1. Items Included

F110, F120 and F140

- F110 F120 F140 F-Series Illuminator, including LED Array Module
- Microscope Mounting Adapter (See Microscope Mounting Adapters List)
- F-Series Manual Controller
- RJ12 Cable
- USB to Mini-USB Cable
- AC Power Cord
- AC/DC Power Adapter
- Quick Start Guide

Accessory items that can be purchased for each model:

- Additional microscope mounting adapters
- Optional Foot Switch for shuttering
- Analog to Digital Communication Cable: 4-Pin to 2-BNC Male Cable

For purchase of accessory items, please contact your local ScopeLED dealer or go to www.scopeled.com for information.

2. Parts Diagram

F110 Single Wavelength Illuminator

- Microscope Mounting Adapter
- Focusing Lens
- Heat Sink
- RJ12
- External Trigger Connector
- AC Power Cord
- AC/DC Power Adapter
- USB to Mini-USB Cable
- Foot Switch (Optional)
- 4-Pin to 2-BNC Male Cable (Optional)

F120 and F140

- Power Indicator
- Mini USB
- DC Power Jack

3. Safety Instruction

Warnings:

- Never look directly at the LED array light.
- Inappropriate usage of ScopeLED’s F-Series products could result in eye damage.
- Installation of the product onto readily available microscopes should always be performed according to the written guidelines.

4. Contact Us

1689 Regatta Blvd, Richmond, CA 94804
tel | 510.620.5154
fax | 510.620.4102
scopeled@scopeled.com
5. Setup (Applies to all the Illuminators)

- The illuminator comes with the microscope adapter installed, however, if for any reason the installed microscope adapter needs to be changed, use a 1.5mm allen wrench to loosen the M3 set screws located on the bottom of the front of the illuminator housing.

- Attach the ScopeLED F-Series Illuminator with the microscope mounting adapter to the microscope’s fluorescence illuminator lamp-house port.

- It is important that the ScopeLED F120 and F140 Illuminator models be mounted in a vertical 12 O’Clock position to +/- 5 degrees.

- Once the illuminator is installed on the microscope’s fluorescence illuminator lamp-house port, connect the AC/DC power adapter to the illuminator at the DC power input port.

- Connect the RJ12 cable to the Illuminator and then to the Manual Controller unit.

- Plug the AC power cord into the power supply and then into the wall socket.

6. Turning the Power On

- Turn the illuminator ON using the ON/OFF button located in the upper right of the controller.

- When your imaging is complete, turn the ON/OFF button to the OFF position.

- Once on, the light path can be controlled using the Green Shutter button.

- Plug the AC power cord into the power supply and then into the wall socket.

7. Options

- Foot Switch
  If you are using the optional foot switch, plug this into the back of the controller, place the foot switch in a comfortable location on the floor, and open and close the shutter by pressing on the foot pedal.

- BNC Cable
  If you are using the optional BNC cable, please consult the F-Series Operation Manual for proper use.

8. Control Knobs

- Use the control knob labeled “INTENSITY” to adjust the brightness as the images below.

- Use the control knob labeled “WAVELENGTH” to change the wavelength as the images below.

F110 Series Single Wavelength Illuminator:  Use wavelength 1 setting.
F120 Series Dual Wavelength Illuminator:  Use wavelength 1 and wavelength 2 settings
F140 Series Quadruple Wavelength Illuminator: Use wavelength 1 to wavelength 4 settings

9. Downloads

Software:
Controlling the F-Series Illuminator by PC requires Light Control Software. This can be downloaded at http://www.scopeled.com/resources/downloads.php

Operation Manual: