

**NANO 365 SERIES UV-A LED LAMP INSPECTION KIT**Part No. **IDX-400****INTRODUCTION**

The Nano 365 Series IDX-400 Rechargeable UV-A LED Flashlight kit contains the IDX-400 flashlight, a portable, versatile, lightweight light source featuring UV-A light ideal for industrial leak detection and other specialized applications.

**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 Nano 365 Series Rechargeable Dual White Light/UV-A LED flashlight (IDX-400) if it has been physically 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.
- Use only the provided Li-Ion battery for the IDX-400.
- The IDX-400 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.
- NEVER aim the flashlight in the direction of another human being. It is meant for professional fluorescent inspections ONLY!
- DO NOT attempt to modify the lens assembly or light output. Doing so may alter the performance and intensity of the IDX-400 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**

Length.....	4.89" (12.4 cm)
Lamp Head Diameter.....	1.05" (2.67 cm)
Weight.....	2.72 oz (77 grams) (without battery)
Light Source.....	One (1) UV-A LED
Power Requirement.....	1 Rechargeable Lithium Ion Battery
Continuous Run Time.....	5 Hours
Power Input.....	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-400 Flashlight
- 2) Rechargeable Li-Ion Battery
- 3) 5V Power Adapter
- 4) USB C Charging Cable
- 5) Lanyard
- 6) O-ring (2)
- 7) Belt Holster
- 8) Storage Box

**CHARGING AND USE**

- The IDX-400 is shipped factory set at the specified intensity for optimal performance during inspections.
- Turn flashlight upside down and 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.
- Below the lamp head of flashlight is USB-C charging port, connect provided 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 IDX-400 has one switch (on and off) on rear of tail cap. Prior to using the unit, ensure that the switch is in the off position (no light illuminating from the flashlight). Press the switch once for UV Light, Instant-on operation ensures that the lights will reach full intensity immediately. Check to see if the unit is operating optimally and press switch to turn flashlight off.

## **UV INTENSITY VERIFICATION**

To ensure that your IDX-400 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 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.

## **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 partially charged for best results.
- Store 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.
- Lithium-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.

## **WARRANTY**

The warranty policy for the IDX-400 is provided on the Certificate of Limited Warranty enclosed separately with each unit. The serial number is located below the indicator light on the lamp head and the part number is located in the center of the flashlight.