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# Operation Manual

## Mega

### 4Bank, Double & Single



# Mega Systems

4Bank

Double

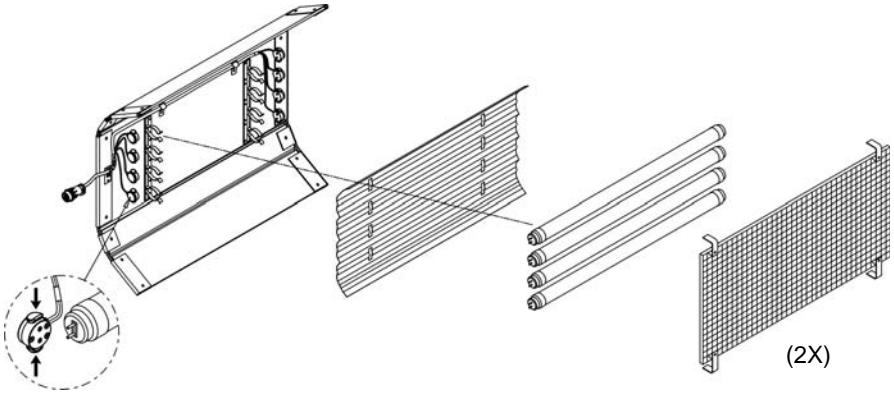
Single



**Each System consists of:**

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

# Fixture Assembly



The Mega 4Bank, 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 1/4 turn fastener and two clips.

**Note:** The 8ft Fixtures require two 4ft Louvers; the 6ft Fixtures require two 3ft louvers.



## To Release the Lamp Harness

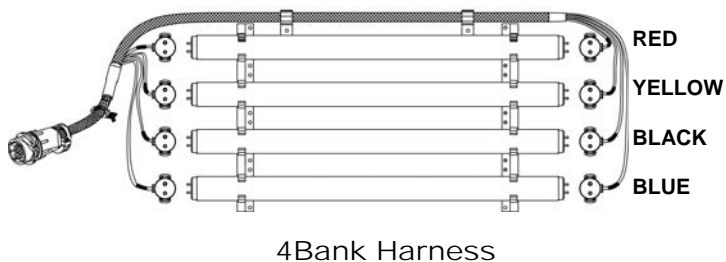
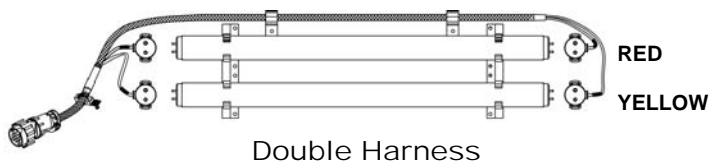
Remove the harness from 2 clips located under the reflector. Rotate the 1/4 turn fastener clockwise to release harness.



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



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

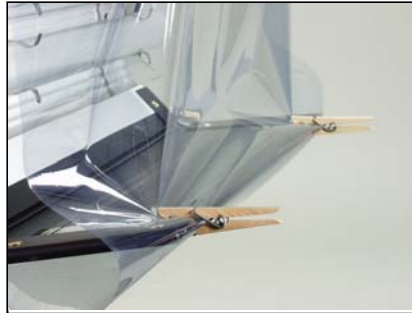
## Inserting Lamps



### 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.

# Gelling the Fixture



Restricting the airflow around the lamps can cause the lamp 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.

**Do Not** clip gels to louver.

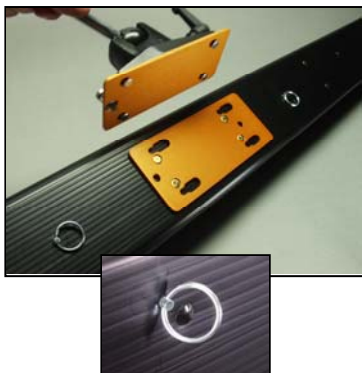
**Do Not** block the fixture ends in a manner that restricts airflow.

# Mounting the Fixture



## Mega 4Bank Mounting

Align the center pin of the mounting plate (**MTP-K81**) to the center hole on the mating plate. Rotate plate clockwise until the four shoulder rivets drop into the receptacle. A locking pin will snap into place when the plate is properly seated.



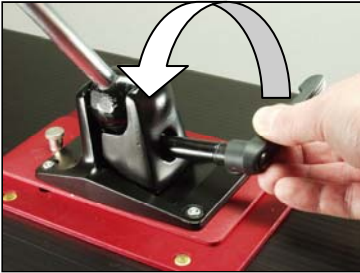
## Mounting Mega Doubles and Singles

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

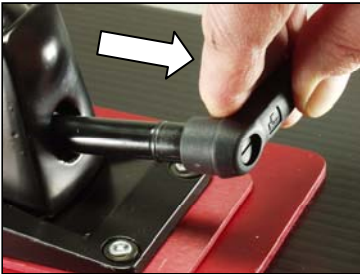
The **Silver Loops** provide attachment points for a safety chain.



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



**To loosen or tighten the Lollipop** turn Lock Lever. The Lever can be adjusted so a 180 degree turn provides the necessary clamping strength. Reorienting the Lever allows for further tightening or loosening of the clamp.



**To reorient the Lock Lever**, pull Lever away from mount. This disengages the Lever from the screw mechanism and allows it to be reoriented.

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

## 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, 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 4 bank run into either four Singles or two Doubles. This allows for greater rigging flexibility.



A **Combiner** can connect a number of smaller ballasts to a larger fixture. For example, four Single Ballasts or two Double ballasts can be combined to a 4Bank 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.

## Ballast Operation Continued....

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 25KHz. 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.

## Cold Temperature Operation

The Select 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.

Each switch controls one lamp.  
The color bands on the Lamp Harness correspond to the switches as illustrated.

### Color Band

- Red
- Yellow
- Black
- Blue



## Lamp Select Feature

The Mega Select Ballasts have a **HO/Std** switch. Set the Selector Switch to **HO** for 8ft and 6ft lamps. The **Std** setting can be used to lower the light level by a ½ f-Stop.

When operating 8ft and 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.



# System Components



**CFX-9604** 8ft Mega 4Bank Fixture  
**CFX-9602** 8ft Mega Double Fixture  
**CFX-9601** 8ft Mega Single Fixture

**CFX-7204** 6ft Mega 4Bank Fixture  
**CFX-7202** 6ft Mega Double Fixture  
**CFX-7201** 6ft Mega Single Fixture



*For Mega 4Bank Fixture*

**MTP-K81** Mega "Twist-On" Mount  
w/Junior Pin



*For Mega Double and Single Fixture*

**MTP-KM** Mega "Slide-On" Mount  
w/Junior Pin



**X19-25M** Mega 4Bank Ext. Cable, 25ft  
**X09-25M** Mega Double Ext. Cable, 25ft  
**X07-25M** Mega Single Ext. Cable, 25ft



**BAL-410-M120** Mega 4Bank, 120VAC  
**BAL-410-M230** Mega/ef 4Bank, 230VAC

**BAL-210-M120** Mega Double, 120VAC  
**BAL-210-M230** Mega/ef Double, 230VAC

**BAL-105-M120** Mega Single, 120VAC  
**BAL-100-M230** Mega/ef Single, 230VAC

# Accessories and Parts



**FIX-9604** 8ft Mega 4Bank Fixture Shell  
**FIX-9602** 8ft Mega Double Fixture Shell  
**FIX-9601** 8ft Mega Single Fixture Shell

**FIX-7204** 6ft Mega 4Bank Fixture Shell  
**FIX-7202** 6ft Mega Double Fixture Shell  
**FIX-7201** 6ft Mega Single Fixture Shell



**HAR-9604** 8ft Mega 4Bank Harness  
**HAR-9602** 8ft Mega Double Harness  
**HAR-9601** 8ft Mega Single Harness

**HAR-7204** 6ft Mega 4Bank Harness  
**HAR-7202** 6ft Mega Double Harness  
**HAR-7201** 6ft Mega Single Harness



*8ft Fixtures require two 4ft Louvers*

**LVR-4804-B** 4ft 4Bank Louver, Black  
**LVR-4802-B** 4ft Double Louver, Black  
**LVR-4801-B** 4ft Single Louver, Black

*6ft Fixtures require two 3ft Louvers*

**LVR-3604-B** 3ft 4Bank Louver, Black  
**LVR-3602-B** 3ft Double Louver, Black  
**LVR-3601-B** 3ft Single Louver, Black



**MTP-BAL** Select/Mega Ballast Mount



**MTP-LM** Mega Lollipop w/ Junior Pin



**MTP-LMT** Mega Lollipop Straight w/ Junior Pin



**REF-9604** 8ft Mega 4Bank Reflector  
**REF-9602** 8ft Mega Double Reflector  
**REF-9601** 8ft Mega Single Reflector

**REF-7204** 6ft Mega 4Bank Reflector  
**REF-7202** 6ft Mega Double Reflector  
**REF-7201** 6ft Mega Single Reflector



**X19-A7M** Mega 4Bank to Mega Single Splitter  
**X19-A9M** Mega 4Bank to Mega Double Splitter  
**X09-A7M** Mega Double to Mega Single Splitter

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

# Expendables



**EXP-LHC-T12** Lamp Holder Clips T12, 24pk



**EXP-M&T** Adhesive Mounts and Releasable Ties, 25pk



**PRT-HLC** Kino Locking Lamp Connector, 1 pk

# Cases



**KAS-96**



**KAS-96L**

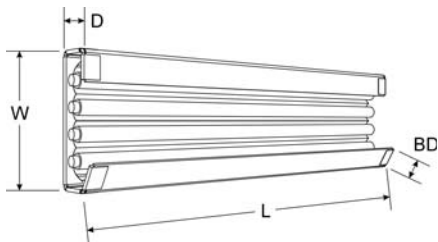


**KAS-KFC**

Part Number	Description	Dimensions	Weight (Empty)	Holds
<b>INS-L4</b>	4-Lamp Foam Pad	24 x 9 x 1" (61 x 23 x 2.5cm)	N/A	Fits KAS-48, 72, 96
<b>INS-L6</b>	6-Lamp Foam Pad	24 x 13 x 1" (61 x 33 x 2.5cm)	N/A	Fits KAS-54S, 54L, 96L
<b>KAS-72</b>	6ft Lamp Ship Case	71 x 10.5 x 11" (180.5 x 26.5 x 28cm)	20lb / 9kg	6ft Lamps (20)
<b>KAS-96</b>	8ft Lamp Ship Case	97 x 11 x 12.5" (246 x 28 x 32cm)	28lb / 12.6kg	8ft Lamps (24)
<b>KAS-96L</b>	8ft Fixture Case, Large	100.5 x 14.5 x 16" (255 x 37 x 40.5cm)	38lb / 17.1kg	8ft 4Bank Fixture (5)
<b>KAS-KFC</b>	Ballasts & Cables Crate w/ Lid	21.5 x 15 x 12" (54.5 x 38 x 30.5cm)	6lb / 2.7kg	Ballasts, Cables, Mounting Plates

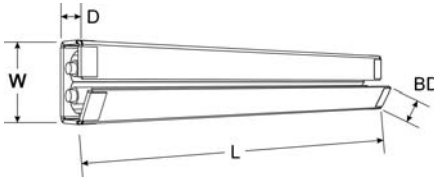
# Fixture Specifications

## Kino Flo Mega 4Bank Fixture Dimensions



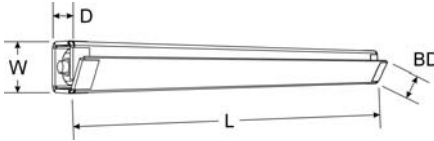
Fixture Style	Length	Width	Depth	Barndoor Width	Weight w/Lamps
8ft Mega 4Bank	97"	13"	3.5"	3.5"	21.8 lbs
6ft Mega 4Bank	73.5"	13"	3.5"	3.5"	18.5 lbs

### Kino Flo Mega Double Fixture Dimensions



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

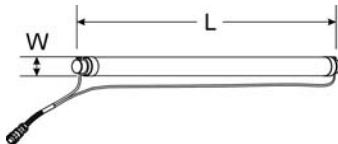
### Kino Flo Mega Single Fixture Dimensions



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



## **BAL-410-M120**

Mega 4Bank Ballast, 120VAC

Input Voltage: 120VAC 50/60Hz  
Output Frequency: 25kHz  
Amperage: F120 / 7.0A, F100 / 5.7A  
Lamp switching: 1~4  
Output Switching: HO/Std  
Ballast size: 13 x 9.5 x 2.5"  
(33 x 24 x 6.5cm)  
Weight: 5.8lb / 2.6kg

## **BAL-410-M230**

Mega/ef 4Bank Ballast, 230VAC

Input Voltage: 230VAC 50/60Hz  
Output Frequency: 25kHz  
Amperage: F120 / 3.8A, F100 / 2.8A  
Lamp switching: 1~4  
Output Switching: HO/Std  
Ballast size: 13.5 x 9.5 x 2.5"  
(34.5 x 24 x 6.6cm)  
Weight: 6.5lb / 2.9kg



## **BAL-210-M120**

Mega Double Ballast, 120VAC

Input Voltage: 120VAC 50/60Hz  
Output Frequency: 25kHz  
Amperage: F120 / 3.8A, F100 / 3.2A  
Lamp switching: 1~2  
Output Switching: HO/Std  
Ballast size: 9.5 x 9 x 2.5"  
(24 x 23 x 6.5cm)  
Weight: 3.5lb / 1.6kg

## **BAL-210-M230**

Mega/ef Double Ballast, 230VAC

Input Voltage: 230VAC 50/60Hz  
Output Frequency: 25kHz  
Amperage: F120 / 2.0A, F100 / 1.6A  
Lamp switching: 1~2  
Output Switching: HO/Std  
Ballast size: 9.5 x 9.5 x 2.5"  
(24 x 24 x 6.5cm)  
Weight: 4.2lb / 1.9kg



**BAL-105-M120**

Mega Single Ballast, 120VAC

Input Voltage: 120VAC 50/60Hz  
Output Frequency: 25kHz  
Amperage: F120 / 2.0A, F100 / 1.8A  
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: 2.1lbs / .9kg

**BAL-100-M230**

Mega/ef Single Ballast, 230VAC

Input Voltage: 230VAC 50/60Hz  
Output Frequency: 25kHz  
Amperage: F120 / 1.2A, F100/ 0.9A  
Lamp switching: 1~off  
Output Switching: HO/Std  
Ballast size: 10.5 x 4 x 2.5"  
(26.5 x 10 x 6.5cm)  
Weight: 2.7lb / 1.2kg

**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.