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# Operation Manual

# Tegra™ 4Bank

# Universal



# Tegra 4Bank Assembly and Features

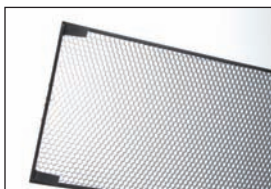


## **TEG-400-120U**

Tegra 4Bank Universal, 120U

## **TEG-400-230U**

Tegra 4Bank Universal, 230U



## **LVR-G490**

Tegra 4Bank Honeycomb, 90° (Included)



## **MTP-LB**

Kino 41 Lollipop w/ Baby Receiver (16mm)  
(Included)

# True Match® Lamps



**488-K29-S** 4ft Kino KF29 Safety-Coated

**488-K32-S** 4ft Kino KF32 Safety-Coated

**488-K55-S** 4ft Kino KF55 Safety-Coated

# Tegra 4Bank Universal Kits



**Tegra 4Bank Kit**

## **KIT-T4-120U**

Tegra 4Bank Kit, Universal 120U

## **KIT-T4-230U**

Tegra 4Bank Kit, Universal 230U

### **Kit Contents:**

- 1 Tegra 4Bank Universal
- 1 Louver, 90°
- 1 Flozier, Half
- 1 Lamp Case
- 1 Ship Case

### **Dimensions:**

54 x 8.5 x 21"

(137 x 21.5 x 53cm)

### **Weight:**

39 lb

(17.7kg)



**Tegra 4Bank Kit  
w/ Soft Case**

## **KIT-T4B-120U**

Tegra 4Bank Kit w/ Soft Case,  
Universal 120U

## **KIT-T4B-230U**

Tegra 4Bank Kit w/ Soft Case,  
Universal 230U

### **Kit Contents:**

- 1 Tegra 4Bank Universal
- 1 Louver, 90°
- 1 Flozier, Half
- 1 Lamp Case
- 1 Soft Case

### **Dimensions:**

53.5 x 7 x 18"

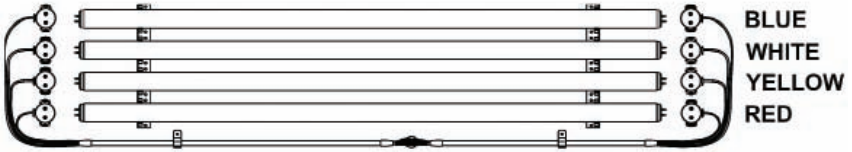
(136 x 18 x 46cm)

### **Weight:**

22.5 lb

(10.2kg)

# Lamp Harness Color Codes



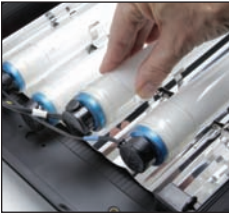
The Harness wiring is color-coded. The same color-code must match at each end of the lamp for proper operation.

## 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.

## Applying Louver



The Louver is fastened to the fixture with 4 Velcro straps.

# Mounting Procedures



Mounted on a baby stand



Mounted to pipe grid



Note: When hanging in a studio, loop a safety cord through the strain-relief ring provided on the back of the fixture.



A 180 degree turn is all that is required to loosen the mount for orientation.



To adjust the tension on the lock lever, pull handle away from mount. This disengages the handle from the screw mechanism and allows the lever to be reoriented. You can also use a screwdriver to adjust the tension. Pull back on handle and adjust screw.



Lollipops are interchangeable.

- MTP-L** Kino 41 Lollipop w/ 3/8" Pin (10mm)
- MTP-LB** Kino 41 Lollipop w/ Baby Receiver (16mm)
- MTP-LBS** Kino 41 Lollipop w/ Baby Receiver Short (16mm)

# Baby Offset Arm



The Baby Offset Arm (**MTP-B41F**) can be used to center the weight and balance of the fixture on a stand or can also be under slung from a baby stand to use as an "up" light.

# Mounting Flozier



Remove Louver.



Stretch two elastic cords around fixture.

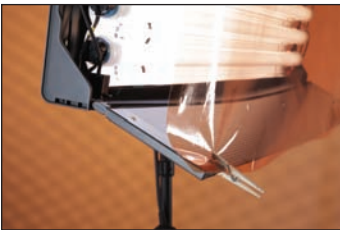


Take up slack on both elastic cords.



Expand the Barndoors to smooth out the face of the Flozier and eliminate wrinkles.

# 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.

**Do Not clip gels to louver.**

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

# Ballast Power



## **Warning! To Ensure Proper Operation**

ALWAYS TURN OFF THE FIXTURE BEFORE connecting or disconnecting lamps. After the lamps are properly installed, the in-line switch can turn on the ballast.

The Tegra 4Bank requires 100-240VAC 50/60 Hertz on an earth grounded circuit. The electronic Ballast operates at a high frequency of 40kHz. It is lightweight, flicker-free and dead-quiet.

## **Cold Temperature Operation**

The Tegra 4Bank is designed to operate at temperatures from 14F to 122F (-10C to +50C). In cold temperatures, the ballast may not strike the lamp(s). Switch the ballast to OFF. Make sure onboard dimmer is full up and re-strike.

## **Troubleshooting**

If the Ballast does not strike after two or three attempts, turn off the Ballast. With the power switch in the ON position, the red light should be on. If it is not, Voltage is not present. Check your power feed.

The onboard dimmer should be full up, turned completely clockwise. All four lamp switches should be in the ON position. Check lamp contact. Harness color-codes must match at each end of the lamp. Once everything has been checked, re-strike.

# Lamp Select Switch



The Tegra 4Bank Universal has four Lamp Select Switches. Each switch controls one lamp.

Turning off 2 lamps equals a one f-stop reduction in light output without color shift.

# Dimming Control



## Manual Dimming Control

The Tegra 4Bank features a built-in dimmer control. For full light output, turn dimmer fully clockwise. An input jack for an optional Remote Dimmer (**DIM-5**) is located next to the lamp select switches.

Note: The ballast is designed to start lamps at any dim setting. However, in cold temperatures, if the ballast does not start, turn off the ballast. Make sure the dimmer is set to full and restrike. Once the lamps have come up to full temperature after a few minutes, then dim to the desired light level.

## Dimming and Color Temperature Shift

Dimming can be used to adjust the light output of the fixture. The color temperature will shift marginally if kept to within one f-stop. Dimming beyond one f-stop may result in a reduction of color temperature as well as a noticeable shift to magenta.

# Remote Dimmer Operation

The Remote Dimmer (**DIM-5**) is designed to remotely dim the Tegra 4Bank. A 15ft dimming cable is supplied with the dimmer.

Note: No batteries are required to operate the Dimmer. The power for the dimmer is drawn from the fixture.



Insert the dimmer cable into the receptacle marked: **REMOTE DIM**.

Inserting the dimmer cable will automatically disable the onboard dimmer.



Insert the other end of the dimmer cable into the Remote Dimmer (**DIM-5**).



# Accessories and Parts



**DIM-5** Remote Dimmer w/ 15ft Cable



**DFS-4804** Tegra 4Bank Flozier, Full  
**DFS-4804-H** Tegra 4Bank Flozier, Half



**LVR-G490** Tegra 4Bank Honeycomb, 90°  
**LVR-G460** Tegra 4Bank Honeycomb, 60°



**MTP-B41F** Kino Offset w/ Baby Receiver (16mm)



**MTP-L** Kino 41 Lollipop w/ 3/8" Pin (10mm)  
**MTP-LB** Kino 41 Lollipop w/ Baby Receiver (16mm)  
**MTP-LBS** Kino 41 Lollipop w/ Baby Receiver Short (16mm)



**STD-M36** Medium Duty Stand/Black, 36"

# True Match® Lamps



- 488-K29-S** 4ft Kino KF29 Safety-Coated
- 488-K32-S** 4ft Kino KF32 Safety-Coated
- 488-K55-S** 4ft Kino KF55 Safety-Coated

## Cases



**KAS-T4-C**



**BAG-401**



**KAS-C46**

Part No.	Description	Dimensions	Weight (Empty)	Holds
<b>BAG-401</b>	Tegra 4Bank Soft Case	53.5 x 7 x 18" (136 x 18 x 46cm)	5 lb (2.3kg)	Tegra 4Bank System, Lamp Case
<b>KAS-C46</b>	6-Lamp Carry Case, 4ft	50.5 x 6 x 4" (128.5 x 15 x 10cm)	1.5 lb (0.7kg)	4ft Lamps (6)
<b>KAS-T4-C</b>	Tegra 4Bank Travel Case	54 x 8.5 x 21" (137 x 21.5 x 53cm)	22.5 lb (10.2kg)	Tegra 4Bank Kit Items

# Ballast Specifications



**Tegra 4Bank  
Universal**

## **TEG-400-120U** Tegra 4Bank Universal, 120U

**Input Voltage:** 100-240VAC 50/60Hz  
**Output Frequency:** 40kHz  
**Amperage:** 2.8 amps at 120VAC  
**Lamp Switching:** 4~1  
**Weight w/ lamps:** 18.5 lb (8.4kg)  
**Dimensions:** 52 x 13.5 x 6" (w/ 6.5" barndoors)  
(132 x 34 x 15cm)  
(w/ 16.5cm barndoors)  
**Lamp Type:** F75/T12

## **TEG-400-230U** Tegra 4Bank Universal, 230U

**Input Voltage:** 240-100VAC 50/60Hz  
**Output Frequency:** 40kHz  
**Amperage:** 1.4 amps at 230VAC  
**Lamp Switching:** 4~1  
**Weight w/ lamps:** 18.5 lb (8.4kg)  
**Dimensions:** 52 x 13.5 x 6" (w/ 6.5" barndoors)  
(132 x 34 x 15cm)  
(w/ 16.5cm barndoors)  
**Lamp Type:** F75/T12

For latest Warranty information and Certifications,  
see Kino Flo website at [www.kinoflo.com](http://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 local and state regulations.

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