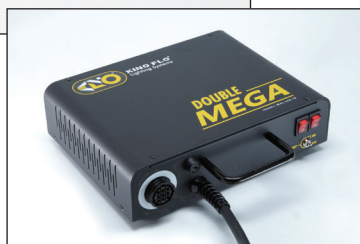

Operation Manual

Mega Double & Single



KINO FLO®
Lighting Systems

Mega Double System



CFX-9602 8ft Mega Double Fixture

CFX-7202 6ft Mega Double Fixture



MTP-KM Kino 81 "Slide-On" Mount w/
Junior Pin (28mm)



X09-25M Mega Double Extension, 25ft



BAL-215-M120 Mega Double Ballast,
120VAC

BAL-215-M230 Mega Double Ballast,
230VAC

Mega Single System



CFX-9601 8ft Mega Single Fixture

CFX-7201 6ft Mega Single Fixture



MTP-KM Kino 81 "Slide-On" Mount w/
Junior Pin (28mm)



X07-25M Mega Single Extension, 25ft



BAL-105-M120 Mega Single Ballast,
120VAC

BAL-115-M230 Mega Single Ballast,
230VAC

Each System consists of:

- 1 Mega Fixture
- 1 Mounting Plate
- 1 Extension Cable
- 1 Electronic Ballast

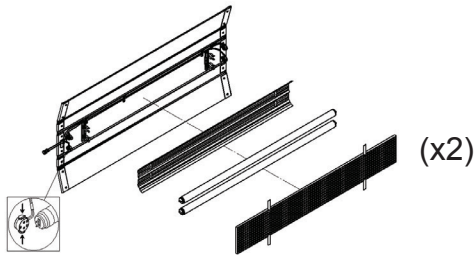
True Match® Lamps



722-K32-S 6ft Kino KF32
722-K55-S 6ft Kino KF55

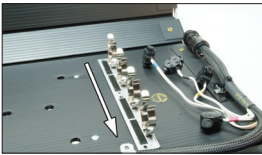
962-K32-S 8ft Kino KF32
962-K55-S 8ft Kino KF55

Fixture Assembly



The Mega Double and Single fixtures are comprised of two removable Louvers, a Reflector and a Lamp Harness. The Louvers and Reflector are held in place with Velcro fasteners. The Lamp Harness is secured by means of a $\frac{1}{4}$ turn fastener and two clips.

Note: The 8ft fixtures include two 4ft louvers; the 6ft fixtures include two 3ft louvers.



To Release the Lamp Harness

Remove the harness from 2 clips located under the reflector. Rotate the $\frac{1}{4}$ turn fastener clockwise to release harness.



The lamps can operate independent of the fixture allowing them to be built into sets or custom soft boxes or hand-held as a single tube for an eye-light.

WARNING: Always use safety-coated lamps to avoid injury if lamp breaks.

Lamp Harness Color Codes



Double Harness

The Mega Double Harness wiring is color-coded. The same color-code must match at each end of the lamp for proper operation.

Inserting Lamps

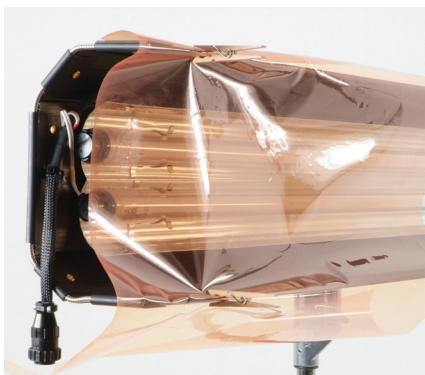


Locking Lamp Connector:

Depress both tabs on lamp connector and apply to lamp pins. Match the Harness color-codes at each end of the lamp. Push lamps into the fixture's Lamp Holder Clips.

Note: Mega 4Bank fixture is shown for example purposes only.

Gelling the Fixture



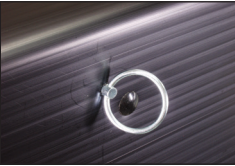
Restricting the airflow around the lamps can cause the lamps to operate hotter. This increased heat will raise the lamp's color temperature and green spike. Therefore, it is recommended to clip gels to the doors of the fixture.

Remove louvers. Do Not clip gels to louver. Do Not block the fixture ends in a manner that restricts airflow.

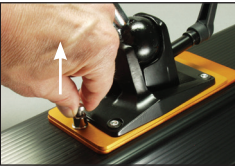
Mounting the Fixture



Align the four shoulder rivets on the mounting plate (**MTP-KM**) to the holes in the mating plate and slide down. The locking pin will snap into place when the plate is properly seated.



The Silver Rings provide attachment points for a safety chain.



To remove the plate, pull up on the locking pin and reverse the mounting procedure.



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 it to be reoriented.

Note: You can also use a screwdriver to adjust the travel. Pull back on handle and adjust the screw in the center of the handle.

Other Fixture Mounting Options



The grommet holes along the edge of the fixture are designed to allow the fixture to be screwed onto set walls.

Extension Cable



To insert the cable, position the logo up to align the key ways on the extension cable with the circular receptacle on the ballast. Rotate the locking ring until it clicks into the lock position.

Lamps can operate as far as 75 feet from the ballast. (3 x 25ft extensions)



A **Splitter** can be used at the Ballast or on the end of an Extension Cable to split a Mega Double run into two Mega Singles. This allows for greater rigging flexibility.



A **Combiner** can connect smaller ballasts to a larger fixture. For example, two Mega Single Ballasts can be combined to a Mega Double Extension or Fixture.

Ballast Operation

WARNING!

- 1) ALWAYS TURN OFF THE BALLAST BEFORE connecting or disconnecting Lamps, Harnesses or Extension Cables.
- 2) Use only with Sine wave inverters. Do not operate on SCR dimmers.
- 3) If powering the ballasts through a Dimmer Pack, set the Dimmer to Non-Dim mode.

The 120VAC Ballast requires 110 to 130 Volts AC 50/60 Hertz on an earth grounded circuit; the 230VAC Ballast requires 220 to 240 Volts AC on an earth grounded circuit. The electronic Ballast operates at a high frequency of 25 kHz. It is dead-quiet, instant-on and lightweight.

The Ballast operates remote from the fixture. Connect the Extension cable to the Ballast and the Lamp Harness. After the lamps are properly installed, the Ballast can be turned on.

Load Considerations

Kino Flo Mega ballasts 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.

Cold Temperature Operation

The Mega Ballast series is designed to operate at temperatures from 14F to 122F (-10C to +50C). In cold temperatures, the Ballast may not strike the lamp(s) instantly. Switch the Ballast to OFF, wait seven seconds and try again. If the Ballast does not strike after two or three attempts, turn off the Ballast, check that the Extension and Harness connections are secure and re-strike. Once operating for a few minutes, the lamps should re-strike instantly.

Mega Double Control Panel

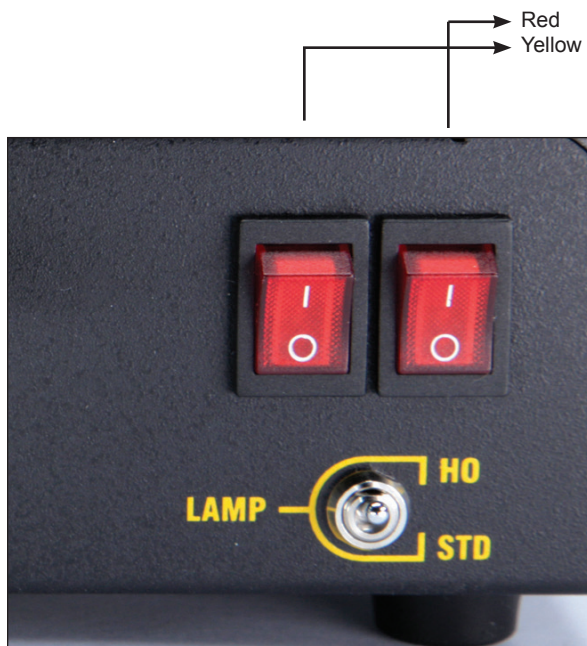


- A) **Circular Output Connector:** Provides electrical power to the lamp head with the use of an extension cable.
- B) **Fuse:** Provides circuit protection. Note: If Fuse is “blown” or “open”, replace with same type of fuse rating as marked.
- C) **Manual Switches:** Turns lamps on and off manually.
- D) **HO/STD:** Set to HO for High Output and Std for Standard light output.

(Note: The Mega Double ballast is shown for example purposes.)

Manual Operation

The Ballast operates remote from the fixture. Connect the Extension cable to the Ballast and the Lamp Harness. After the lamps are properly installed, the Ballast can be turned on. Each switch controls one lamp. The color bands on the lamp harness correspond to the switches as illustrated.



Lamp Select Feature

The Mega Ballasts have an **HO/Std** switch. Set the selector switch to **HO** for High Output and **Std** for Standard light output.

When operating 8ft or 6ft lamps in high ambient temperature or where the units are rigged into place with restricted airflow, the **Std** setting can be used to lower the color temperature and remove any green spike. The light drops about a half f-stop in exposure when dropping from **HO** to **Std**.

System Components



CFX-9602 8ft Mega Double Fixture
CFX-9601 8ft Mega Single Fixture
CFX-7202 6ft Mega Double Fixture
CFX-7201 6ft Mega Single Fixture



MTP-KM Kino 81 "Slide-On" Mount w/
Junior Pin (28mm)



X09-25M Mega Double Extension, 25ft
X07-25M Mega Single Extension, 25ft



BAL-215-M120 Mega Double Ballast, 120VAC
BAL-215-M230 Mega Double Ballast, 230VAC
BAL-105-M120 Mega Single Ballast, 120VAC
BAL-115-M230 Mega Single Ballast, 230VAC

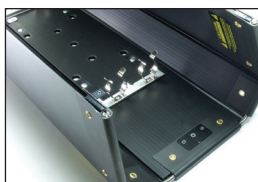
True Match® Lamps



722-K32-S 6ft Kino KF32
722-K55-S 6ft Kino KF55

962-K32-S 8ft Kino KF32
962-K55-S 8ft Kino KF55

Accessories and Parts



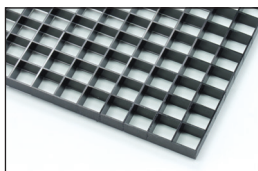
FIX-9602 8ft Mega Double Fixture Shell
FIX-9601 8ft Mega Single Fixture Shell

FIX-7202 6ft Mega Double Fixture Shell
FIX-7201 6ft Mega Single Fixture Shell



HAR-9602 8ft Mega Double Fixture Harness
HAR-9601 8ft Mega Single Fixture Harness

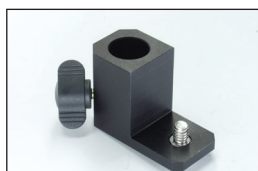
HAR-7202 6ft Mega Double Fixture Harness
HAR-7201 6ft Mega Single Fixture Harness



LVR-4802-B 4ft Double Louver, Black
LVR-4801-B 4ft Single Louver, Black
LVR-3602-B 3ft Double Louver, Black
LVR-3601-B 3ft Single Louver, Black

* 8ft Fixtures require two 4ft Louvers

* 6ft Fixtures require two 3ft Louvers



MTP-BAL Kino Ballast Baby Mount (16mm)



MTP-LM Kino 81 Lollipop w/ Junior Pin (28mm)



REF-9602 8ft Mega Double Reflector
REF-9601 8ft Mega Single Reflector

REF-9602 6ft Mega Double Reflector
REF-9601 6ft Mega Single Reflector



X09-A7M Mega Double to Mega Single Splitter
X09-A19M Mega Double to Mega 4Bank Combiner
X07-A9M Mega Single to Mega Double Combiner
X07-A19M Mega Single to Mega 4Bank Combiner

Expendables



EXP-LHC-T12 Lamp Holder Clips, T12 (24pk)



EXP-M&T Adhesive Mounts & Releasable Ties (25pk)



PRT-HLC Kino Locking Lamp Connector (1pk)

PRT-HLC/50PK Kino Locking Lamp Connector (50pk)

See our website at www.kinoflo.com for more repair parts.

Cases



KAS-96



KAS-96L

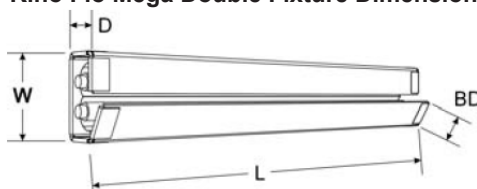


KAS-KFC

Part Number	Description	Dimensions	Weight (Empty)	Holds
INS-L4	4-Lamp Foam Pad	24 x 9 x 1" (61 x 23 x 2.5cm)	N/A	Fits KAS-48, 72, 96
INS-L6	6-Lamp Foam Pad	24 x 13 x 1" (61 x 33 x 2.5cm)	N/A	Fits KAS-54S, 54L, 96L
KAS-72	6ft Lamp Ship Case	72.5 x 11 x 12" (184 x 28 x 30.5cm)	20 lb (9kg)	6ft Lamps (20)
KAS-96	8ft Lamp Ship Case	97.5 x 11 x 14" (248 x 28 x 36cm)	29 lb (13kg)	8ft Lamps (24)
KAS-96L	8ft Fixture Ship Case	101.5 x 14.5 x 16.5" (258 x 37 x 42cm)	38.5 lb (17.5kg)	8ft Mega Double Fixtures (9)
KAS-KFC	Ballast & Cable Crate w/ Lid	21.5 x 15 x 12" (54.5 x 38 x 30.5cm)	6 lb (3kg)	Ballasts, Cables, Mounting Plates

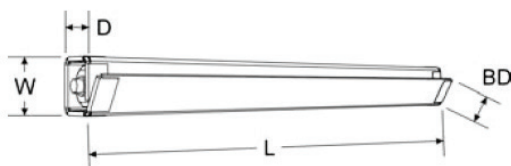
Fixture Specifications

Kino Flo Mega Double Fixture Dimensions



Fixture Style	Length	Width	Depth	Barndoor Width	Weight w/ Lamps
8ft Mega Double	97"	7.5"	3.5"	3.5"	10 lbs
6ft Mega Double	73.5"	7.5"	3.5"	3.5"	9.2 lbs

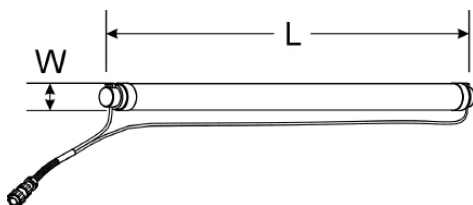
Kino Flo Mega Single Fixture Dimensions



Fixture Style	Length	Width	Depth	Barndoor Width	Weight w/ Lamps
8ft Mega Single	97"	4.5"	3.5"	3.5"	6.8 lbs
6ft Mega Single	73.5"	4.5"	3.5"	3.5"	6.3 lbs

Lamp w/ Harness Specifications

Kino Flo Lamp w/ Harness Dimensions



Lamp Type	Length	Width
8ft Med. Bi-Pin	94.5"	1.5"
6ft Med. Bi-Pin	70.5"	1.5"

Ballast Specifications



Mega Double

BAL-215-M120 Mega Double Ballast, 120VAC

Input Voltage: 120VAC 50/60Hz
Output Frequency: 25kHz
Amperage: F120/3.7A, F100/3.1A
Lamp Switching: 1~2
Output Switching: HO/Std
Ballast Size: 9.5 x 9 x 3"
(24 x 23 x 7.6cm)
Weight: 3.5 lb (1.6kg)

BAL-215-M230 Mega Double Ballast, 230VAC

Input Voltage: 230VAC 50/60Hz
Output Frequency: 25kHz
Amperage: F120/2.2A, F100/1.7A
Lamp Switching: 1~2
Output Switching: HO/Std
Ballast Size: 9.5 x 9 x 3"
(24 x 23 x 7.6cm)
Weight: 4.2 lb (1.9kg)



Mega Single

BAL-105-M120 Mega Single Ballast, 120VAC

Input Voltage: 120VAC 50/60Hz
Output Frequency: 25kHz
Amperage: F120/2.2A, F100/1.6A
Lamp Switching: 1~off
Output Switching: HO/Std
Ballast Size: 11 x 2.5 x 2.5"
(28 x 6.5 x 6.5cm)
Weight: 2.1 lb (0.9kg)

BAL-115-M230 Mega Single Ballast, 230VAC

Input Voltage: 230VAC 50/60Hz
Output Frequency: 25kHz
Amperage: F120/1.1A, F100/0.9A
Lamp Switching: 1~off
Output Switching: HO/Std
Ballast Size: 10.5 x 4 x 3"
(26.5 x 10 x 7.6cm)
Weight: 2.7 lb (1.2kg)

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.

Kino Flo, Inc. 2840 N. Hollywood Way, Burbank, CA 91505, USA
Tel: 818 767-6528 website: www.kinoflo.com