

B190/B210 Series

BRIGHTFIELD MICROSCOPE ILLUMINATOR

Quick Start Guide

5870086A2-LS

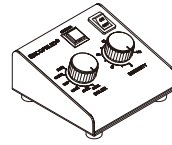
1. Items Included

B-Series Illuminator, including LED Array Module x1
Microscope Mounting Adapter x1
B-Series Manual Controller x1
RJ12 Cable x1
USB to Mini-USB Cable x1
AC Power Cord x1
AC/DC Power Adapter x1
Quick Start Guide x1

Accessory items that can be purchased for each model:

- Additional microscope mounting adapters
- Optional Foot Switch for shuttering
- Analog to Digital Communication Cable:
 - DE-15P to 2-BNC Male Cable (for single color type)
 - DE-15P to 8-BNC Male Cable (for RGB color type)

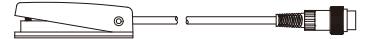
For purchase of accessory items, please contact your local ScopeLED dealer or go to www.scopeled.com for information.
1689 Regatta Blvd, Richmond, CA 94804
Tel: 510.620.5154 | Fax: 510.620.4102
Email: scopeled@scopeled.com



Manual Controller



AC/DC Power Adapter



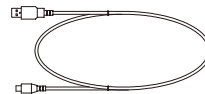
Foot Switch (Optional)



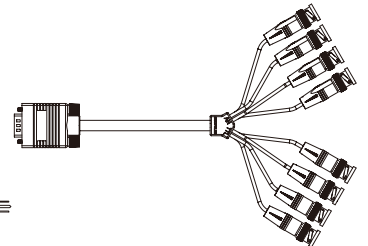
RJ12 Cable



DE-15P to 2-BNC Male Cable (Optional)



USB to Mini-USB Cable



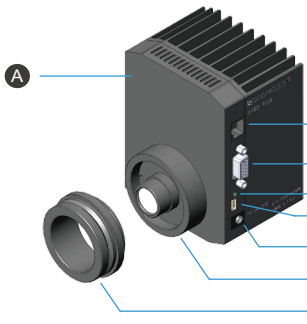
DE-15P to 8-BNC Male Cable (Optional)



AC Power Cord

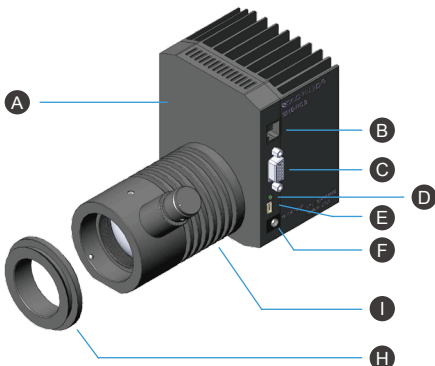
2. Parts Diagram

B190



- A Light Engine
- B RJ12 Jack
- C External Trigger Connector
- D Power Indicator
- E Mini USB
- F DC Power Jack
- G Light Mixing Chamber
- H Microscope Adapter
- I Light Mixing Chamber with Focusing Lens

B210



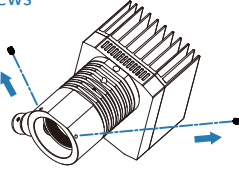
3. Safety Instruction

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

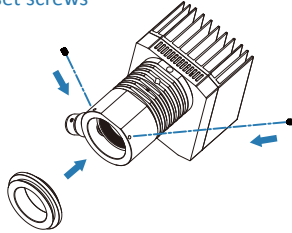
4. Setup (Applies to all the Illuminators)

- The illuminator comes with the microscope adapter installed, however, if for any reasons 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.

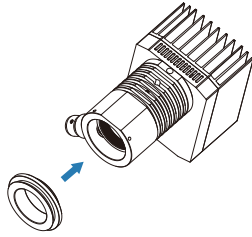
Loosen the M3 set screws



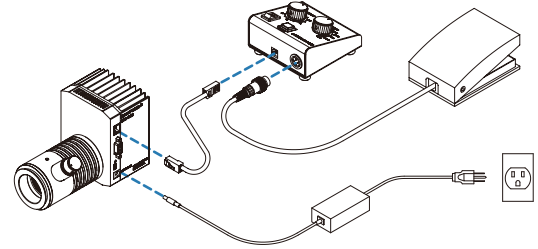
Secure the M3 set screws



- Attach the ScopeLED B-Series Illuminator with the microscope mounting adapter to the microscope's transmitted or reflected light lamp-house port.

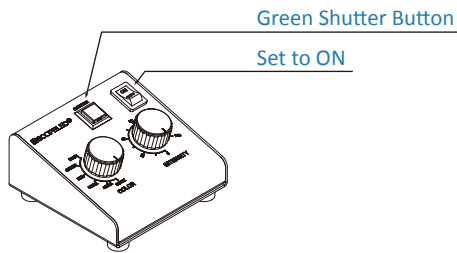


- Once the Illuminator is installed on the microscope, connect the AC/DC power adapter to the illuminator at the DC power input port.
- Connect the RJ12 cable to the illuminator and then to the manual controller unit.
- Connect the optional foot switch to the manual control unit if purchased.
- Plug the AC power cord into the power adapter and then into the wall socket.



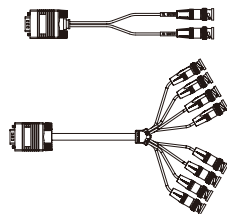
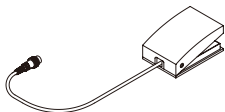
5. Turning the Power On

- Turn the Illuminator ON using the ON/OFF button located in the upper right of the controller.
- Once on, the light path can be controlled using the Green Shutter button.
- When your imaging is complete, turn the ON/OFF button to the OFF position.



6. 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 B-Series Operation Manual for proper use.

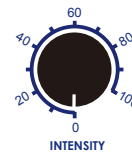


7. Control Knobs

- Use the control knob labeled "INTENSITY" to adjust the brightness as the images below.
- Use the control knob labeled "COLOR" to adjust the desired color temperature as the images below.

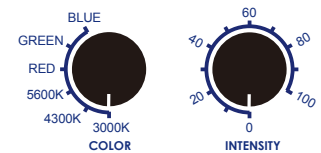
B190/B210 White Light
(Use 5600K Setting)

B-Series 5600K



B190/B210 Mixed RGB
(Use the intensity knob and color knob
3000K to Blue)

B-Series RGB



8. Downloads

Software:

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

Operation Manual:

For the complete B-Series Operation Manual in PDF format please go to link on the ScopeLED website.

<http://www.scopeled.com/resources/downloads.php>