Operation Manual
12V Single Kit

KINO FLO®
Lighting Systems

Assembly and Features

KIT-140X
12V Single Kit, 12VDC

Kit Contents:
2 12V Single Ballast xlr
2 15" 12V Single Fixture
2   Extension, 25ft
1   Car Adapter xlr
1   Alligator Clip Adapter xlr
1   Splitter xlr
1   Travel Case

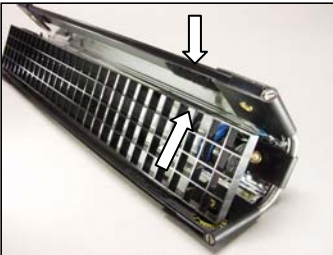| **Dimensions**	**Weight**
21 x 7.5 x 17"	14lbs
(53.5 x 19 x 43cm)	(6.3kg)

Fixture Assembly

Fixture is comprised of 3 parts:

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

The Louver is held in place with Velcro fasteners. Clips hold the lamp to the fixture.
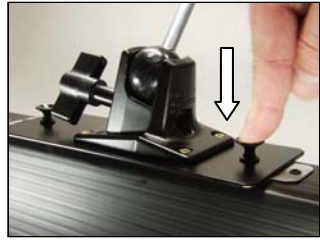
Inserting Lamp

Locking Lamp Connector:

Depress both tabs on the lamp connector and apply to lamp pins. Push lamp into the fixture's Lamp Holder Clips.

Mounting the Fixture

Most applications for the Fixture are in tight locations, where a strip of double sided Velcro or gaffer tape can hold the Fixture in place. For stand mounting, the Fixture is designed to accept a single mount plate, **MTP-K1** (sold separately).

Stand Mounting

- Pull back the two push pins on the single mount.
- Insert the mount plate into the receptacle holes on the fixture mating plate.
- Push down on the two push-pins to lock the plate in place.
- Reverse the process to release the plate.
- The knurled 3/8" pin can be clamped onto a grip head.

Ballast Operation

Warning! To Ensure Proper Operation

ALWAYS TURN **OFF** THE BALLAST BEFORE connecting or disconnecting lamps, harnesses or Head Extension Cables. Maximum distance, 50ft (2 x 25ft cables)
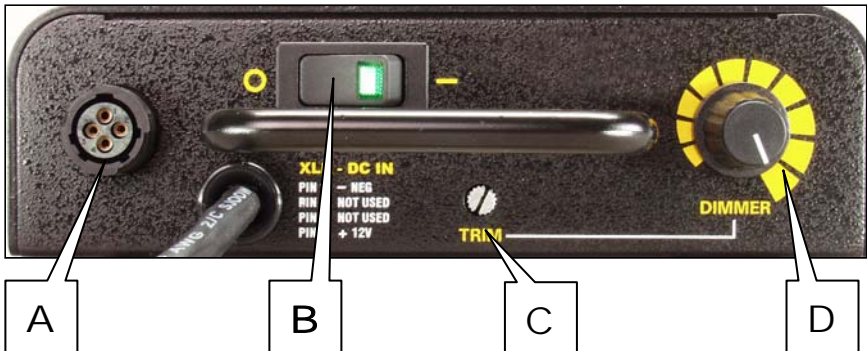
Ballast Operation

The 12V Single Ballast **(BAL-140X)** operates remote from the fixture. Connect the 15" single 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) or below 32°F (0°C).

Ballast Operation continued….

(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.

Ballast Controls

A) **Lamp Output**….. Lamp harness connects the ballast to the lamp.

B) **Power Switch**…. Lights up green when power is present.

C) **TRIM** …………… Adjusts the bottom end of the dimming curve.

D) **DIMMER** …...…… Adjusts the light level of the lamp.

Dimming Controls

Turn the **DIMMER** clockwise for maximum light output.

The 12V Single ballast operates lamp lengths of 15", 24", 36" and 48" T12 or T8. The dimming range is different for each lamp length. The **TRIM** adjustment located under the carrying handle adjusts the dimming range to accommodate the various lamp lengths. The TRIM pot can also be used to make a lamp fade to black or to stop at a predetermined low light setting.

To adjust the TRIM pot:

Use a slotted screwdriver to turn the TRIM pot. Clockwise adjusts the lamp brighter, counterclockwise darker.

1. Turn Trim and Dimmer to maximum position.
2. With Lamp type selected and Lamp correctly connected turn on power.
3. Turn DIMMER down to lowest setting.
4. Now turn the TRIM pot counter clockwise to set the lowest light level desired.

The **BAL-140X** power connection is made with 4-pin XLR connectors. Align connectors and insert.

When using alligator clips correct polarity is necessary in order to operate the ballast.

Red Clip is + (Positive)
Black clip is – (Negative)

To operate two ballasts off the alligator battery clip cable (**PWC-AX**), use the XLR splitter cable (**PWC-X42**).

12V Kit Components

CFX-15V
15" Fixture/12V

PWC-CX
DC Car
Adapter xlr, 6ft

X04-25
Single
Extension, 25ft

PWC-X42
4-pin XLR
Splitter

BAL-140X
12V Single
Ballast xlr,
12vdc

KAS-12V
12V Single
Travel Case

PWC-AX
DC Alligator
Adapter xlr, 12ft

12V Accessories

Lamp Harness
4ft   **HAR-4801**
3ft   **HAR-3601**
2ft   **HAR-2401**
15"   **HAR-1501**

X04-A16
Single to
4Bank
Combiner

MTP-K1
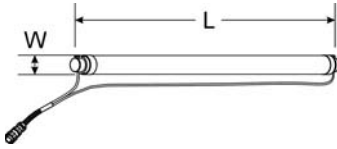Single mount
plate with spare
push-pins

X04-A9
Single to
Double
Combiner

PWS-137X
Power Supply
7A, 100-250vac/
12vdc, 4-Pin xlr
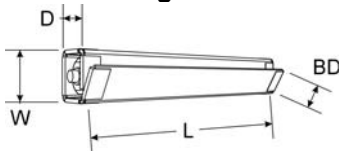
Lamp w/Harness Specifications

Kino Flo Lamp w/ Harness Dimensions

Lamp Type	Length	Width
15" Med. Bi-Pin	15.5"	1.5"
2ft Med. Bi-Pin	24.5"	1.5"
3ft Med. Bi-Pin	36.5"	1.5"
4ft Med. Bi-Pin	48.5"	1.5"

Fixture Specifications

Kino Flo Single Fixture Dimensions

Fixture Style	Length	Width	Depth	Barndoor Width	Weight w/Lamps
15" Single /12V	17.25"	3.25"	2.75"	N/A	1lb
2ft Single	26.75"	4.5"	3.5"	3.5"	2 lbs
4ft Single	51.50"	4.5"	3.5"	3.5"	4 lbs

Ballast Specifications

BAL-140X
12V Single Ballast xlr, 12VDC

Input Voltage: 12VDC
Output Frequency: 25 kHz
Amperage: F30/1.9A, F40/2.8A, F75/4.6A
Dimming: 100% - 15%
Lamp switching: on/off
Ballast size: 7 x 6.5 x 2.5"
(18 x 16.5 x 6.5cm)
Weight: 2.2lb / 1.0kg

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.

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