

## Torch Operating Instructions

The torch is activated by using the on/off button located at the end of the tail cap

Before use charge the 2 batteries for approximately 12 hrs

When placing the battery into the torch, unscrew the tail cap and make sure that the + end of the battery is placed down into the torch

There is no reason to remove the torch head

### **Cleaning the Lens**

This can be done by unscrewing from the torch head. The torch is fitted with water resistant o-rings. To prevent the o-rings from drying and threads operating smoothly please apply petroleum jelly-to the surfaces two three times. Do not over tighten

### **Batteries**

When charging the battery, make sure you place the batteries into the charger correctly.

The charger is clearly marked +/- . Placing them in the wrong way can damage the charger

### **Charger**

The charging unit has a continuous red light which will come on when you place the batteries into the charger. When the batteries are fully charged a continuous green light will come on indicating the batteries are fully charged

### **Troubleshooting**

The torch will not operate - check that the battery is in the torch the correct way round and the battery is fully charged

Torch still does not operate and/or the LED is flickering - unscrew the tail cap from the torch. Inside the tail cap there is a plastic washer, remove this, underneath there is a ring with 2 pin holes, tighten this clockwise and replace the plastic washer

Torch still does not operate - ask your supplier for a replacement

**ALL PARTS OF THIS TORCH CAN BE REPLACED.**  
**ASK YOUR SUPPLIER FOR DETAILS**

**PLEASE READ BEFORE USE**

## **The Vision 365 UV Torch – Health & Safety Guidelines**

The Vision 365 UV Torch has been tested for UV emissions by the Health Protection Agency for your safety and has been classified as belonging to IEC risk group 3. A full copy of the safety document can be downloaded in PDF format from [www.aceuvblacklight.com](http://www.aceuvblacklight.com) or contact your supplier for a copy.

All personnel using the torch must be made aware of the health and safety information provided including the maximum permissible exposure limits calculated by the Health Protection Agency as detailed below and trained to observe them.

NOTE - DO NOT SHINE DIRECTLY INTO THE EYES AND LIMIT EXPOSURE ON SKIN (the exposure limits should be adhered to at all times).

If the torch is used for long periods and in confined spaces, it is advisable to use UV spectacles, long sleeves and gloves to avoid unnecessary exposure to the user.

The Maximum Permissible Exposure Limits calculated by the Health Protection Agency are set out in the table below. This shows the cumulative exposure times at a given distance during any 8 hour period:

<b>Eye Exposure</b>	Distance from torch lens	20cm	100cm
	Maximum exposure time	40 seconds	8 minutes 20 seconds
<b>Skin Exposure</b>	Distance from torch lens	20cm	100cm
	Maximum exposure time	46 minutes 10 seconds	3 hours 35 minutes

### **The Vision 365 UV Torch Specification**

The Vision 365 UV Torch offers a light compact, long life, high durability solution to UV inspection techniques. The high powered LED gives intensity greater than  $6,000 \mu\text{w} / \text{cm}^2$  at 400mm. The battery life is approximately 8 hours enabling long inspection periods. The torch has been inspected by the Health Protection Agency

#### **Specification:**

- Single 365 nm Led (Peak Wavelength) LED life 60,000 hours on Constant operation equates to 6 yrs continued use
- Constructed - CNC machined aerospace-grade aluminium, hard anodized finish extreme corrosion and wear-resistance O-ring sealed
- Rotating Adjust Zoom Head
- Recessed tail cap switching mechanism is designed to prevent
- Unintentional activation of the torch
- Weatherproof and lightweight
- The initial charging of the battery takes 12 hrs. Subsequently in Recharging takes Approximately 2hrs
- 3.7 Volts
- 2200 mah.
- On /off switch momentary (instant start up)
- UV source 1 UV LED 5 WATT
- Wavelength true 365 nm
- Beam spread Rotating adjuster head zooms from 25mm up to 160mm
- Intensity  $>6,000 \mu\text{w}/\text{cm}^2$  at 375mm spot beam. Down to  $4,000 \mu\text{w}/\text{cm}^2$  at 375mm 169 Wide beam

Length 145cm ( 5.5 inches)

- Weight 145 grams ( 5.1 ounces including battery)
  - Battery life approximately 8 hrs
  - Re-charge approximately 2 hrs
- Each torch is supplied with:**
- 1 Battery charger
  - 1 240 volt charging lead
  - 1 Car charging Lead
- 1 Battery + one spare to enable continuous use

Each torch has a 12 month guarantee from date of purchase against manufacturer defects.

## ***The Vision 365 UV Torch With Rotating Adjuster Head For NDT Inspection***



### ***Leak Detection***

### **Specification and Health & Safety Information**

 **Berg Engineering  
& Sales Company, Inc.**  
*Your Complete Source for NDT Testing Equipment*

**Berg ENGINEERING & Sales Company Inc**

Phon: 1-847-577-3980

Email [Sales@ergengineering.com](mailto:Sales@ergengineering.com)