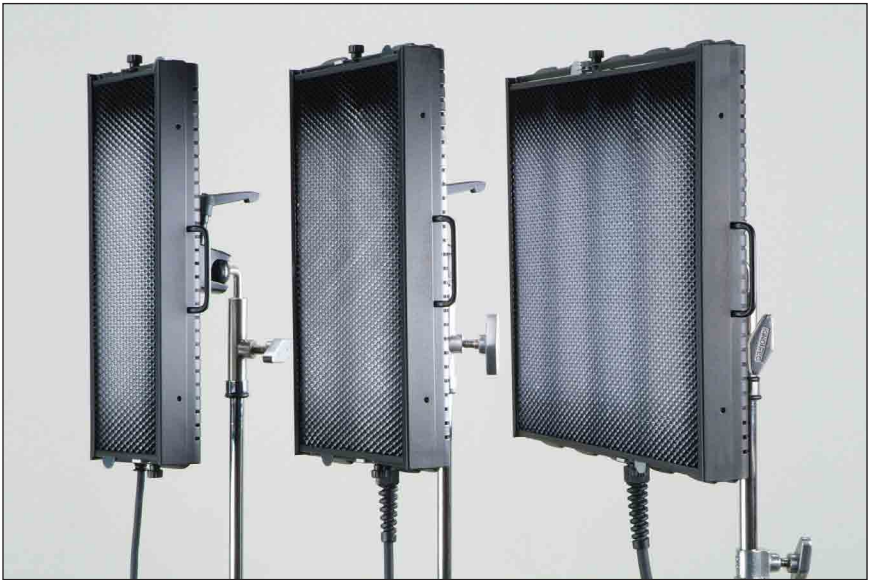# Operation Manual
BarFly®
100/200/400

KINO FLO®
Lighting Systems

BarFly Systems

BarFly 400	BarFly 200	BarFly 100

Each BarFly System Consists of:
1 Fixture
1 Mounting Plate
1 Ballast

True Match® Lamps

55Q-K29
55W Kino KF29 Quad

55Q-K32
55W Kino KF32 Quad

55Q-K55
55W Kino KF55 Quad

BarFly 400 Kits

BarFly 400 Kit

KIT-B41-G120
BarFly 400 Kit, 120VAC (1-Unit)

KIT-B41-G230
BarFly 400 Kit, 230VAC (1-Unit)

Contents:
1 BarFly 400 Fixture
1 BarFly 400 Ballast
1 Mount
1 BarFly Louver 90°
1 BarFly Louver 60°
1 BarFly Louver / Gel Bag
1 Lamp Case
1 Ship Case

Dimensions:	**Weight:**
31 x 10 x 19.5"	39.5 lb
(79 x 25 x 49.5cm)	(18.0kg)

BarFly 200 Kits

**BarFly 200 Kit
(2-Unit)**

KIT-B22-G120
BarFly 200 Kit, 120VAC (2-Unit)

KIT-B22-G230
BarFly 200 Kit, 230VAC (2-Unit)

Contents:
2 BarFly 200 Fixture
2 BarFly 200 Ballast
2 Mount
2 BarFly Louver 90°
2 BarFly Louver 60°
2 BarFly Louver / Gel Bag
1 Lamp Case
1 Ship Case

Dimensions: **Weight:**
31 x 10.5 x 19.5"   43 lb
(77.5 x 26.5 x 49cm)   (19.4kg)

BarFly 200 Kit

KIT-B200-G120
BarFly 200 Kit, 120VAC (1-Unit)

KIT-B200-G230
BarFly 200 Kit, 230VAC (1-Unit)

Contents:
1 BarFly 200 Fixture
1 BarFly 200 Ballast
1 Mount
1 BarFly Louver 90°
1 BarFly Louver 60°
1 BarFly Louver / Gel Bag
1 Soft Case

Dimensions: **Weight:**
20.5 x 9.5 x 13.5"   16.6 lb
(52 x 24.1 x 34.3cm)   (7.5kg)

BarFly 100 Kits

**BarFly 100 Kit
(2-Unit)**

KIT-B12-G120
BarFly 100 Kit, 120VAC (2-Unit)

KIT-B12-G230
BarFly 100 Kit, 230VAC (2-Unit)

Contents:
2 BarFly 100 Fixture
2 BarFly 100 Ballast
2 Mount
2 BarFly Louver 90°
2 BarFly Louver 60°
2 BarFly Louver / Gel Bag
1 Lamp Case
1 Ship Case

Dimensions:	**Weight:**
27.5 x 10.5 x 19.5"	35 lb
(69 x 26.5 x 49cm)	(15.8kg)

BarFly 100 Kit

KIT-B100-G120
BarFly 100 Kit, 120VAC (1-Unit)

KIT-B100-G230
BarFly 100 Kit, 230VAC (1-Unit)

Contents:
1 BarFly 100 Fixture
1 BarFly 100 Ballast
1 Mount
1 BarFly Louver 90°
1 BarFly Louver 60°
1 BarFly Louver / Gel Bag
1 Soft Case

Dimensions:	**Weight:**
20.5 x 9.5 x 13.5"	12.8 lb
(52 x 24.1 x 34.3cm)	(5.8kg)

Inserting Lamps

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

Gently lay lamp down into fixture.
If you feel resistance, the lamp is not properly aligned. Start 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 tab clockwise to lock accessories in place.(Both ends of fixture)

BarFly Mounting Plate

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
MTP-LB   Kino 41 Lollipop w/ Baby Receiver
MTP-LBS Kino 41 Lollipop w/ Baby Rcvr Short

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Mounting BarFly 400 & 200

Align center pin 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.

Mounting BarFly 100

Align center pin with mating receptacle on fixture.

Rotate in a clockwise direction to secure mounting plate. Locking pin will snap into place.

The safety wire loop provides an attachment point for a safety chain.

Unlock the mounting plate by pulling up on the locking pin and rotate mount in a counter clockwise direction.

BarFly 200/100 w/ Edge Mount

The **BarFly 200/100 Edge Mount (MTP-BFE)** is attached to the edge of the fixture with two thumbscrews.

Note: Due to weight capacity, an edge mount for the BarFly 400 is currently not available.

The Edge Mount can be inserted onto a grip arm or a standard baby pin.

This type of rigging enhances the fixture's narrow profile making it easy to hide in the shot.

BarFly Snoot

Fit the end of the Snoot containing the elastic bands over the fixture.

The tabs of the gel frame will position the Snoot to the front of the fixture.

To secure the Snoot to the fixture, loop the elastic bands over the accessory lock knobs.

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 Operation

The BarFly Ballast features individual lamp switching and an **HO/STD** switch. The **HO/STD** is used to adjust light level without affecting color temperature. In **STD** mode the light drops ½ f-stop.

When operating the BarFly in high ambient temperature or where the units are rigged into place with restricted airflow, the **STD** setting can be used to lower the color temperature

The BarFly fixture includes a built-in 12ft head extension. To insert the extension into the ballast, align the keyways on the fixture plug with the circular receptacle on the ballast. Rotate the locking ring until it clicks into the lock position.

Additional 25ft head cable can also purchased separately **(part #s X19-G425, X09-G225 or X09-G125)**.

Fixtures should be operated with the additional 25ft extension cable for countries outside the U.S.A and Canada.

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.

The 120VAC Ballast requires 110 to 130 Volts AC 50/60 Hertz on an earth grounded circuit; the 230VAC 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.

Load Considerations
Kino Flo ballasts are not power factor corrected. They will draw double the current on the neutral from what is being drawn on the two hot legs. On large installations it may be necessary to double your neutral run so as not to exceed your cable capacity.

Cold Temperature Operation
The BarFly 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 Harness connections are secure 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.

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System Components

BAR-400G   BarFly 400 Fixture
BAR-200G   BarFly 200 Fixture
BAR-100G   BarFly 100 Fixture

MTP-BL41S
Kino 41L Mount w/ Baby Receiver Short

BAL-407-G120   BarFly 400 Ballast, 120VAC
BAL-407-G230   BarFly 400 Ballast, 230VAC
BAL-207-G120   BarFly 200 Ballast, 120VAC
BAL-207-G230   BarFly 200 Ballast, 230VAC
BAL-107-G120   BarFly 100 Ballast, 120VAC
BAL-107-G230   BarFly 100 Ballast, 230VAC

True Match® Lamps

55Q-K29
55W Kino KF29 Quad

55Q-K32
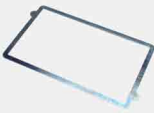55W Kino KF32 Quad

55Q-K55
55W Kino KF55 Quad
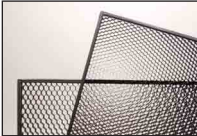
Accessories and Parts

	BAG-B4 BarFly 400 Louver / Gel Bag **BAG-B2** BarFly 200 Louver / Gel Bag **BAG-B1** BarFly 100 Louver / Gel Bag
	BRD-BF4 BarFly 400 Snoot **BRD-BF2** BarFly 200 Snoot **BRD-BF1** BarFly 100 Snoot
	GFR-B4 BarFly 400 Gel Frame **GFR-B2** BarFly 200 Gel Frame **GFR-B1** BarFly 100 Gel Frame
	LVR-B490 BarFly 400 Louver 90° **LVR-B460** BarFly 400 Louver 60° **LVR-B445** BarFly 400 Louver 45° **LVR-B290** BarFly 200 Louver 90° **LVR-B260** BarFly 200 Louver 60° **LVR-B245** BarFly 200 Louver 45° **LVR-B190** BarFly 100 Louver 90° **LVR-B160** BarFly 100 Louver 60° **LVR-B145** BarFly 100 Louver 45°
	MTP-BFE BarFly 200/100 Edge Mount
	MTP-BL41 Kino 41L Mount w/ Baby Receiver **MTP-BL41S** Kino 41L Mount w/ Baby Receiver Short
	MTP-L Kino 41 Lollipop w/ 3/8" Pin **MTP-LB** Kino 41 Lollipop w/ Baby Receiver **MTP-LBS** Kino 41 Lollipop w/ Baby Receiver Short
	X19-G425 BarFly 400 Extension, 25ft **X09-G225** BarFly 200 Extension, 25ft **X09-G125** BarFly 100 Extension, 25ft

Cases

KAS-B41	BAG-B21	KAS-QL6

Part Number	Description	Dimensions	Weight (Empty)	Holds
BAG-B21	BarFly 200/100 Soft Case (1-Unit)	20.5 x 9.5 x 13.5" (52 x 24.1 x 34.3cm)	6 lb (2.7kg)	BarFly 200 or 100 System
KAS-B12	BarFly 100 Ship Case (2-Unit)	27.5 x 19.5 x 10.5" (69 x 49 x 26.5cm)	19.4 lb (8.7kg)	BarFly 100 Kit Items (2)
KAS-B22	BarFly 200 Ship Case (2-Unit)	31 x 19.5 x 10.5" (77.5 x 49 x 26.5cm)	20.5 lb (9.2kg)	BarFly 200 Kit Items (2)
KAS-B41	BarFly 400 Ship Case (1-Unit)	31 x 10 x 19.5" (79 x 25 x 49.5cm)	19.5 lb (8.8kg)	BarFly 400 Kit Items
KAS-QL6	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 400

BAR-400G
BarFly 400 Fixture

Lamps: 4
Weight w/ lamps: 7.3 lb (3.3kg)
Dimensions: 16 x 19 x 2.5"
(40.6 x 47.6 x 6.5cm)
Lamp Type: F55/QFL

BarFly 200

BAR-200G
BarFly 200 Fixture

Lamps: 2
Weight w/ lamps: 4.9 lb (2.2kg)
Dimensions: 16 x 10 x 2.5"
(40 x 24.5 x 6.5cm)
Lamp Type: F55/QFL

BarFly 100

BAR-100G
BarFly 100 Fixture

Lamps: 1
Weight w/ lamps: 3.2 lb (1.4kg)
Dimensions: 16 x 6 x 2.5"
(40 x 15.2 x 6.5cm)
Lamp Type: F55/QFL

Ballast Specifications

BarFly 400

BAL-407-G120
BarFly 400 Ballast, 120VAC

Input Voltage: 120VAC
Output Frequency: 27kHz
Amperage: 4.0A at 120VAC
Lamp Switching: 1-4
Output Switching: HO/STD
Ballast Size: 13.5 x 9 x 2.5"
(34.3 x 23 x 6.5cm)
Weight: 6.0lb (2.7kg)

BAL-407-G230
BarFly 400 Ballast, 230VAC

Input Voltage: 230VAC
Output Frequency: 27kHz
Amperage: 2.5A at 230VAC
Lamp Switching: 1-4
Output Switching: HO/STD
Ballast Size: 13.5 x 9 x 2.5"
(34.3 x 23 x 6.5cm)
Weight: 6.0lb (2.7kg)

BarFly 200

BAL-207-G120
BarFly 200 Ballast, 120VAC

Input Voltage: 120VAC
Output Frequency: 27kHz
Amperage: 2.1A at 120VAC
Lamp Switching: 1-2
Output Switching: HO/STD
Ballast Size: 9.5 x 9 x 2.5"
(24 x 23 x 6.5cm)
Weight: 3.5 lb (1.6kg)

BAL-207-G230
BarFly 200 Ballast, 230VAC

Input Voltage: 230VAC
Output Frequency: 27kHz
Amperage: 1.1A at 230VAC
Lamp Switching: 1-2
Output Switching: HO/STD
Ballast Size: 9.5 x 9.5 x 2.5"
(24 x 24 x 6.5cm)
Weight: 4.0 lb (1.8kg)

Ballast Specifications

BarFly 100

BAL-107-G120
BarFly 100 Ballast, 120VAC

Input Voltage: 120VAC
Output Frequency: 27kHz
Amperage: 1.1A at 120VAC
Lamp Switching: 1-Off
Output Switching: HO/STD
Ballast Size: 11 x 2.5 x 2.5"
(28 x 6.5 x 6.5cm)
Weight: 2 lb (0.9kg)

BAL-107-G230
BarFly 100 Ballast, 230VAC

Input Voltage: 230VAC
Output Frequency: 27kHz
Amperage: 0.8A at 230VAC
Lamp Switching: 1-Off
Output Switching: HO/STD
Ballast Size: 10.5 x 4 x 2.5"
(26.5 x 10 x 6.5cm)
Weight: 2.8 lb (1.3kg)

For latest Warranty information and Certifications,
see Kino Flo website at 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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