

Operation Manual

LED Headlight Manual

Model P1181



Owner's Record

Model Number

Serial Number

Date Purchased

Location Purchased

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Symbols Used in this Manual or on the Device

NOTE:

This term contains important information regarding set-up and operation to facilitate ease of use and obtain effective results.



This term contains critical information regarding safe handling and use of this system. Device malfunction or property damage could result if these instructions are not followed.



This symbol cautions that surfaces may be hot and could be a burn hazard.

WARNING:

This term contains critical information by identifying conditions or practices that may result in injury or loss of life if these instructions are not followed.

Warning - This device presents a risk of burn, fire or explosion



Burn risk to personnel.

Hazard

The Li-ION battery may overheat if improperly recharged.

Actions To Be Taken/ Prevented

Only attempt to recharge the battery using the supplied battery charger. Attach to battery before plugging into the wall.



Risk of Fire

Hazard

The Li-ION battery produces significant amounts of heat if improperly recharged.

Actions To Be Taken/ Prevented

Only attempt to recharge the unit using the supplied battery charger. Attach to unit before plugging into the wall.



Risk of Explosion

Hazard

The system contains a Li-ION battery which can overheat or explode.

In the event of overheating or an explosion the controller may suffer internal damage as a result.

Actions To Be Taken/ Prevented

Read the manual in its entirety and heed all safety warnings before operating the light source.

Only factory personnel shall inspect the unit for internal damage.

Do not attempt to charge the battery with a power supply other than that provided with the system.

Description

The P1181 LED Headlight Illuminator is a high intensity spot light source for use with surgical eyeglass systems.

The P1181 system consists of a remote high output LED lamp assembly integrated into a position adjustable aluminum carrier. A single cable supplies the power from the intensity controller.

The intensity controller uses a microprocessor to provide 4 levels of intensity and has an integrated Li-ION battery and recharge control circuitry.

Power is supplied using a wall socket supply. This power supply is specific to the P1181 system and must be the only power unit used for recharging to prevent damage.

Because of the intense brightness of the LED the user should avoid directly viewing the LED head light.



Photo above shows LED Controller with On/Off button depressed.

Unpack

Carefully unpack all components. Inspect all components for any signs of damage, which may have occurred during shipping.

If shipping damage is suspected, notify Seiler Inc or your authorized Seiler distributor immediately.

Charge the unit before initial use.

Plug the charger into the unit before plugging into wall. Only use the supplied wall charger . The module is fully charged when the GREEN LED is no longer illuminated.

Note: The headgear LED will not illuminate and can not be used during charging.

Install the LED module onto the surgical glasses

Install the LED illuminator onto the surgical glasses using the integrated mounting clip. Make sure that the mounting clip bottom hole slips over the small post on the bottom of the glasses frame.

Photo shows the mount clip pinched between two fingers to open the jaws.



Adjust beam angle and set tilt tension

Adjust the LED beam position by tilting the LED module. Tension to maintain position can be adjusted with the small set screw using the supplied tool by tightening clockwise. Use small adjustments to avoid damage from over tension. Do not back the set screw out or the unit will become disassembled.



Above photo shows the tilt procedure for the LED head light assembly.



Above photo shows the tension adjustment for the LED head light assembly using the supplied tool.

Power Up

Press the On/Off button to power up the LED module.

Photo shows LED Controller with On/Off button depressed.



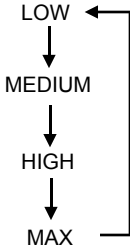
Set Intensity

Set the output brightness level by depressing the intensity button. There are 4 levels of intensity. The unit will step thru the various intensity levels as illustrated below. *NOTE: The LED will not illuminate while connected to the battery charger.*

Photo shows LED Controller with Intensity button depressed.



Intensity sequence



Maintenance

If the unit should malfunction, and this troubleshooting matrix does not correct the problem, then contact technical assistance.

LED Won't Power Up	<i>CHECK</i>	Recharge battery.
	<i>CHECK</i>	Wires are not damaged.
	<i>CHECK</i>	On/Off switch has been pressed 'ON'.
	<i>CHECK</i>	LED will not illuminate while charging.
LED module won't stay in position	<i>CHECK</i>	Power cable not binding or snagged.
	<i>CHECK</i>	Adjust LED module tension with supplied tool.

Specifications

Battery Charger 100-240 VAC, 50-60Hz, 0.2A@115VAC

Run time 8 hours at full charge

Charging Time 4 Hours (Approximate)

Power Consumption 2 Watts

Operating Limits**Storage Limits**

Temperature

10° to 25° C
(50° to 77°F)

0° to +50° C
(32° to 122°F)

Relative Humidity

30% to 75%

0% to 100%
(Non-Condensing)

Package Contents

Package Contents:

Foam padded carrying case (1 ea)

LED headlight assembly (1 ea)

Charging power supply (1 ea)

Adjustment tool (1 ea)



Limited Guarantee / Warranty

Seiler Instruments warrants this product to be free from defect in material and workmanship for a period of 12 months following original purchase. The warranty excludes LEDs, cables, and any other items that have been misused, neglected, damaged, altered, or used in any manner inconsistent with the instructions in this manual.

Seiler Instruments's obligations under this warranty are limited to the repair, replacement, or reimbursement of the product only, and, in no event, is Seiler Instruments liable for any consequential or special damages, or costs related to the transportation, installation, or any other costs related to a warranted product.

Product Support

E-Mail: tleise@seilerinst.com;
micro@seilerinst.com

Phone 800-489-2282
314-968-2282

Fax 314-968-6301

Mailing: 3433 Tree Court Industrial Blvd.
St. Louis, MO 63122

Web: www.seilerinst.com



3433 Tree Court Industrial Blvd.
St. Louis, MO 63122
Phone: 314-968-2282 Fax: 314-968-6301
1-800-489-2282 (toll-free)