

---

# Operation Manual

## BarFly<sup>®</sup> 400D



## BarFly® 400D System



**BAR-400D-120U** BarFly 400D, Univ 120U

**BAR-400D-230U** BarFly 400D, Univ 230U



**GFR-B4** BarFly 400 Gel Frame (Included)



**LVR-B490** BarFly 400 Louver, 90° (Included)



**MTP-BL41** Kino 41L Mount w/  
Baby Receiver (16mm)

## True Match® Lamps



**55Q-K32** 55W Kino KF32 Quad

**55Q-K55** 55W Kino KF55 Quad

# BarFly 400D Kit



**BarFly 400D Kit  
(1-Unit)**

**KIT-B41D-120U**

BarFly 400D Kit, Univ 120U (1-Unit)

**KIT-B41D-230U**

BarFly 400D Kit, Univ 230U (1-Unit)

**Kit Contents:**

- 1 BarFly 400D
- 1 Mount
- 1 Medium Duty Stand, 30"
- 1 Lamp Case
- 1 Travel Case

**Dimensions:**

31.5 x 9 x 22"  
(80 x 23 x 56cm)

**Weight:**

32 lb  
(14.5kg)

## Inserting Lamps



Insert lamps at a 45° angle and align pins with lamp holder.



Gently lay lamp down into fixture.

**Caution!** If there is any resistance, realign the angle of the lamp and try again.



Press lamp securely into lamp clip.

## Applying Gel to Gel Frame



Apply adhesive transfer tape to the gel frame.



Lay the adhesive side on the gel and trim off excess gel with a matte knife.

# Inserting Louvers & Gel Frames



Rotate accessory locking tab counter clockwise to open accessory holder.



Gel frame fits into lower accessory channel.



The louver slides into the upper accessory channel.



Rotate locking tab clockwise to lock accessories in place (both ends of fixture).

# Mounting



Align center pin of mounting plate (**MTP-BL41**) with mating receptacle on fixture.

Align locking pin with the yellow arrow.



Rotate mount plate in direction of the small arrow. The locking pin will snap into place.

The safety wire loop provides an attachment point for a safety chain if fixture is hung from a grid.



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



A 180° turn loosens the orientation of the mount. A right turn tightens the mount.



The tension on the lock lever may be adjusted by pulling the handle away from the mount. This disengages the handle from the screw mechanism and allows the lever to be reoriented.



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)

## Correct Lamp Orientation



For stable color rendering, use lamps in either the base up position or the horizontal position.



**Do not** operate fixture in a base down position. Base down position may result in increased Kelvin and increased green spike.

# 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 be turned on.

The BarFly fixtures require 100-240VAC 50/60 Hertz on an earth grounded circuit. The electronic Ballast operates at a high frequency of 47kHz. The BarFly is lightweight, flicker-free and dead-quiet.

## **Cold Temperature Operation**

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

Once operating for a few minutes, the Lamps should re-strike instantly. It is normal for the lamp to require a few minutes to achieve full light output even at room temperature.

## **Troubleshooting**

If the fixture does not strike after two or three attempts, turn off the fixture. 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 lamp switches should be in the ON position. Check lamp contact. Once everything has been checked, re-strike.

# Lamp Switches



The BarFly 400D has four Lamp Switches which allow for individual lamp operation. 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 BarFly 400D 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 manual dimming knob.

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 BarFly. A 15ft dimming cable is supplied with the dimmer.



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



**GFR-B4** BarFly 400 Gel Frame (Included)



**LVR-B460** BarFly 400 Louver-Honeycomb, 60°  
**LVR-B445** BarFly 400 Louver-Honeycomb, 45°



**MTP-BL41** Kino 41L Mount w/  
Baby Receiver (16mm)



**MTP-KL41** Kino 41L Mount w/ 3/8" Pin  
(10mm)



**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-M30** Medium-Duty Stand, 3-Rise, 30"

# True Match® Lamps



**55Q-K32** 55W Kino KF32 Quad

**55Q-K55** 55W Kino KF55 Quad



**55Q-K10** 55W Kino 420 Blue Quad

**55Q-K5X** 55W Kino 550 Green Quad

## Cases



**KAS-B4-C**



**KAS-QL6**

Part Number	Description	Dimensions	Weight (Empty)	Holds
<b>KAS-B4-C</b>	BarFly 400D Travel Case (1-Unit)	31.5 x 9 x 22" (80 x 23 x 56cm)	15 lb (7kg)	BarFly 400D Kit Items
<b>KAS-QL6</b>	6-Lamp Carry Case (Quad)	16 x 7.5 x 4.5" (40.6 x 19.1 x 11.4cm)	1 lb (0.5kg)	Quad Lamps (6)

# Fixture Specifications



**BarFly 400D**

**BAR-400D-120U** BarFly 400D, Univ 120U

**Input Voltage:** 100-240VAC 50/60Hz  
**Output Frequency:** 47kHz  
**Amperage:** 2.4 amps at 120VAC  
**Lamp Switching:** 1~4  
**Dimming Range:** 100%~5%  
**Weight w/ lamps:** 12 lb (5.5kg)  
**Dimensions:** 17 x 16 x 4.5"  
(43 x 41 x 11.5cm)  
**Lamp Type:** F55/QFL

**BAR-400D-230U** BarFly 400D, Univ 230U

**Input Voltage:** 240-100VAC 50/60Hz  
**Output Frequency:** 47kHz  
**Amperage:** 1.2 amps at 230VAC  
**Lamp Switching:** 1~4  
**Dimming Range:** 100%~5%  
**Weight w/ lamps:** 12 lb (5.5kg)  
**Dimensions:** 17 x 16 x 4.5"  
(43 x 41 x 11.5cm)  
**Lamp Type:** F55/QFL

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 governmental regulations.

Kino Flo, Inc. 2840 N. Hollywood Way, Burbank, CA 91505, USA  
Tel: 818 767-6528 website: [www.kinoflo.com](http://www.kinoflo.com)