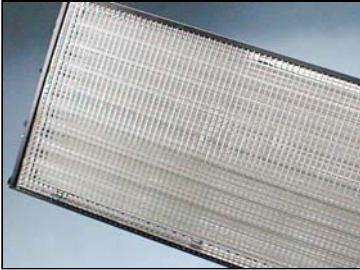

Operation Manual



Flathead 80 System



Flathead 80 System



CFX-4808
Flathead 80 Fixture



MTP-K81
Mounting plate



X16-25
4Bank Extension, 25ft (x2)

X16-12
4Bank Extension, 12ft (x2)



BAL-410-S120
Select 4Bank Ballast, 120VAC (x2)

BAL-410-F230
Select 4Bank Ballast, 230VAC (x2)

Flathead 80 Kits



KIT-F80-1/S120

Flathead 80 Select Kit, 120VAC

KIT-F80-1/F230

Flathead 80 Select Kit, 230VAC

Kit Contents:

- 1 Flathead 80 Fixture
- 1 MTP-K81 Mount w/ Junior Pin (28mm)
- 2 4Bank Select Ballast
- 2 Extension 25ft
- 1 Ship Case

Dimensions

54 x 10 x 29"
(137 x 25.5 x 73.5cm)

Weight

88 lb (39.6kg)



KIT-F80-2/S120

Flathead 80 Select Kit, 120VAC (2-Unit)

KIT-F80-2/F230

Flathead 80 Select Kit, 230VAC (2-Unit)

Kit Contents:

- 2 Flathead 80 Fixture
- 2 MTP-K81 Mount w/ Junior Pin (28mm)
- 4 4Bank Select Ballast
- 4 Extension 25ft
- 1 Ship Case

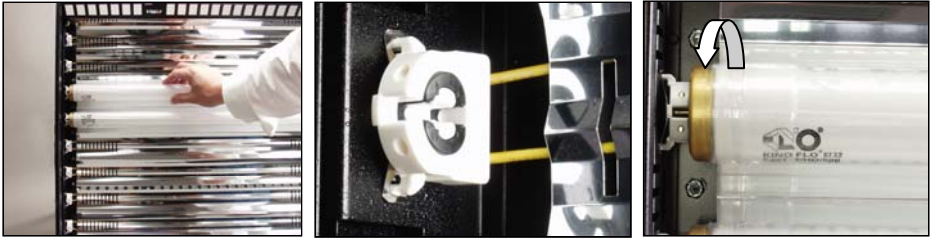
Dimensions

54 x 15 x 34.5"
(137 x 38 x 87.5cm)

Weight

160 lb (72kg)

Inserting Lamps



Insert lamps into both lamp holders. Twist $\frac{1}{4}$ turn to make electrical contact.

Inserting Gel Frame



The gel frame is secured to the fixture by 4 spring-loaded pins. Align the pins of the gel frame with the oval receptacle holes on the edge of the fixture. Pull back the pins and release into the receptacles to properly secure the gel frame.

Applying Gel to Frame



(A)

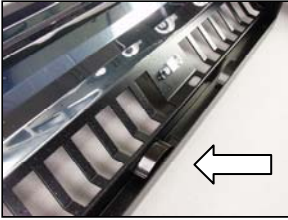


(B)

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

B) Another method is to apply transfer tape directly to the gel frame. The clips are not necessary when taping the gel.

Inserting Louver



Place the long edge of the Louver (**LVR-I80-S**) into the lower channel containing a set of leaf springs. Press down on the Louver and slip the upper edge of the louver into the upper channel of the fixture. To remove reverse the procedure.

Mounting the Fixture

The Flathead 80 is designed to operate on a Junior stand, hang from a Junior pipe hanger or mount directly to a set wall.

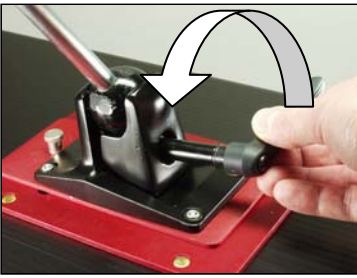
Mount Plate Operation



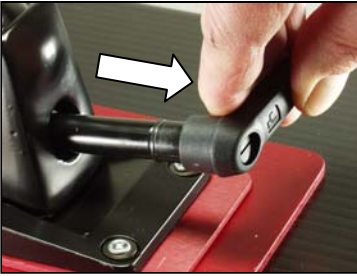
Align the center pin of the Mounting Plate (**MTP-K81**) to the center hole on the mating plate. Rotate plate clockwise until the four shoulder rivets drop into the receptacle. A locking pin will snap into place when the plate is properly seated.



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

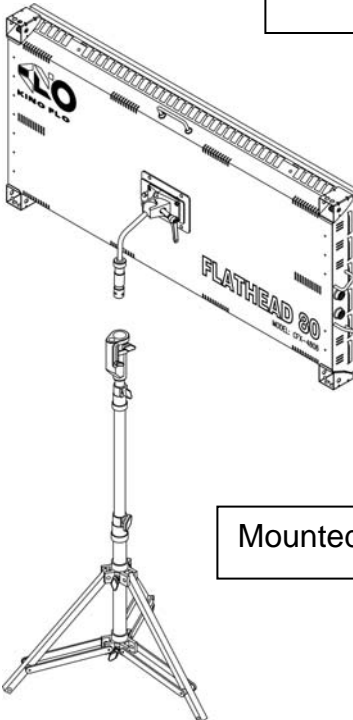


To loosen or tighten the Lollipop turn Lock Lever . The Lever can be adjusted so a 180 degree turn provides the necessary clamping strength. Reorienting the Lever allows for further tightening or loosening of the clamp.



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

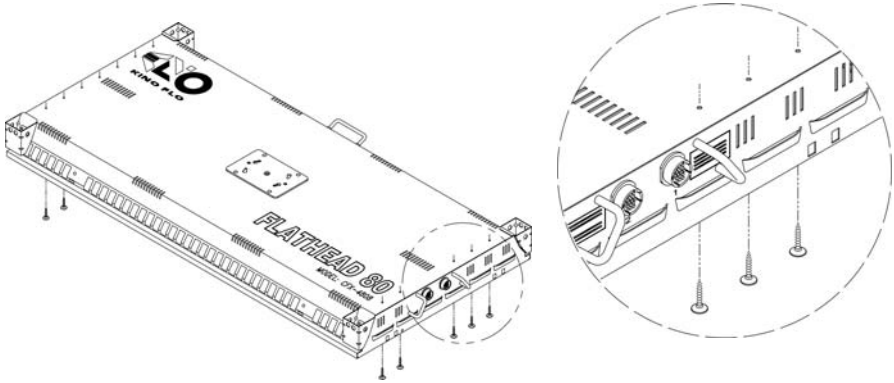
Note: You can also use a screwdriver to adjust the travel. Pull back on Lever and adjust the screw in the center of the Lever.



Mounted on a Junior Stand

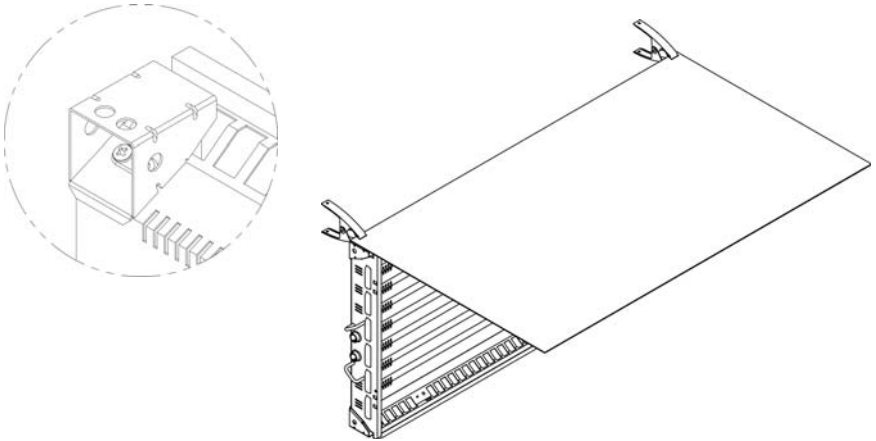
Mounting To A Set Wall

The Flathead 80 has screw points within the fixture to allow it to be fastened flat against a surface.



Cardholder (MTP-IB)

The Flathead 80 is equipped with unique cardholder corner brackets that allow foam core panels to be clipped in place.



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)

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

The 120 VAC Ballast requires 110 to 130 Volts AC 50/60 Hertz on an earth grounded circuit; the 230 VAC 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 Flathead Fixture. After the lamps are properly installed the Ballast can be turned on.

Cold Temperature Operation

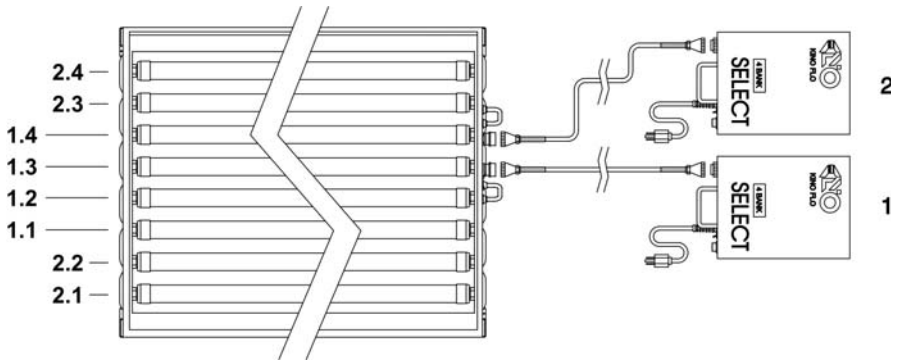
The Select Ballast series is designed to operate at temperatures from 14F to 122F (-10C to +50C). In cold temperatures, the Ballast may not strike the lamp(s) instantly. Switch the Ballast to OFF, wait seven seconds and try again. If the Ballast does not strike after two or three attempts, turn off the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



Lamp Switching

The Flathead 80 operates on two 4Bank Ballasts. The multi-pin connectors on the side of the fixture are numbered **1** and **2**.

Ballast **1** operates the four inner lamps; Ballast **2** operates the four outside lamps as illustrated below.



Switch Positions



Lamp Select Feature

The Select Ballasts have a **4FT / 2FT** switch. For High Output operation set the Selector Switch to **4FT**. When operating 4ft lamps in high ambient temperature or where the units are rigged into place with restricted airflow, the **2FT** setting can be used to lower the color temperature and remove any green spike. The light drops about a half an f-stop in exposure when dropping from **4FT** to **2FT**.

Accessories & Parts

	GFR-I80 Flathead 80 Gel Frame		MTP-IB Cardholder
	LVR-I80-B Flathead 80 Louver-Black		REF-I80 Flathead 80 Reflector
	LVR-I80-S Flathead 80 Louver-Silver		X16-12 Extension, 12ft

Cases



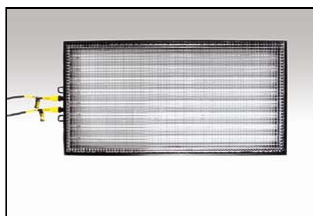
KAS-F80-1



KAS-F80-2

Part Number	Description	Dimensions	Weight (Empty)	Holds
KAS-F80-1	Flathead 80 Ship case (1)	54 x 10 x 29" (137 x 25.5 x 72.5cm)	42lb 18.9kg	Flathead 80 System (1)
KAS-F80-2	Flathead 80 Ship case (2)	54 x 15 x 34.5" (137 x 38 x 87.5cm)	89lb 40.1kg	Flathead 80 System (2)

Fixture Specifications



CFX-4808

Flathead 80 Fixture

Lamps: 8

Weight w/ lamps: 26lbs / 11.7kg

Dimensions: 51 x 24 x 4"
(129 x 61 x 10cm)

Lamp type: F75/T12

Ballast Specifications



BAL-410-S120

Select 4Bank Ballast, 120VAC (x2)

Input Voltage: 120VAC 50/60Hz

Output Frequency: 25 kHz

Amperage: $2 \times 4.6A = 9.2A$

Lamp switching: 4-1/off

Output Switching: 4ft / 2ft

Ballast size: 13 x 9.5 x 2.5"
(33 x 24 x 6.5cm)

Weight: 5lb / 2.3kg

BAL-410-F230

Select 4Bank Ballast, 230VAC (x2)

Input Voltage: 230VAC 50/60Hz

Output Frequency: 25 kHz

Amperage: $2 \times 2.3A = 4.6A$

Lamp switching: 4-1/off

Output Switching: 4ft / 2ft

Ballast size: 13.5 x 9.5 x 2.5"
(34.5 x 24 x 6.5cm)

Weight: 6.1lb / 2.7kg

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.