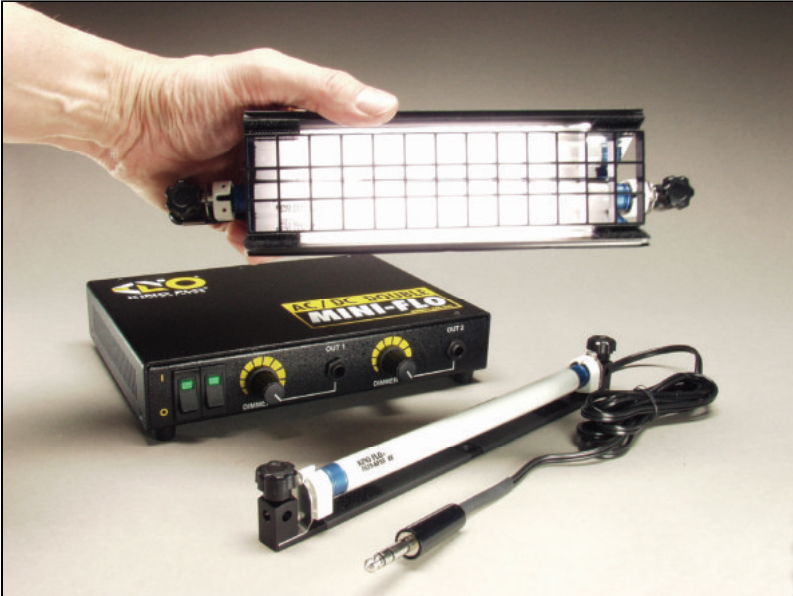


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# Operation Manual

## Mini-Flo Kits



# Assembly and Features

## Mini-Flo KIT-239X



### **KIT- 239X-12**

Mini-Flo Kit 12" Universal (1 x BAL-239X)

### **KIT- 239X-09**

Mini-Flo Kit 9" Universal (1 x BAL-239X)

### **Kits Contents:**

- 1 Mini-Flo Double Ballast, 12VDC & Built-In Universal VAC
- 1 12VDC Battery Cable w/xlr 4-Pin, 6ft
- 2 12" or 9" Fixture
- 2 Extension, 12ft
- 1 Power Cable xlr
- 2 Mount
- 1 Flex arm, 6ft
- 1 Alligator Clip Adapter xlr
- 1 Car Adapter xlr
- 1 Travel Case

### **Dimensions**

21.5 x 8 x 17"  
(54.5 x 20.5 x 43cm)

### **Weight**

13lbs  
5.9kg

## Mini-Flo KIT-139X



### **KIT- 139X-12**

Mini-Flo Kit 12" Universal (2 x BAL-139X)

### **KIT- 139X-09**

Mini-Flo Kit 9" Universal (2 x BAL-139X)

#### **Kits Contents:**

- 2 Mini-Flo Ballast, 12VDC
- 2 3.4 Amp Universal Power Supply
- 2 12" or 9" Fixture
- 2 Extension, 12ft
- 2 Mount
- 1 Flex arm, 6ft
- 1 Alligator Clip Adapter xlr
- 1 Car Adapter xlr
- 1 Travel Case

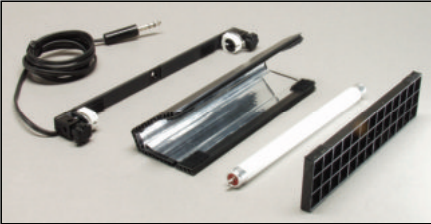
#### **Dimensions**

21.5 x 8 x 17"  
(54.5 x 20.5 x 43cm)

#### **Weight**

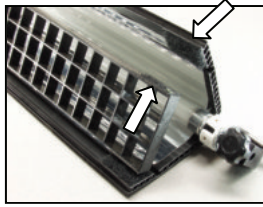
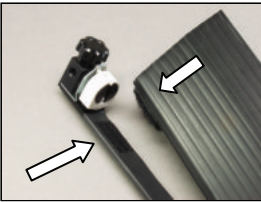
15lbs  
6.8kg

# Fixture Assembly



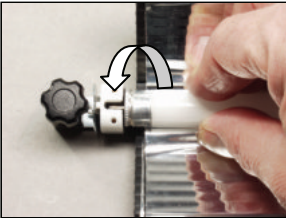
Fixture is comprised of 3 parts:

1. Lamp Harness
2. Fixture Shell
3. Black Louver



The Lamp Harness, Fixture Shell and Louver are held together with Velcro fasteners.

# Inserting Lamps



Insert the pins at both ends of the lamp into the lamp holder. Rotate the lamp a  $\frac{1}{4}$  turn until the lamp clicks in place.

# Mounting the Fixture



- 1) Cut the Flex Arm wire to desired length.
- 2) Lock Knobs on the Mount Plate and Lamp Harness hold the Flex Arm in place.
- 3) Use screws, or adhesive tape to rig the Mount Plate. Use two plates for greater stability.

# Ballast Operation

## Warning! To Ensure Proper Operation

ALWAYS TURN **OFF** THE BALLAST BEFORE connecting or disconnecting lamps, harnesses or Head Extension Cables. Maximum distance, 48ft ( 4 x 12ft cables ).

## Ballast Operation

The Mini-Flo Ballast operates remote from the fixture. Connect the Mini-Flo lamp harness to the extension cable or the Ballast. After the lamp is properly installed, the Ballast can be turned on. Avoid operating in temperatures above 125°F (51°C).

(Note: The dimmer should be full up when striking the lamp. Once the lamp has come up to full temperature, in 3-5 minutes, then dim to the desired light level.)

In cold temperatures the Ballast may take longer to ignite the lamp. If it does not ignite within 5 seconds, switch the ballast to OFF, and try again. If lamp does not strike after 2 or 3 attempts, turn Ballast off, check that the harness, lamp or any extension connections are secure and restrike.

## **BAL-139X**



The BAL-139X power connection is a 4-Pin XLR connector.

**Note:** Use external power supply (PWS-153X) to operate on 90-230VAC.



- 1) Turn up dimmer to full.
- 2) Insert the lamp harness connector into the receptacle on the ballast.
- 3) Turn on the power switch.
- 4) The dimmer knob will adjust the light level.

## BAL-239X



The BAL-239X operates two fixtures. The ballast has individual power switches and individual dimmers for each fixture.



The Bal-239X has two power options:

- A) Operates on 90 – 230VAC
- B) Operates on 12VDC

IEC power cables (USA / Euro) and 4-Pin xlr battery cable is included with the BAL-239X.



**Note:** The two power input connectors are isolated. There is no electrical hazard in having both power systems plugged in at the same time. This can be useful for example; while rigging a car the lights can operate on AC power and save battery power. As soon as the AC line is disconnected the DC power automatically takes over without an interruption in the light output.

## Kit Components



**CFX-091**  
9" Fixture

**CFX-1201**  
12" Fixture



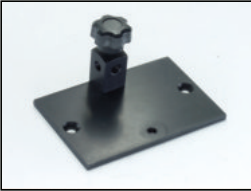
**X02-12S**  
Extension, 12ft



**BAL-239X**  
Mini-Flo Double Ballast  
12VDC w/ Universal VAC



**BAL-139X**  
Mini-Flo Ballast, 12VDC



**MTP-MM**  
Flex Arm Mount



**MTP-MW6**  
Flex Arm, 6ft Coil



**PWC-AX**  
DC Alligator Adapter XLR, 12ft



**PWC-CX**  
DC Car Adapter XLR, 6ft



**PWC-X42**  
Splitter XLR



**PWS-153X**  
Power Supply 3.4A,  
100-250VAC / 12VDC XLR



**XLR-406**  
Power Cable XLR



**KAS-MF**  
Mini-Flo Kit Travel Case

# Lamps



**092-K29**.....9" Kino KF29

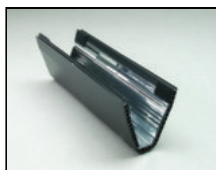
**092-K55**.....9" Kino KF55

**122-K29**.....12" Kino KF29

**122-K55**.....12" Kino KF55



# Fixture Components



**FIX-091**  
9" Fixture Shell

**FIX-1201**  
12" Fixture Shell



**HAR-091**  
9" Harness

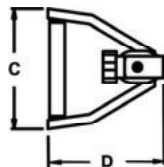
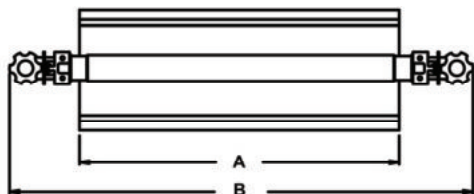
**HAR-1201**  
12" Harness



**LVR-091-B**  
9" Louver / Black

**LVR-1201-B**  
12" Louver / Black

# Fixture Specifications



Model	A	B	C	D	Weight w/ Lamp
CFX-091	7.75" 19.7cm	11" 28cm	2.5" 6.4cm	3" 7.6cm	0.4lb / 0.2kg
CFX-1201	11.75" 29.9cm	14" 35.5cm	2.5" 6.4cm	3" 7.6cm	0.5lb / 0.2kg

# Ballast Specifications



## **BAL-139X**

Mini-Flo Ballast, 12VDC

Input Voltage: 12VDC

Output Frequency: 25 KHz

Amperage: 0.8A / 9 inch  
0.9A / 12 inch

Lamp switching: on/off

Power connector: 4-Pin xlr

Lamps: 1 F6T5 or 1 F8T5

Weight: 0.8lb / 0.4kg

Dimensions: 4.5 x 3.5 x 2"  
(11.5 x 9 x 5cm)



## **BAL-239X**

Mini-Flo Double Ballast, 12VDC &  
Built-In Universal VAC

Input Voltage: 12VDC or 90-230VAC

Output Frequency: 25 KHz

Amperage: 1.7A / 9inch  
1.8A / 12 inch

Lamp switching: on/off

Power connector: 4-Pin xlr or

IEC power cable

Lamps: 2 F6T5 or 2 F8T5

Weight: 3lb / 1.4kg

Dimensions: 9 X 7.5 X 2"  
(23 x 19 x 5cm)

## **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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