



Q-Optics

Have a better look.®

Radiant[™]
LIGHT SYSTEM
Cordless Headlight

Welcome

to Q-Optics Radiant™ Light System Cordless Headlight RADSYS1

Before you begin, verify light system kit contents:



Headlight w/Battery Tray
RADHUC1



2 Batteries
RADBLC1



Anti-Curing Filter

Power Supply & USB-C Cable
5V - 550mA DC power supply



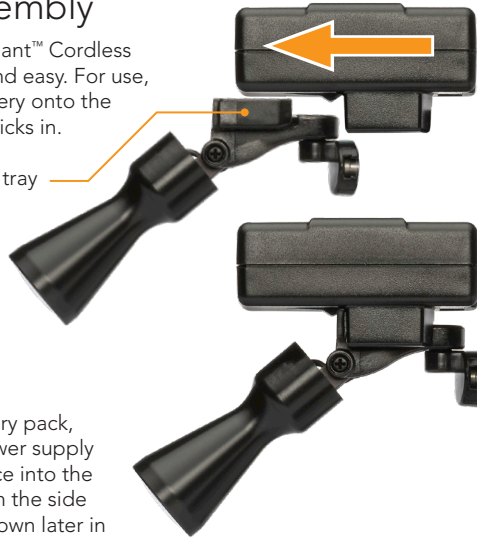
1

Contents

System Assembly

Assembling the Radiant™ Cordless Headlight is quick and easy. For use, simply slide the battery onto the battery tray until it clicks in.

Battery tray



To charge the battery pack, simply plug the power supply cord USB-C interface into the charger interface on the side of the battery as shown later in these instructions.

Power supply USB-C connection interface



Battery Status LED

System Features

The Q-Optics RADSYSC1 Radiant™ Cordless Headlight features an ergonomic and easy to understand control integrated with the battery pack. Note the location and function of the interface below.



On/Off Activation Area

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Assembly

Features



Headlight Operation

Operating the system is simple and intuitive; power the light on and off with a simple touch of the logo area.

Suggestions

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

Warnings

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

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On/Off
Using sterile technique gently touch the logo area with a vertical motion to turn ON or OFF the headlight.

Low Battery Warning:

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

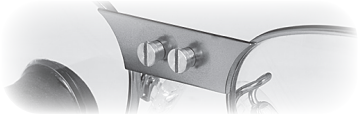
* If the headlight does not turn on with a known good battery, remove and re-seat the battery to make sure you have a proper connection.

Using the Cordless Headlight

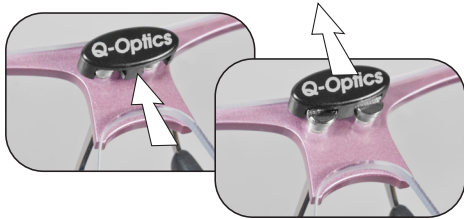
RADSYSC1 Cordless Headlight

The Q-Optics Radiant™ Cordless Headlight mounts easily via the “Quick Connect Mount” enabling use with the Q-Optics Headband, most brands of custom TTL style loupes, most brands of flip style loupes, eyeglasses, and safety glasses.

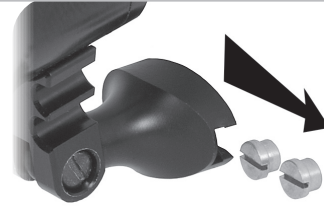
Mounting clip styles will vary.



Attach mounting clip (if necessary) using instructions included with clip. Headbands and some loupes come with clip already mounted.

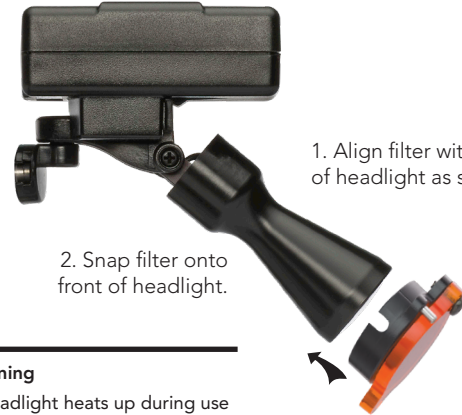


Remove name plate (if necessary) by pressing upward from the bottom and off to reveal the mounting screws as shown above.



Attach the headlight by sliding the quick disconnect onto the mounting screws as shown.

Install anti-curing filter using the steps below.



1. Align filter with front of headlight as shown.

2. Snap filter onto front of headlight.

Warning



- Headlight heats up during use
Touch with Caution

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Using the Cordless Headlight

Using the Power Supply

READ THESE INSTRUCTIONS BEFORE USING POWER SUPPLY



1. Plug power supply USB-C cable into bottom of the battery pack.

2. Plug power supply into electrical outlet.

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

3. Battery LED will be RED to indicate battery is charging. When Battery LED turns GREEN battery is fully charged.

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




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Charging the battery

Cleaning and Care

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

1. Do not submerge headlight into water or any type of sterilization fluid. The headlight is not water proof and should not be washed or submerged in water.
2. Basic cleaning may be done with a clean dry micro fiber cloth or the lens can be sprayed lightly with Q-Optics Optical Lens Cleaner. Use a light pressured circular motion to clean or dry the headlight lens.
3. It is OK to disinfect headlight using alcohol, Lysol® spray, Cavi-Wipes or other surface disinfectant.
4. 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



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



Technical Data

Weight of Battery Pack	20.14 grams
Weight of Headlight	7.96 grams
Battery Type	Li-Ion battery, 3.7 V / 450 mAh
Battery Charge Time	1 hour 45 minutes
New Battery Life	2.5 hours (each battery)
Operation Mode	Continuous
Operation and Storage Temperature	-20° to 135° F (-29 to 57 C)

Warranty

Quality Aspirators guarantees material, construction and design to be free of deficiencies from the time of first purchase.

The warranty goes into effect from the time of purchase by the original purchaser. In the event of change of ownership from the original purchaser, the warranty will last for the remainder of the warranty period from the original date of purchase. Units that are repaired or any replacement units do not receive an extended warranty.

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.

The Headlight is covered under a 24 month warranty. Batteries are an expendable part and are not considered defective by simply exhibiting diminished capacity. Batteries are under warranty for a period of 12 months.

Mistreatment, misuse, or tampering with the unit

voids all warranty rights. Water damage is not covered and will void warranty. Manual instructions and warnings must be observed at all times.

For initiation of a warranty claim in the USA please contact:

Quality Aspirators
1419 Godwin Ln
Duncanville, TX 75116

P 800-858-2121

support@q-optics or
support@qualityaspirators.com

Outside the USA – please contact your local distributor.

No changes may be made to this warranty without being first written, printed, and published by Quality Aspirators Inc.

The logo for Q-Optics features the company name in a white, bold, sans-serif font. The letter 'Q' is significantly larger and partially overlaps the 'O'. The background is a solid orange color with a faint, stylized circular graphic behind the text.

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