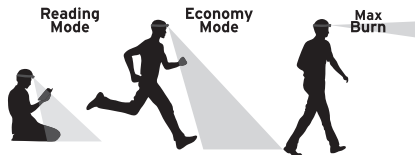




GLACIER SERIES HEADLAMPS

	Reading Mode	Economy Mode	Max Burn
Glacier 200	7 lumens, 65 hrs run time	25 lumens, 30 hrs run time	100 lumens, 18 hrs run time
Glacier 320	7 lumens, 65 hrs run time	15 lumens, 60 hrs run time	200 lumens, 10 hrs run time



Thank you for purchasing your Glacier series headlamp. Using the latest in LED and power management technologies, these hands-free lights are designed and ruggedized to take you as far as you want to go. This user's guide will help you to optimize the performance of your new headlamp.

Battery configuration

This headlamp has been configured with a lithium-ion rechargeable battery pack, which can also be adaptable to charging your other portable devices. (notes and specifications see below)

To power the head lamp, connect it with the battery pack through provided USB cables.

The long cable is intended for reaching the battery pack when clip on the waist belt, the short cable is intended to clip the battery pack onto the bracket of the head band.

Power Output and Control

The Glacier series headlamps use complex circuitry both to maximize longevity and performance, and also for ease and versatility of use in the field.

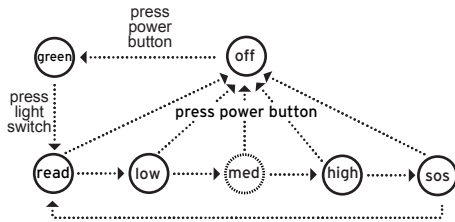
The power switch is set on the battery pack, which allows to switch off the power from any status.

To prevent from accidental discharge, the system will turned off automatically if there's no output/load detected within 5 seconds.

A press button switch on the light is provided to shift from different light pattern.

The charts below detail the switch operations for different Glacier models.

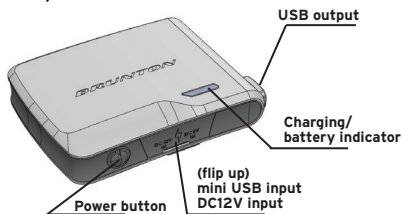
Glacier 200/320



* the "med" mode is not available for Glacier 320

Battery specifications

- Rechargeable lithium ion battery: 3200MAH
- Mini USB input : 5V/500mA
- DC 12V adaptor input : 12V/500mA
- USB output : 5V/1000mA



Charging battery pack

Connect battery pack to a USB port on a running desktop or computer, or, to a DC 12V socket within a running car.

One fully charged Glacier battery pack charges:



Charging/battery indicator

- The indicator will blink when it's in charging, and it'll turn into steady green when it's full.
- The indicator will also show the battery status at start of using, or by a single click of the power button when it's not in use :

Red - battery exhausted
 Orange - less than 40% battery remain
 Green - more than 40% battery remain

Charging your device :

Connect your phone or device using the device-specific USB cable to the USB output, then press the power button till indicator is on, then your device will begin charging.

Hints :

- to maximize the efficiency of the battery,
- fully charge the battery before using
- recharge the battery every 4~5 months when in storage
- recharge the battery before it's drained completely

Notes :

- Do not short circuit, disassemble, or expose to fire.
- Do not submerge unit in water.
- Do not expose to temperatures greater than 60 C
- Recycle according to local regulation.

Care

Glacier series headlamps are rugged and water resistant according the IPX4 standard (splash proof). If the headlamp gets dirty, clean it with a damp cloth. The Glacier series is not designed for underwater use and submersion should be avoided at all times. If used in extremely wet conditions for a period of time, allow the headlamp to fully dry in a room temperature environment before storage or further use. Avoid contacting the headlamp with sunscreen or insect repellent containing DEET. This can breakdown the plastics and affect the clarity of the lens.

Warranty

Please register your Glacier 200/320 by visiting www.brunton.com/register. Brunton has taken every effort to ensure years of trouble-free use from your new product. This product is guaranteed to be free of defect in material and workmanship according to local regulatory requirements. This product is not subject to guarantee from third-parties and is subject to change. Brunton will repair or replace with a new equivalent, without charge for parts or labor, per Brunton's discretion. Brunton cannot be held responsible for accidents, damages or injury occasioned by the use of this product. Warranty will be rendered invalid if product is damaged by tampering, negligence, or misuse.

BRUNTON

7088 Winchester Circle
 Boulder, CO 80301

www.brunton.com

