

RADIANT™

CORDLESS HEADLIGHT



RADSYSC2



Instructions for Use

Q-Optics

Your Radiant™ Cordless Headlight System Contains:

Two Batteries



RADBLC1

Headlight with Battery Tray



RADHUC2

Power Supply and USB Cable



RADUSB1
5V - USB DC Power Supply

Light Cap



Anti-Curing Filter



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CONTENTS

The Q-Optics Radiant™ Cordless Headlight mounts easily via the quick-disconnect mount enabling use with nearly all brands or styles of loupes and safety glasses.



Mounting clip styles will vary



Remove the Q-Optics name plate by pressing it upwards and off to reveal mounting screws.



Align the headlight mount channel opening to the mounting screws on the loupes, then slide the headlight on until fully seated.



Position anti-curing filter to front of headlight and push onto light.

Anti-curing: use filter to prevent fast curing of composite material



WARNING
Headlight can become warm during use. Touch with caution.

If you have purchased a Q-Optics headlight for use with another manufacturer's loupes, you will first need to attach the included adapter prior to mounting your headlight.

The Q-Optics Radiant™ Cordless Headlight features an easy to use, capacitive On/Off control, integrated with the battery.



Assembly

Assembling the Radiant™ Cordless Headlight is quick and easy. For use, simply slide the battery onto the battery tray, from back to front, until it clicks into place securely.

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SYSTEM ASSEMBLY



On / Off Touch
Activation Area



Cordless System Features

Each Q-Optics Radiant™ Cordless Headlight includes two intuitive battery pack units with an integrated touch control. Note the location and function of the interface.



Power Supply
USB-C Connection
Interface

Battery
Status LED

Once mounted on your loupes, operating the headlight system is simple and easy to use; power the light on and off with a simple touch of the Q-Optics logo area.

Headlight Operation



Capacitive Touch On/Off

The battery pack serves as both the power source and control for the headlight. Using sterile technique, a single touch to the logo area will turn the unit ON or OFF.

Approximate Run-Time

The Radiant Cordless Headlight should achieve approximately 2 hours of run time per battery when new. Additionally, the battery charge time from empty to full will take approximately 1.5 hours.



WARNINGS

- Do not disassemble battery pack
- Do not dispose of battery pack in fire
- Do not heat battery pack above 60° Celsius (140° Fahrenheit)

Suggestions:

Anti-curing - Use the included anti-curing filter to prevent fast curing of composite material.

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USING THE CORDLESS HEADLIGHT

Adjusting Headlight Side-to-Side



The headlight will rotate from right to left from the baseplate mount directly attached to your loupe frame.

Adjusting Headlight Up and Down



The headlight will tilt vertically upward and downward from the screw hinge where the battery tray meets the headlight.



Low Battery Warning

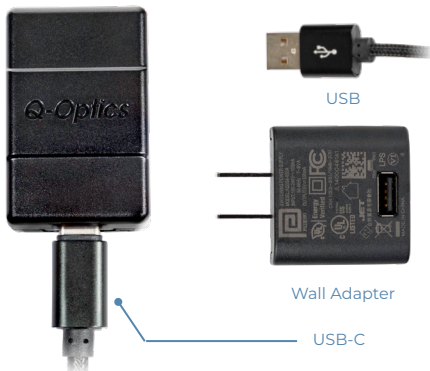
If the headlight is powered on, it will alternate between bright and dim for about 1 second, five times, to indicate a low battery (indicating about 15-25 minutes of usage remaining). When the battery is too low to run the headlight, the LED indicator will flash RED while it is installed on the battery tray. (A completely dead battery cannot flash the red light.)

NOTE:

If the headlight does not turn on with a known good, fully charged, battery - remove and re-seat the battery to assure a proper connection is made.

1

Plug the power supply USB-C cable into the port at the bottom of the battery pack. Insert the USB end into the wall adapter power supply.



2

Plug power supply into electrical outlet.



3

Battery LED will be RED to indicate battery is charging.

When battery LED turns GREEN battery is fully charged.



Charging



Fully Charged

Battery Storage: If stored OFF the tray, the battery will last significantly longer than if stored ON the tray.

NOTE: The light will not run when the USB cable is plugged into a power source.

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CHARGING THE BATTERY



The Q-Optics Radiant™ Cordless Headlight is a fine optical instrument and should be treated with care.

- Do not submerge or rinse headlight in water or any type of sterilization fluid. Headlight is not waterproof and should not be washed or submerged in water.
- Basic cleaning may be done with a clean dry microfiber cloth or by spraying the cloth lightly with Q-Optics optical lens cleaner. Use a light pressure with circular motion to clean or dry the headlight lens. DO NOT SPRAY LIGHT DIRECTLY.
- It is OK to disinfect headlight using moist Cavi-Wipes, not dripping with solution..
- Do not use solvents or cleaning solutions other than those listed above on the headlight or battery pack.



Do not spray cleaning or disinfecting solutions into open electrical areas on the battery pack. Damage may occur.

Disposal Instructions



- Do not throw headlight, battery pack, or charger in trash
- Contact your local authorities for disposal or return to Q-Optics for free disposal

TECHNICAL DATA

Light Intensity	Up to 2431 Foot Candles
Color Temperature	5700K
Color Rendering Index (CRI)	90 CRI
Operation Mode	Continuous
Headlight Weight	5.61 grams
Battery Weight	20.14 grams
New Battery Run Time	Approx. 2 hours (each battery)
Battery Type	Li-Ion Battery, 3.6 V
Operating, Storage, and Charging Environment	Temp: 32° to 113° F (0° to 45° C) Humidity: 5% - 95% non-condensing
Battery Charge Time	Approx. 1 hour 30 minutes

NOTES

Lithium Ion batteries are considered an expendable part and are not considered defective by simply exhibiting diminished capacity. They have an estimated life of approximately 1 year, in which they will be at 60-80% capacity and will begin to lose additional capacity more rapidly thereafter.

WARRANTY

Q-Optics / Quality Aspirators (the "Company") guarantees that the Product will be free from defects in material, construction, and design from the time of first purchase.

The Company extends this limited lifetime warranty to the original purchaser of the Product as identified in the Company's records. This warranty will extend to any subsequent users or purchases of the Product, but will last for the remainder of the warranty period from the original date of purchase.

Defective units will be repaired or replaced by Quality Aspirators or its authorized representative. Quality Aspirators has the sole and final decision in determining if a unit is defective or whether the unit will be repaired or replaced with similar equipment. Product that is repaired or replaced by Quality Aspirators do not receive an extended warranty.

<https://q-optics.com/support/warranty/>

Your headlight is covered by a 24 month warranty, the batteries are covered by a 12 month warranty.

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Product specifications are subject to change at any time without prior notice.

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