaBeam 310 DMX Yoke Mount, 230VAC

VistaBeam Pole-Op Mount

VIS-610P-120
VistaBeam 610 DMX Pole-Op, 120VAC

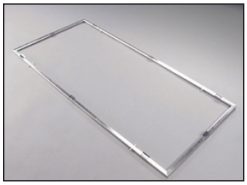
VIS-610P-230
VistaBeam 610 DMX Pole-Op, 230VAC



VIS-310P-120
VistaBeam 310 DMX Pole-Op, 120VAC

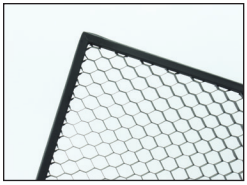
VIS-310P-230
VistaBeam 310 DMX Pole-Op, 230VAC

Included w/ all VistaBeam Models



GFR-V6
VistaBeam 610 Gel Frame (Included)

GFR-V3
VistaBeam 310 Gel Frame (Included)



LVR-V690
VistaBeam 610 Louver 90° (Included)

LVR-V390
VistaBeam 310 Louver 90° (Included)

True Match® Lamps

964-K32 96W Kino KF32 Twin

964-K55 96W Kino KF55 Twin

VistaBeam Center Mount Kits

KIT-V6C-120
VistaBeam 610 Center Mount Kit, 120VAC

KIT-V6C-230
VistaBeam 610 Center Mount Kit, 230VAC

Kit Contents:
1 VistaBeam 610 Center Mount
1 Ship Case

Dimensions	**Weight**
41.5 x 15.5 x 44”	135 lb
(105.5 x 39.5 x 112cm)	(61kg)

KIT-V3C-120
VistaBeam 310 Center Mount Kit, 120VAC

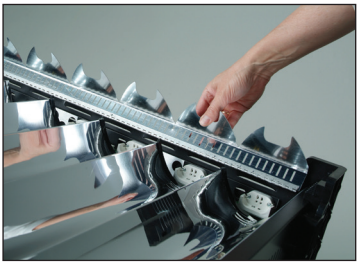
KIT-V3C-230
VistaBeam 310 Center Mount Kit, 230VAC

Kit Contents:
1 VistaBeam 310 Center Mount
1 Ship Case

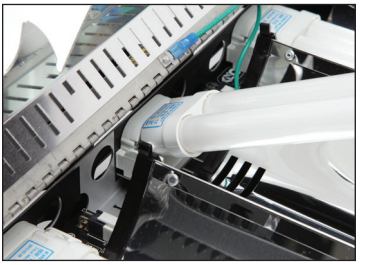
Dimensions	**Weight**
42 x 14.5 x 25.5”	79.5 lb
(107 x 37 x 65cm)	(36kg)

Inserting Lamps

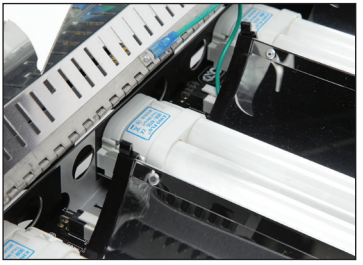
1



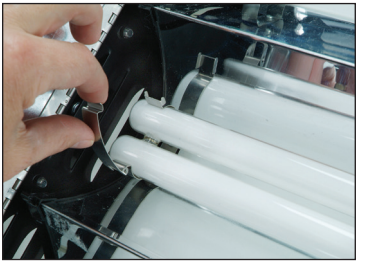
2



3



4

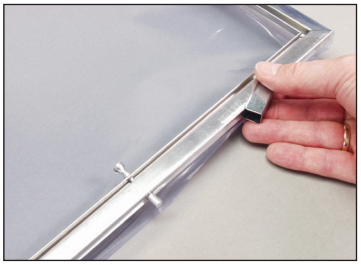


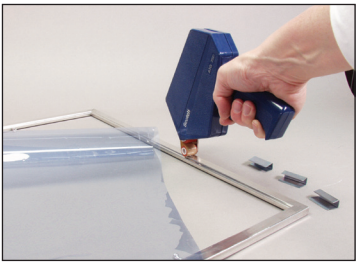
1) Open the two hinged reflector panels.
2 & 3) Insert the lamp base into the lamp connector.
4) Insert the lamp tip into the lamp clip. Close the reflector panels.

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

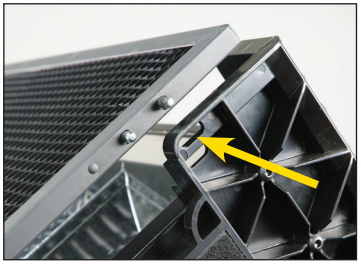
A 

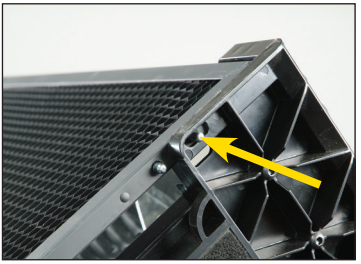
B 

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

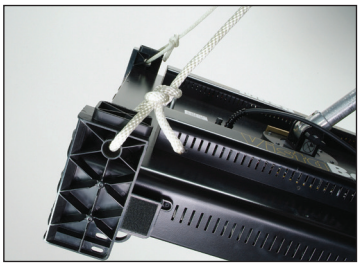
Inserting Louver





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

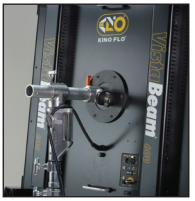


The large holes on the Accessory Holder can be used as rigging points, for example, a 4-point rope hang.

VistaBeam Center Mount

The **VistaBeam Center Mount** allows the fixture to mount to a junior stand or hang from a pipe grid with junior pipe clamp.

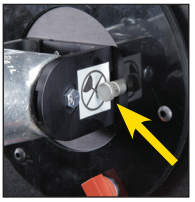
The Center Mount includes a Junior Stand Adapter **(MTP-V63JR)** which can be mounted onto a junior stand.



Center Mount Rotation and Tilt Controls

1) The black knob controls the tilt.

2) The gold lock lever controls the rotation of the fixture.



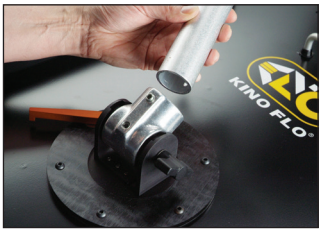
3) For further control, the center mount also rotates at 90° stops. Pull locking pin and turn counter-clockwise to unlock. When the fixture rotates to a 90° angle, the fixture will “click” into place. To lock into place, turn locking pin to the right.

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 610** and **310 Yoke Mount** fixtures can hang from a junior pipe hanger using a Junior Pin Assembly for Yoke **(MTP-I80)**, sold separately.

MTP-I80 Junior Pin Assembly for Yoke

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

VistaBeam Pole-Op Mount

The **VistaBeam 610** and **310 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

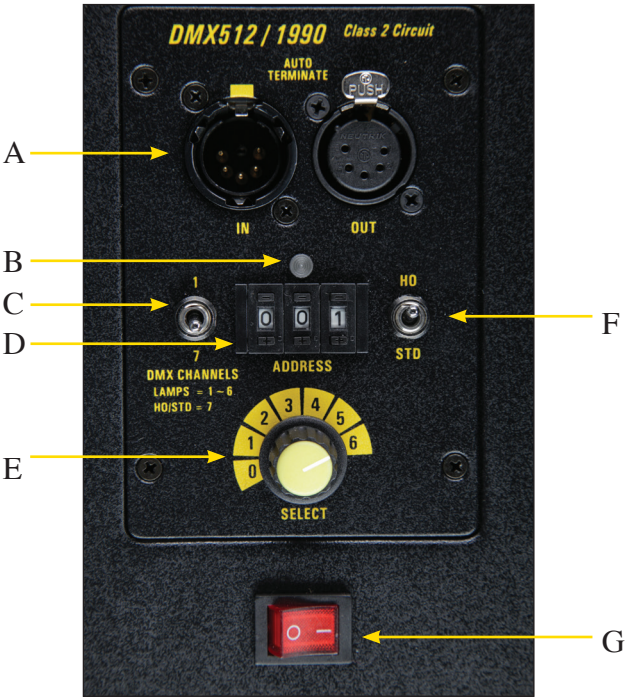
The **Blue** cup alters the **Pan** (left or right).

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

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.)

VistaBeam DMX Control Panel



A) DMX-IN & DMX-OUT: DMX-IN receives DMX signals from Dimmer Board. DMX-OUT relays DMX signal through other Fixtures or Instruments. **Note:** Each VistaBeam 610 & 310 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.

B) Indicator Light: Lights if valid DMX signal is present.

C) DMX Channels: Sets the VistaBeam to control all lamps on one channel or to control lamps individually. VistaBeam 610 uses 1 DMX channel or 7 DMX channels (1-6 = Lamps, 7 = **HO/Std**). VistaBeam 310 uses 1 DMX channel or 4 DMX channels (1-3 = Lamps, 4 = **HO/Std**).

D) DMX Address: Sets DMX Address of fixture.

E) Manual Select Dial: Turns lamps on and off manually without connecting DMX cable to fixture

F) HO/STD: **HO** operates lamps in High Output mode; **STD** operates lamps in Standard Output mode

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

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 dimming board, set the dimmer profile to non-dim.

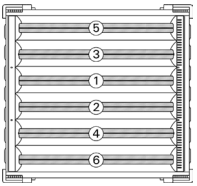
FUSE
Fuse provides circuit protection. Note: If Fuse is “blown” or “open”, replace with same type of fuse rating as marked.

Load Considerations:
The Kino Flo ballasts used in the VistaBeam are not power factor corrected. They will draw double 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.

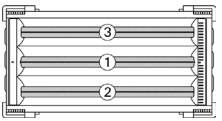
Manual Operation

The VistaBeam DMX fixtures may be operated with the Manual Lamp Selector Knob. The selector knob 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).

VistaBeam 610 Lamp Switching



VistaBeam 310 Lamp Switching



HO operates lamps in High Output mode.

STD operates lamps in Standard Output mode.

Note: All manual functions are disabled as soon as 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.

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.

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 Channels

The **VistaBeam 610** operates on DMX Channel 1 or 7.

On **DMX Channel 1**, one DMX address controls all 6 lamps on one dimmer channel. Channels 2-6 not used. A 7th address controls the **HO/Std** setting. Not assigning the 7th address results in the fixture operating at the **HO** setting.

On **DMX Channel 7**, the first six DMX addresses control 6 lamps individually. After the first DMX address is entered, the VistaBeam 610 automatically assigns 6 addresses to lamp positions 1-6, and address 7 controls the **HO/Std** setting. Not assigning the 7th address results in the fixture operating at the **HO** setting.

The **VistaBeam 310** operates on DMX Channel 1 or 4.

On **DMX Channel 1**, one DMX address controls all 3 lamps on one DMX channel. Channels 2 & 3 not used. A 4th address controls the **HO/Std**. Not assigning the 4th address results in the fixture operating at the **HO** setting.

On **DMX Channel 4**, the first three DMX addresses control 3 lamps individually. After the first DMX channel is entered, the VistaBeam 310 automatically assigns 3 addresses to lamp positions 1-3, and address 4 controls the **HO/Std** setting. Not assigning the 4th address results in the fixture operating at the **HO** setting.

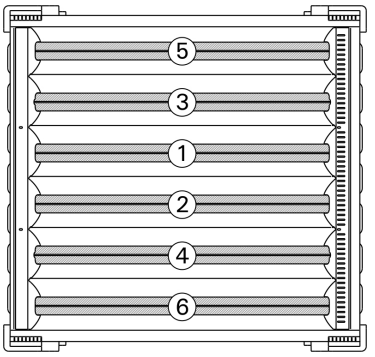
Note: Setting the fixture to DMX Channel 1 allows the user to recreate the “inside-out” pattern of the manual selector dial. One of the best applications for DMX Channel 1 is when lighting Blue and Green Screens or large cycloramas.

For example, one row of fixtures can be set to 001 or 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.

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.

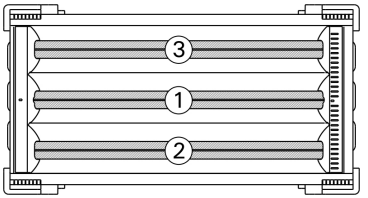
Note: The lamps may respond ± 4 channel levels, depending on the dimmer board. See diagrams below.

VistaBeam 610 Lamp Sequence (DMX Channel 1)



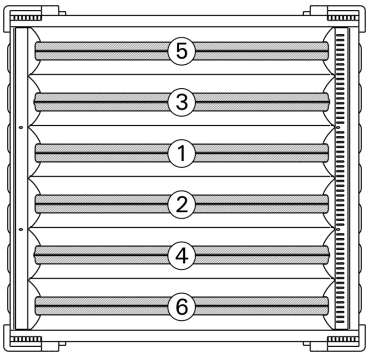
VistaBeam 610 Lamp Sequence (DMX Channel 1)	
Address 1	**Dimmer Level**
Lamp 1	6
Lamp 1~2	19
Lamp 1~3	32
Lamp 1~4	45
Lamp 1~5	57
Lamp 1~6	95
Address 7	
HO	0
STD	50

VistaBeam 310 Lamp Sequence (DMX Channel 1)



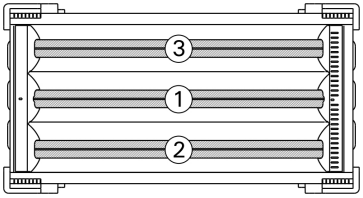
VistaBeam 310 Lamp Sequence (DMX Channel 1)	
Address 1	**Dimmer Level**
Lamp 1	6
Lamp 1~2	50
Lamp 1~3	95
Address 4	
HO	0
STD	50

VistaBeam 610 Lamp Sequence (DMX Channel 7)



VistaBeam 610 DMX Address Sequence (DMX Channel 7)	
Lamp #	**DMX Address**
Lamp 1	1
Lamp 2	2
Lamp 3	3
Lamp 4	4
Lamp 5	5
Lamp 6	6
HO/STD	7

VistaBeam 310 Lamp Sequence (DMX Channel 4)



VistaBeam 310 DMX Address Sequence (DMX Channel 4)	
Lamp #	**DMX Address**
Lamp 1	1
Lamp 2	2
Lamp 3	3
HO/STD	4

Auto Terminate Feature

The VistaBeam 610 and 310 series 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 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:

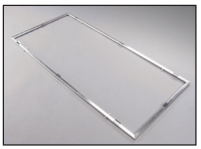
Pin 1: Shield
Pin 2: Data –
Pin 3: Data +
Pin 4: Spare –
Pin 5: Spare +

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 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).

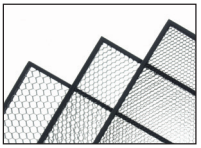
Note: If a fixture loses its DMX signal, it will hold its last DMX command. For this reason, it is important to turn a fixture off using the DMX commands. For example, if you try to turn off the lights by turning off the dimmer board, the fixtures will remember their last DMX command and stay on. The fixtures require a DMX "Off" or "Black-out" command in order to turn off.

Accessories and Parts



GFR-V6 VistaBeam 610 Gel Frame

GFR-V3 VistaBeam 310 Gel Frame



LVR-V690 VistaBeam 610 Louver, 90°
LVR-V660 VistaBeam 610 Louver, 60°
LVR-V645 VistaBeam 610 Louver, 45°
LVR-V390 VistaBeam 310 Louver, 90°
LVR-V360 VistaBeam 310 Louver, 60°
LVR-V345 VistaBeam 310 Louver, 45°

MTP-V63C VistaBeam 63 Center Mount Assembly

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

MTP-V63JR VistaBeam 63 Junior Adapter (28mm)

XLR-515 DMX Cable 5-Pin XLR, 15ft

XLR-525 DMX Cable 5-Pin XLR, 25ft

7010034 VistaBeam 610 Yoke Assembly

7010035 VistaBeam 310 Yoke Assembly

7010036 VistaBeam 610 Pole-Op Assembly

7010037 VistaBeam 310 Pole-Op Assembly

True Match® Lamps

964-K32 96W Kino KF32 Twin

964-K55 96W Kino KF55 Twin

Cases

KAS-V61

KAS-V31

KAS-VL8-C

Part Number	Description	Dimensions	Weight (Empty)	Holds
KAS-V61	VistaBeam 610 Center Ship Case	41.5 x 16 x 44” (105.5 x 40.5 x 112cm)	93 lb (42kg)	VistaBeam 610, Louver (2)
KAS-V31	VistaBeam 310 Center Ship Case	41.5 x 14.5 x 25.5” (102.5 x 37x 65cm)	53 lb (24kg)	VistaBeam 310, Louver (2)
KAS-VL8	VistaBeam 8-Lamp Ship Case	38 x 7 x 14” (96.5 x 18 x 36cm)	13.5lb (6kg)	96W Twin Lamps (8)
KAS-VL8-C	VistaBeam 8-Lamp Travel Case	37.5 x 6 x 14” (95.5 x 15 x 36cm)	11.5 lb (5kg)	96W Twin Lamps (8)

Fixture Specifications

VistaBeam 610
Center Mount

Model: VIS-610C
VistaBeam 610 DMX Center Mount

Power Requirements: 120VAC or 230VAC
Amperage: 8.0 amps at 120VAC
4.7 amps at 230VAC
Lamp Switching: 1~6
Output Switching: HO/Std
Weight w/ lamps: 46.5 lb / 21kg
Dimensions: 37.5 x 35.5 x 8.5”
(95.5 x 90 x 21.5cm)
Lamp type: 96W CFL

VistaBeam 610
Yoke Mount

Model: VIS-610Y
VistaBeam 610 DMX Yoke Mount

Power Requirements: 120VAC or 230VAC
Amperage: 8.0 amps at 120VAC
4.7 amps at 230VAC
Lamp Switching: 1~6
Output Switching: HO/Std
Weight w/ lamps: 46.5 lb / 21kg
Dimensions: 41 x 39.5 x 8.5”
(104 x 100.5 x 21.5cm)
Lamp type: 96W CFL

VistaBeam 610
Pole-Op

Model: VIS-610P
VistaBeam 610 DMX Pole-Op

Power Requirements: 120VAC or 230VAC
Amperage: 8.0 amps at 120VAC
4.7 amps at 230VAC
Lamp Switching: 1~6
Output Switching: HO/Std
Weight w/ lamps: 49 lb / 22kg
Dimensions: 41 x 39.5 x 8.5”
(104 x 100.5 x 21.5cm)
Lamp type: 96W CFL

VistaBeam 310
Center Mount

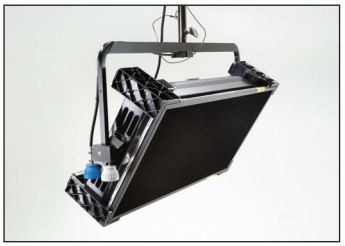
Model: VIS-310C
VistaBeam 310 DMX Center Mount

Power Requirements: 120VAC or 230VAC
Amperage: 4.0 amps at 120VAC
2.4 amps at 230VAC
Lamp Switching: 1~3
Output Switching: HO/Std
Weight w/ lamps: 28.5 lb / 13kg
Dimensions: 37.5 x 20 x 9”
(95.5 x 51.5 x 23cm)
Lamp type: 96W CFL

VistaBeam 310
Yoke Mount

Model: VIS-310Y
VistaBeam 310 DMX Yoke Mount

Power Requirements: 120VAC or 230VAC
Amperage: 4.0 amps at 120VAC
2.4 amps at 230VAC
Lamp Switching: 1~3
Output Switching: HO/Std
Weight w/ lamps: 28 lb / 13kg
Dimensions: 41 x 23.5 x 8.5”
(104 x 60 x 21.5cm)
Lamp type: 96W CFL



VistaBeam 310
Pole-Op

Model: VIS-310P
VistaBeam 310 DMX Pole-Op

Power Requirements: 120VAC or 230VAC
Amperage: 4.0 amps at 120VAC
2.4 amps at 230VAC
Lamp Switching: 1~3
Output Switching: HO/Std
Weight w/ lamps: 30.5 lb / 14kg
Dimensions: 41 x 23.5 x 8.5”
(104 x 60 x 21.5cm)
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 governmental regulations.