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Elite Rechargeable Lantern Spotlight 300 Lumens



Code: 53207

Operating Instructions

Elite Rechargeable Lantern Spotlight 300 Lumens

This versatile rechargeable lantern offers a variety of great features and functions, including a 300 lumen output LED spotlight with three operating modes of High, Low and Flashing. On the side of the torch is a COB LED floodlight providing 80 lumens of light. A four LED display on the back of the torch indicates remaining power.

The torch can also be used as a powerbank to charge devices such as mobile phones.

Specifications

Mode	High	Low	Flood
Brightness	300lm	150lm	150lm
Run time	2h	4h	4h
Light source	10W XPG LED		COB LED
Battery	Li-ion 18650 3.7V 2400mAh		
Charge time	Approx. 6 hours		
Water resistant	IP67		
Impact resistant	1 metre		
Weight	568g		
Dimensions	205 x 155 x 112mm		
Supplied with	USB charging cable		

Battery Recharging

The torch must be fully charged for a minimum of 6 hours before being used for the first time. This will ensure that the battery gives its best performance now and on future recharging cycles.

The charging cable is for recharging the battery only. It cannot be used to directly power the light.

Failure to recharge the light every 3 months may permanently damage or reduce the performance of the light. The battery charge does not have to be fully depleted before recharging.

Using the Charging Lead

Plug the USB charger lead into the micro USB charging socket on the back of the torch. Plug the other end of the lead into any USB charging outlet.

While on charge the charging indicator LED will flash red. All four LEDs will turn red when the battery is fully charged (approximately 6 hours).

Please note the following

- 1) For the best performance Li-ion batteries should not be stored for prolonged periods without being charged at regular intervals.
- 2) It is recommended to keep the battery in a state-of-charge of 40 - 50% when placing in storage. If in doubt, keep the

light in a higher charged state in a cool place.

- 3) Self-discharge rate is approximately 10% per month.

Operating Instructions

The lantern's light output functions are controlled by a sequential switch on the side of the light:

- Press and release the power button to turn on spot beam LED on full power.
- Press and release the button again to change the spot beam LED to low power.
- Press and release the button again to change the spot beam to flashing mode.
- Press and release the button again to turn on to the side floodlight LED.

Tripod Handle

The handle features two fold-out legs to allow use as a tripod and a ratcheting mechanism to allow adjustment of beam angle.

Charging a Device with the Powerbank Function

- 1) Plug the USB cable into the charging port of the device to be charged.
- 2) Plug the other end of the USB cable into the large USB outlet on the back of the torch.
- 3) Charging will commence as soon as the USB lead is connected. Check that the torch is switched off to ensure that the recharge time is kept to a minimum.
- 4) Once the attached device is fully charged disconnect the charging lead to conserve the remaining battery power stored in the torch.

NOTE: The lantern can be used to recharge any device that has been supplied with a USB charging lead by its manufacturer. York Survey Supply Centre cannot be held responsible for any damage or accident caused to any device that is charged using the lantern as a power source.

Please note that some mobile devices' charging leads can contain authentication chips to prevent the use of third party chargers with their products.

Cleaning

Clean the lantern using a soft cloth dampened with a soap and water solution.

Maintenance

There are no serviceable parts inside this light. Opening or visible attempts to repair the light will void any guarantee. LED bulbs should not wear out under normal conditions and do not need to be replaced.

Never attempt to open a battery as liquid may be ejected. If accidental contact occurs, flush the affected area with water. If the liquid comes into contact with the eyes, flush with water and seek medical help. Liquid ejected from batteries may cause irritation or burns.

Li-ion batteries are formulated from environmentally sensitive materials and must be disposed of properly. Please return these batteries to your local recycling centre where they will be recycled or disposed of properly.

Never attempt to incinerate batteries as they may leak or explode.

One-Year Home Use Limited Guarantee

York Survey Supply Centre guarantees this product to the original purchaser for a period of ONE YEAR against any defects in material or workmanship, but shall not cover damage caused by misuse, abuse, alteration, or accident. This product is intended for home use only and the guarantee will not cover products used for commercial purposes.

A Guide to Lithium-ion Rechargeable Torches

Charging and Maintenance

Understanding and following a few simple rules will help ensure that you receive the best possible performance from the lithium-ion battery used to power this product.

Battery Life

There are many variables that have an effect on a battery's working life and performance - storage temperature, charging routines and method of use all play their part. The estimated working life of a lithium-ion battery is approximately two to three years from the date of manufacture, provided that it is correctly maintained.

All battery packs will deteriorate even if they are sitting on a shelf unused and have a finite lifespan due to their internal chemistry. Using a battery less will not increase or improve the battery pack's life expectancy.

A battery may fail at any time due to heavy use or unfavourable temperature conditions, however, most packs last considerably longer than the date stamp indicates. Battery packs do not die suddenly, but the runtime will gradually reduce as the battery ages and their capacity fades.

Charging

It is not necessary to perform a full charge and discharge cycle when the battery is first used and you can recharge or top up the battery at any time. These batteries do not suffer from lazy or battery memory effect (Voltage Depression) caused by partial charging which can afflict nickel-cadmium and nickel-metal hydride products which causes them to hold less charge.

Lithium-ion batteries respond well to shallow discharge and recharge cycles as these apply less stress on the battery helping to improve its working life. This type of charging regime is largely regarded as better for the battery than a full discharge and recharge cycle.

Best performance can be achieved by recharging the battery when it has been discharged by approximately 50% and then topping it up. While you're charging you should also avoid pushing a lithium-ion battery all the way to a 100% charge.

NB

Always use the charging adaptor supplied with the product to ensure the correct recharge rate (Volts and Milliamps) is applied.

Maintenance and Storage

All batteries, including lithium-ion, require regular maintenance charges if they are to be stored for a prolonged period without use. A maintenance charge protects the battery from over-discharging, which can cause the battery to shut down and helps prolong its working life and ensure the product is always ready for use.

If a battery is to be left unused for any extended period of time it should ideally be stored at a charge capacity of approximately 40 - 50% to help ensure a long working life. If in doubt, keep the battery at a higher charge in a cool place. The worst situation is keeping a fully charged battery at elevated temperatures.

Battery Safety and Over-Discharging

Lithium-ion batteries contain a protection circuit that shields the battery against abuse such as over-charging, caused by leaving the battery on charge while at maximum capacity. This can cause batteries to explode. This important safety feature will also turn the battery off and make it unusable if it is over-discharged as the battery will slip into a sleep mode. This can happen if a lithium-ion pack is stored in a discharged state for any length of time as the natural self-discharge will gradually deplete the remaining battery charge. If the battery's voltage is allowed to fall below 2.2 volts it will become over-discharged and will result in a progressive breakdown of the electrode materials. The self-discharge rate is approximately 10% per month. There are other causes for battery failure, but this is the most common.

DO NOT

- Attempt to disassemble or modify this battery.
- Use the battery if it shows signs of a leak, change of colour, shape, or any other changes.
- Burn or expose to high temperatures.
- Short circuit the battery.

WEEE Directive and Battery Disposal

This battery should not be disposed of along with household waste, buried or burnt. Please dispose of this battery at an appropriate collection point.

Rechargeable Products and Batteries Warranty Claims

Rechargeable battery life depends on many factors and the cells can become easily damaged dependant on environmental and storage conditions.

Please note: Your product is guaranteed from defect for a period of 1 year. This excludes the battery, which is covered for 90 days from the date of purchase. If you notice the running or charge times decreasing, this is normal over the lifetime of the battery and is classed as fair wear and tear.

There will be some items within our range that will be non-serviceable, but in most cases we can supply replacement batteries for our products.