

## NANO 365 SERIES UV-A LED LAMP INSPECTION KIT

Part No. IDX-100



### INTRODUCTION

The Nano 365 Series IDX-100 Rechargeable UV-A LED Flashlight kit contains the IDX-100 flashlight, a portable, versatile, lightweight light source.



### WARNING

**UV light emitted from this product. Avoid eye and skin exposure to unshielded products**

**FOR PROFESSIONAL EXAMINATION USE ONLY**

### IMPORTANT SAFETY INSTRUCTIONS (Read all instructions)

- Do not operate the IDX-100 if it has been damaged.
- Do not look directly into the light. ALWAYS wear the UV-absorbing protective glasses provided when operating the flashlight. Use in low-light conditions to achieve the best inspection results. The darker the room, the greater the fluorescent contrast.
- The IDX-100 is not approved for use in hazardous atmospheres. Do not attempt to use it in areas requiring explosion-proof lighting.
- Never use this equipment in any manner not specified in these instructions because your protection may be impaired.
- Do not attempt to modify the lens assembly or light output. Doing so may alter the performance and intensity of the IDX-100 and render the item out of compliance.

### FEATURES

- Instant on operation, reaches full UV-A intensity immediately.
- Lamp is equipped with antioxidant blacklight filter glass to minimize the visible light and increase the UV light.
- Anodized aluminum flashlight body to minimize corrosion and maximize years of heavy use.
- Charged by USB-C cable and powered by one rechargeable lithium-ion battery

### TECHNICAL SPECIFICATIONS

<i>Length</i> .....	6.25"(15.9 cm)
<i>Lamp Head Diameter</i> .....	1.3"(3.3 cm)
<i>Weight</i> .....	4.93 oz (140 grams) (without battery)
<i>Light Source</i> .....	One (1) UV-A LED
<i>Power Requirement</i> .....	One (1) Rechargeable Lithium Ion Battery
<i>Continuous Run Time</i> .....	2 Hours
<i>Power Input</i> .....	2.8 to 4.2 Volts

### KIT COMPONENTS

Unpack and inspect the components for possible damage in shipment. If any damage or missing parts are noted, immediately notify the carrier and supplier, and do not use the light source.



- 1) Nano 365 Series IDX-100 Flashlight
- 2) Rechargeable Li-Ion Battery
- 3) 5V Power Adapter
- 3) USB Type C Charging Cable
- 4) Lanyard
- 5) O-ring (2)
- 5) Belt Holster
- 6) Storage Box

## **CHARGING AND USE**

- The IDX-100 is shipped factory set at the specified intensity for optimal performance during inspections.
- Turn flashlight upside down, unscrew and remove tail cap from housing and place included Li-Ion battery positive end towards head of flashlight. Attach provided lanyard to tail cap.
- Replace tail cap by screwing into flashlight housing.
- At center of flashlight is USB-C charging port, connect provided USB Type-C cable into flashlight and opposite end into provided 5V Power Adapter.
- The flashlight's charging indicator light displays red when charging and green when fully charged. Disconnect flashlight from USB Type C cable when charging is complete. The indicator light flashes when power is below 20% capacity.
- The IDX-100 has one switch (on and off) on rear of tail cap. Prior to using the flashlight, ensure that the switch is in the off position (no light illuminating from the flashlight). Press the switch once to turn the flashlight on. Instant-on operation ensures that the UV-A LED will reach full intensity immediately. Check to see if the unit is operating optimally.
- Press switch again to turn the flashlight off.

## **UV INTENSITY VERIFICATION**

To ensure that your IDX-100 flashlight is operating at the required UV intensity, it should be checked periodically. The AccuMAX™ XRP-3000 radiometer/photometer kit uses a UV-A sensor detector to accurately measure ultraviolet irradiance. For more information about these units, please contact the Customer Service Department at Spectro-UV. Call toll-free 1-866-230-7305.

## **CARE AND USE OF LITHIUM-ION (Li-ion) BATTERIES**

- Do not allow Li-ion batteries to fully discharge frequently, since this will put a strain on the batteries. They will work more efficiently on multiple partial discharges through regular use (every 2-3 weeks), and frequent recharges.
- When not in use remove the batteries from the flashlight and store separately.
- Before prolonged storage (30 days or more), charge the battery for at least two hours.
- Store batteries in a cool environment away from sunlight, heat and humidity. Store the battery at temperatures between 5 °C and 20 °C (41 °F and 68 °F).
- The battery self-discharges during storage. Higher temperatures (above 20 °C or 68 °F) will reduce the battery storage life.
- Li-Ion batteries are subject to disposal and recycling regulations that vary by country and region. Always check and follow your applicable regulations before disposing of any battery.

## **CARE AND MAINTENANCE OF FLASHLIGHT**

- It is suggested to regularly replace or lubricate the included O-ring and screw thread to ensure seal and smooth tail cap removal and replacement.
- Turn off flashlight and ensure unit is cool before cleaning filter glass. Please use lens tissue, or non-dust cloth for cleaning.
- For long term storage remove battery from flashlight.
- Be sure to use genuine Nano 365 Series replacement parts. Using another manufacturer's parts could affect product performance and will void the lamp's warranty.

## **WARRANTY**

The warranty policy for the IDX-100 is provided on the Certificate of Limited Warranty enclosed separately with each unit. The part number and serial number for the flashlight is located below the lamp head opposite the USB C charging port.