Foto-Flo 400 Kits

KIT-F4-120
Foto-Flo 400 Kit, 120vac

KIT-F4-230
Foto-Flo 400 Kit, 230vac

Kit Contents:
1 Foto-Flo 400 Ballast
1 Foto-Flo 400 Fixture
1 Extension, 25ft
1 6-Lamp Carry Case
1 Travel Case

Dimensions                              Weight
54 x 21.5 x 9”                        43lb
(137 x 54.5 x 23cm)                  (19.4kg)
Each System consists of:

1 Foto-Flo 400 Fixture
1 Mounting Plate
1 25ft Extension Cable
1 Foto-Flo 400 Ballast

CFX-F4
Foto-Flo 400 Fixture

MTP-B41
Mount w/ Baby Receiver (16mm)

X16-25
Extension, 25ft

X16-12
Extension, 12ft

BAL-422-120
Foto-Flo 400 Ballast, 120vac

BAL-422-230
Foto-Flo 400 Ballast, 230vac
The Foto-Flo 400 fixture is comprised of a removable Louver, Reflector, and Lamp Harness. The Louver and Reflector are held in place with Velcro fasteners. The Lamp Harness is secured by means of a ¼ turn fastener and two clips.

To Release the Lamp Harness

Remove the harness from 2 clips located under the reflector. Rotate the ¼ turn fastener clockwise to release harness.

The lamps can operate independent of the fixture allowing them to be built into sets or custom soft boxes or hand held as a single tube for an eye-light.

**WARNING:** Always use safety coated lamps to avoid injury if lamp breaks.
Lamp Harness Color Codes

- BLACK/RED
- WHITE/YELLOW
- WHITE/BLACK
- BLACK/BLUE

Foto-Flo 400 Harness

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.
Restricting the airflow around the lamps can cause the lamp 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.

### Mounting the Fixture

Align the center pin of the mounting plate 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.
Optional Lollipops allow mounting to grip heads or baby stands.

To remove the plate, pull up on the locking pin and rotate the plate counter clockwise.

The standard mount comes with a Baby Receptacle Lollipop that mounts onto a baby stand. The ball and socket mount allows the fixture to be oriented in a broad range of angles.

The Silver ring loops provide attachment points for a safety chain.

The grommet holes along the edge of the fixture are designed to allow the fixture to be screwed onto set walls.

Note: The ballast must be removed to enable this function.
Mounting the Ballast

1. Connect the harness to the Ballast. Align the key ways on the harness connector with the circular receptacle on the ballast. Rotate the locking ring until it clicks into the lock position.

2. Insert the 4 rubber feet of the ballast into the 4 holes in the fixture.

3. Secure the Ballast to the fixture with the Velcro fastening strap.

Extension Cable

The Foto-Flo fixture can be used with the ballast directly attached or remotely, using a 25ft extension cable. Remote operation of the ballast provides more diverse rigging options.

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)
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 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 25KHz. It is dead–quiet, instant–on and lightweight.

The Ballast operates remote from the fixture. Connect the Extension cable to the Ballast and the Lamp Harness. After the lamps are properly installed the Ballast can be turned on.

Cold Temperature Operation
The Foto-Flo 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.

Foto-Flo Kit Components

| CFX-F4 | Foto-Flo 400 Fixture |
MTP-B41  “Twist-On” Mount w/ Baby Receiver

X16-25  4Bank Ext. Cable, 25ft
X16-12  4Bank Ext. Cable, 12ft

BAL-422-120  Foto-Flo 400, 120VAC
BAL-422-230  Foto-Flo 400, 230VAC

KAS-C46  6-Lamp Carry Case, (4ft)

KAS-F4-C  Foto-Flo 400 Travel Case

Accessories and Parts

MTP-K41  “Twist-On” Mount w/ 3/8” Pin
MTP-B41S  “Twist-On” Mount w/ Baby Receiver Short
MTP-B41T  “Twist-On” Mount w/ Baby Receiver Straight
| **MTP-L** | Lollipop 3/8" Pin |
| **MTP-LB** | Lollipop w/ Baby Receiver |
| **MTP-LBS** | Lollipop w/ Baby Receiver Short |
| **MTP-LBT** | Lollipop w/ Baby Receiver Straight |

| **X16-A4** | 4Bank to Single Splitter |
| **X16-A9** | 4Bank to Double Splitter |

| **DFS-4804** | Foto-Flo 400 Flozier, Full |
| **DFS-4804-H** | Foto-Flo 400 Flozier, Half |

| **FIX-F4** | Foto-Flo 400 Fixture Shell |

| **HAR-F4** | Foto-Flo 400 Harness |

| **LVR-4804-B** | Foto-Flo 400 Louver, Black |

| **REF-4804** | Foto-Flo 400 Reflector |
### Expendables

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Dimensions</th>
<th>Weight (Empty)</th>
<th>Holds</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXP-LHC-T12</td>
<td>Lamp Holder Clips T12, 24pk</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EXP-M&amp;T</td>
<td>Adhesive Mounts and Releasable Ties, 25pk</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PRT-HLC</td>
<td>Kino Locking Lamp Connector, 1 pk</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

See web site: [www.kinoflo.com](http://www.kinoflo.com) for more repair parts

### Cases

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Dimensions</th>
<th>Weight (Empty)</th>
<th>Holds</th>
</tr>
</thead>
<tbody>
<tr>
<td>KAS-C46</td>
<td>6-Lamp Carry Case, (4ft)</td>
<td>50.5 x 6 x 4&quot; (128.5 x 15 x 10cm)</td>
<td>1.5lb / .7kg</td>
<td>4ft Lamps (6)</td>
</tr>
<tr>
<td>KAS-F4-C</td>
<td>Foto-Flo 400, Travel Case</td>
<td>54 x 21.5 x 9&quot; (137 x 54.5 x 23cm)</td>
<td>22lb / 9.9kg</td>
<td>Foto-Flo 400, Kit Items</td>
</tr>
<tr>
<td>BAG-401</td>
<td>4ft 4Bank Soft Case</td>
<td>53.5 x 7 x 14&quot; (136 x 18 x 35.5cm)</td>
<td>4.6lb / 2.1kg</td>
<td>Foto-Flo 400, System (1)</td>
</tr>
</tbody>
</table>
**Kino Flo Foto-Flo 400 Fixture Dimensions**

<table>
<thead>
<tr>
<th>Fixture Style</th>
<th>Length</th>
<th>Width</th>
<th>Depth</th>
<th>Barndoor Width</th>
<th>Weight w/Lamps</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foto-Flo 400</td>
<td>52”</td>
<td>13”</td>
<td>3.5”</td>
<td>6.5”</td>
<td>11.5 lbs</td>
</tr>
</tbody>
</table>

**Ballast Specifications**

**BAL-422-120**  
Foto-Flo 400 Ballast, 120VAC

- Input Voltage: 120VAC 50/60Hz
- Output Frequency: 25 kHz
- Amperage: F75/4.8A
- Lamp switching: 4 / 2 / off
- Ballast size: 9.5 x 9 x 2.5” (24 x 23 x 6.5cm)
- Weight: 4.3lb / 1.9kg

**BAL-422-230**  
Foto-Flo 400 Ballast, 230VAC

- Input Voltage: 230VAC 50/60Hz
- Output Frequency: 25kHz
- Amperage: F75/2.4A
- Lamp switching: 4 / 2 / off
- Ballast size: 9.5 x 9 x 2.5” (24 x 23 x 6.5cm)
- Weight: 5.5lb / 2.5kg
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.