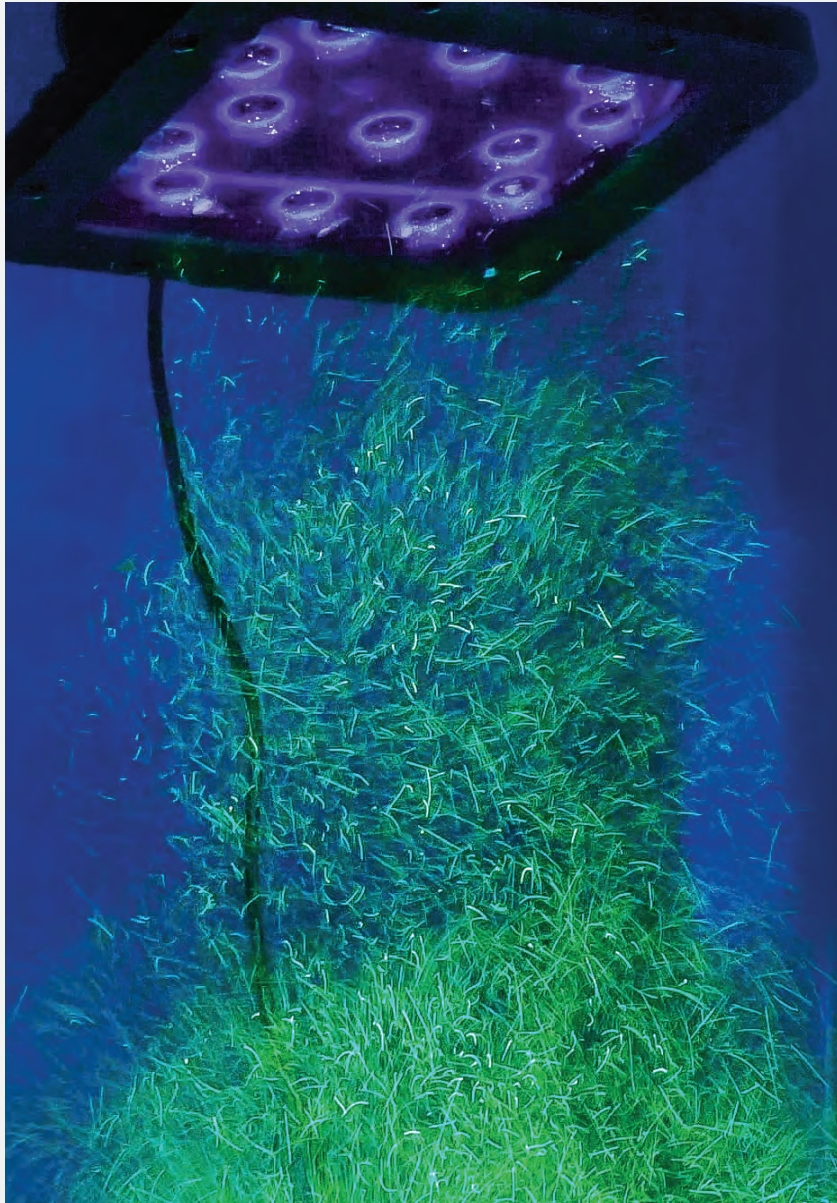


NDT Product Catalog



**Exposing the
Invisible.
Ensuring the
Integrity.**

**UV BLACKLIGHT INSPECTION
EQUIPMENT & RADIOMETERS**

SPECTRO-UV[®]

Spectro-UV®: Where Safety Meets Innovation

Making the World Safer, One UV Solution at a Time

For over 50 years, Spectro-UV has been the trusted name in safety-critical industries. We don't just manufacture UV equipment; we create the precision tools that reveal hidden dangers before they become disasters. From detecting microscopic cracks in critical welds to ensuring the structural integrity of bridges, pipelines and manufacturing components, our solutions help professionals see what the naked eye cannot - protecting communities, workers and assets worldwide.

Built for the Most Demanding Environments

Our ultraviolet solutions illuminate truth in the darkest corners of industrial inspection. From the flight deck of a military aircraft to the depths of an oil pipeline, Spectro-UV equipment performs when failure is not an option. Every product reflects our uncompromising standards: reliable, precise and engineered to excel in the world's most challenging environments.

Industry Leadership You Can Trust

Global Standards, Local Support

- ASTM E3022-18 and EN ISO:3059 Compliant
- Rolls-Royce RRES 90061 certified
- AMS 2647 and CEN/TR 16638 approved
- ANSI and NIST traceable radiometers

Industries Where Safety Can't Be Compromised:

- Aerospace & Defense - Protecting lives at 30,000 feet
- Oil & Gas - Safeguarding critical energy infrastructure
- Transportation & Railway - Keeping the world moving safely
- Manufacturing & Fabrication - Ensuring structural integrity
- NDT Inspection Services - Empowering professional inspectors worldwide

Innovation with Purpose

We don't innovate for innovation's sake. Every breakthrough UV solution we develop solves real-world challenges and anticipates tomorrow's safety needs. Our team of experts combines decades of UV science expertise with fresh thinking, keeping us at the forefront of non-destructive testing technology.

Your Safety is Our Mission

At Spectro-UV, we understand that every inspection is a guardian moment; a chance to prevent tragedy before it strikes. Whether you're detecting surface cracks that could lead to structural failure or ensuring the integrity of critical welds, our equipment gives you the confidence to make decisions that save lives and protect what matters most.

Quality Without Compromise

- ISO 17025 accredited testing and calibration
- Rigorous quality control at every manufacturing stage
- Comprehensive validation and certification documentation
- Ongoing technical support from UV experts

Partnership Beyond Products

We don't just sell equipment, we build lasting partnerships. Our customer commitment means responsive support, tailored solutions and technical expertise to help you succeed in your critical work. When you choose Spectro-UV, you're choosing a partner who understands that your success directly impacts global safety.

Setting the standard in NDT inspection equipment because when it comes to safety, there is no room for compromise.

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AccuMAX™

Advanced Digital Radiometer/Photometer Kit

The MOST advanced, microprocessor-controlled readout system.

The **AccuMAX™ XRP-3000** is compact, lightweight and battery-operated for convenient use in the factory, field or any other location where measurements need to be taken. Measures both ultraviolet and visible light. Complies with ASTM specifications for MPI and FPI and the ASTM 2297 standard. Specially engineered for NDT applications.

Key Features

- Microprocessor-controlled readout unit with dual-wavelength sensor detector
- Superior bandpass interference filter
- Choice of direct or USB connection between sensor detector and readout unit
- Excellent cosine response
- Sealed sensor housing and USB connection with water-resistant adapter
- Large LCD screen - 4-digit autoranging display
- Rugged meter for better grip and to help prevent accidental breakage



Direct Connect



USB Cable Connect

Part Number	ASTM E3022	ASTM E2297	Irradiance Range- UV-A Sensor	Irradiance Range - Visible Sensor	Power Source	Overall Accuracy
XRP-3000A	X	X	0-100 mW/cm²	0-5,300 lux (0-500 fc)	2 - 9V alkaline batteries	< ±5% with reference to NIST standards
XRP-3000			0-100 mW/cm²	0-5,300 lux (0-500 fc)	2 - 9V alkaline batteries	< ±5% with reference to NIST standards

MULTILINGUAL - includes more languages. User-selectable, multilingual display settings at any operational level. Choose from English, French, German and Spanish.



AccuMAX™

Advanced Digital Radiometer/Photometer Kit

AccuMAX™ XS-555/L Luminance Sensor Detector

The perfect accessory for the AccuMAX Series meter. Ideal for technicians performing radiographic examinations. Meets ASTM E1742 standard.

The AccuMAX XS-555/L luminance sensor detector measures the brightness of a visible light source and, unlike many competitive units, allows the user the choice of displaying the results in three distinct units of measure: candelas per square meter (cd/m²), candelas per square foot (cd/ft²) and footlamberts (fL).

XS-555/L Dimensions

Height	3.2 in (8.1 cm)
Length	3.0 in (7.6 cm)
Width	2.1 in (5.3 cm)
Weight	6.4 oz (181 g)

Luminance Range

0 - 1,000,000 cd/m²
0 - 90,000 cd/ft²
0 - 285,000 fL



Part Number	ASTM E3022	ASTM E2297	Irradiance Range-UV-A Sensor	Irradiance Range - Visible Sensor	Power Source	Overall Accuracy
XR-1000			0-100 mW/cm²	0-5,300 lux (0-500 fc)	2 - 9V alkaline batteries	< ±5% with reference to NIST standards
XDS-1000			365 nm UV	555 nm Visible	2 - 9V alkaline batteries	< ±5% with reference to NIST standards
XDS-1000A	X	X	365 nm UV	555 nm Visible	2 - 9V alkaline batteries	< ±5% with reference to NIST standards



◀ XR-1000



The XDS-1000A features a smaller aperture (also referred to as a cap) compared to the model XDS-1000.

Designed to be paired with the XR-1000 AccuMAX Radiometer



◀ XDS-1000

XDS-1000A ▶

Additional Sensor Detectors:

Sensor Detectors are the perfect accessories for the AccuMAX™ Series Radiometer models XR-1000, XRP-3000 or XRP-3000A.

Ideal for technicians performing radiographic examinations. AccuMAX sensor detectors are designed to meet virtually any laboratory, life science or specialty UV applications. Available in 4 different wavelengths.

Part Number	Operating Range	Sensors
XS-254	230 to 280 nm	UV-C
XS-300	280 to 320 nm	UV-B
XS-365	320 to 420 nm	UV-A
XS-450	420 to 480 nm	Bilirubin



XRP-3000 Kit Includes:

Water-resistant USB cable with adapter
Rubber boot
Carrying case

XCB-100
XRB-100
XCC-100

AccuELITE™

Advanced Digital Radiometer/Photometer Kit

NEVER STOP MEASURING -
Revolutionary 24+ hour continuous operation eliminates costly downtime and missed critical readings



The **AccuELITE™ XP-3000** represents the pinnacle of radiometric precision, delivering unmatched accuracy and extended operation for demanding measurement environments. **With breakthrough 24-hour battery life and lightning-fast 5-10Hz response times, this instrument sets new standards for professional UV-A and visible light measurement.**

- **5 Times Faster real-time response (5-10Hz) for dynamic environments**
- **Lightning-fast measurements that keep pace with your fastest production lines**

When continuous, precision measurement is mission-critical, professionals choose **AccuELITE™ XP-3000** - the only radiometer engineered for true 24/7 industrial operations.

- **ZERO DOWNTIME DESIGN** - 24+ hour continuous operation
- **INDUSTRIAL-SPEED RESPONSE** - 5-10Hz real-time updates
- **MISSION-CRITICAL RELIABILITY** - Never miss measurements due to power loss
- **BUILT FOR PRODUCTION** - Perfect for high-speed, continuous manufacturing

Part Number	ASTM E3022	ASTM E2297	Irradiance Range- UV-A Sensor	Irradiance Range - Visible Sensor	Power Source	Overall Accuracy	Real-Time Response
XP-3000		X	0-100 mW/cm ²	0-5,382 lux (0-500 fc)	4 - rechargeable batteries	> ±5% with reference to NIST standards	5-10 Hz

AccuELITE™

Advanced Digital Radiometer/Photometer Kit

Premium Digital UV-A and Visible Light Measurement. Revolutionary performance for professional applications.



Key Features

- **Extended Operation:**
 - o Industry-leading **24-hour continuous battery life**
 - o Rechargeable battery system with onboard charging
 - o Never miss critical measurements due to power loss
- **Superior Real-Time Response:**
 - o Rapid 5-10 Hz measurement updates
 - o Instant readings for dynamic applications
 - o Perfect for fast-moving production environments
- **Professional-Grade Accuracy:**
 - o Better than $\pm 5\%$ accuracy (NIST traceable)
 - o Superior band-pass interference filter
 - o Excellent cosine response for reliable measurements
 - o 40-watt models: Enameled sheet metal housing
- **User-Focused Design:**
 - o 4-digit auto-ranging display with backlit LCD
 - o One-touch PEAK function with reset
 - o User-defined power saving settings
 - o Intuitive operation for all skill levels



MULTILINGUAL - includes more languages. User-selectable, multilingual display settings at any operational level. Choose from English, French, German and Spanish.





AccuPRO™

Digital Radiometer/Photometers

The **AccuPRO™ XP-2000** readout unit features a single dual-wavelength sensor designed to measure both ultraviolet and visible light, and is compliant with ASTM 2297.

The **AccuPRO™ Plus XP-4000** features a single 3-in-1 multi-purpose sensor that measures ultraviolet, visible and blue light.

UV-A LIGHT	VISIBLE LIGHT	BLUE LIGHT
XP-2000	XP-2000	—
XP-4000	XP-4000	XP-4000



Key Features

- Accurate readouts for UV-A irradiance as well as visible illuminance
- Overall accuracy greater than $\pm 5\%$ per NIST standards
- Superior band-pass interference filter provides excellent cosine response
- One-touch PEAK with reset functions
- Three-button interface allows user to toggle between light measurement modes
- User-defined power save and automatic shutoff
- Multi-wavelength sealed sensor with water resistant housing directly attached to meter by 3 ft. (0.9 m) cord
- Convenient on-board recharging
- Powered by four (4) rechargeable "AAA" nickel-metal hydride batteries (included)
- Comes complete with AC charger and padded carrying case
- Large LCD screen - 4-digit autoranging display
- Rugged meter for better grip and to help prevent accidental breakage

Part Number	ASTM E3022	ASTM E2297	Irradiance Range- UV-A Sensor	Irradiance Range - Visible Sensor	Power Source	Overall Accuracy	Adaptors
XP-2000			0-100 mW/cm ²	0-5,382 lux (0-500 fc)	4 - rechargeable "AAA" batteries	< $\pm 5\%$ with reference to NIST standards	A/B, C/F, I, G, ASTM A/B
XP-2000A	X	X	0-100 mW/cm ²	0-5,382 lux (0-500 fc)	4 - rechargeable "AAA" batteries	< $\pm 5\%$ with reference to NIST standards	A/B, C/F, I, G, ASTM A/B
XP-4000			0-100 mW/cm ²	0-5,382 lux (0-500 fc)	4 - rechargeable "AAA" batteries	< $\pm 5\%$ with reference to NIST standards	A/B, C/F, I, G

MULTILINGUAL - includes more languages. User-selectable, multilingual display settings at any operational level. Choose from English, French, German and Spanish.



AccuPRO™

Digital Radiometer/Photometers

The AccuPRO™ meter features a dual wavelength UV/visible sensor, while the AccuPRO™ Plus (shown) features a 3-in-1 sensor that measures UV, visible and blue light.



Technical Features

Resolution	4-digit autoranging display 128 x 64 dot pixel chip on glass STN transmissive LCD 2.25 in (5.7 cm) diagonal illuminated (backlit)
Read Update	2 Hz
Overall Accuracy	Better than $\pm 5\%$ with reference to NIST standards
Temperature Coefficient	$\pm 0.025\%/^{\circ}\text{C}$ (0 to 50°C)
Power Requirement	Four "AAA" nickel-metal hydride batteries (rechargeable). AC charger included. <i>Available in 120V, 230V, 240V or 100V versions.</i>

Dimensions

Readout Unit - Length	6.0 in (15.2 cm)
Readout Unit - Width	3.0 in (7.6 cm)
Readout Unit - Thickness	1.0 in (2.5 cm)
Readout Unit - Weight	8 oz (227 g)
Sensor Detector - Length	3.0 in (7.6 cm)
Sensor Detector - Width	2.0 in (5.1 cm)
Sensor Detector - Thickness	0.5 in (1.3 cm)
Sensor Detector - Weight	5.6 oz (159 g)
Spectral Range - UV-A Sensor	320 - 400 nm
Spectral Range - Visible Sensor	460 - 675 nm
Spectral Range - Blue Light Sensor	410 - 475 nm (XP-4000 only)

XP-2000 AccuPRO™ Dual Sensor (UV-A/VIS)
Sensitive to UV and Visible Light

ASTM 2297
Compliant

Wavelength/Measurement Range

UV-A (365 nm) irradiance	0-100 mW/cm ²
Visible (555 nm) illuminance	0-5,382 Lux (0-500 fc)

XP-4000 AccuPRO™ Plus
3-in-1 Sensor (UV-A/VIS/Blue)

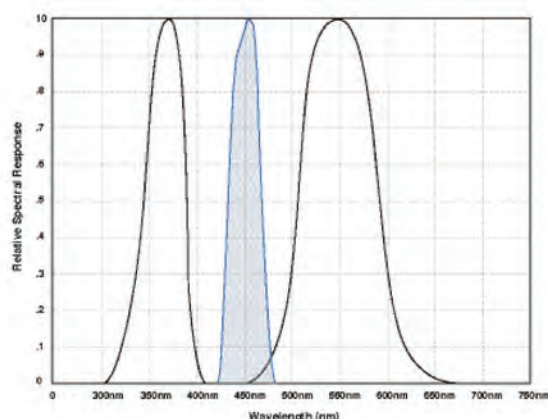
Sensitive to UV, Visible Light and Blue Light

Conforms to
CEN/TR 16638

ASTM 2297
Compliant

Wavelength/Measurement Range

UV-A (365 nm) irradiance	0-100 mW/cm ²
Visible (555 nm) illuminance	0-5,382 Lux (0-500 fc)
Blue (450 nm)	0-100 mW/cm ²





uVision™ 365 Series

NDT Inspection Lamps

The **uVision™ 365 Series** is Spectro-UV's innovative line of compact, broad-beam, handheld NDT lamps.

These lightweight, yet rugged lamps boast an IP65 rating, making them dust-tight and water-resistant. Using a state-of-the-art heat sink, the uVision is mechanically cooled without the need for fans. In addition to the three powerful UV-A (365 nm) LEDs, it has a convenient white light LED for illuminating work areas.

Compliant versions have embedded microprocessors to keep lamps within specifications. There are multiple power-source options as well.



Part Number	ASTM E3022	ISO 3059	RRES:90061	AIRBUS AITM6	PRATT & WHITNEY	Nominal Steady State UV-A Intensity at 15 in (38 cm)	UV-A Coverage at 15 in (38 cm) at minimum 1,200 $\mu\text{W}/\text{cm}^2$	Power Source	Run Time	White Light	Adaptors
UV-365SBLC	X	X	X	X	X	4,500 $\mu\text{W}/\text{cm}^2$	6 in (15 cm) $\emptyset$	AC Cord	—	Y	A/B, C/F, I, G, N, A/B & F w 20ft Cord
UV-365MSBLC*	X	X	X	X	X	4,500 $\mu\text{W}/\text{cm}^2$	6 in (15 cm) $\emptyset$	AC/DC (NiMH Battery)	3.5 hrs	Y	A/B, C/F, I, G, N, A/B & F w 20ft Cord
UV-365ZSBLC	X	X	X	X	X	< 5,000 $\mu\text{W}/\text{cm}^2$	6 in (15 cm) $\emptyset$	AC/DC (Li-ion Battery)	10 hrs	Y	A/B, C/F, I, G, N
UV-365HC	X					6,000 $\mu\text{W}/\text{cm}^2$	7 in (17.8 cm) $\emptyset$	AC Cord	—	Y	A/B, C/F, I, G, N, A/B & F w 20ft Cord
UV-365MHC	X					6,000 $\mu\text{W}/\text{cm}^2$	7 in (17.8 cm) $\emptyset$	AC/DC (NiMH Battery)	3.5 hrs	Y	A/B, C/F, I, G, N
UV-365ZHC	X					8,000 $\mu\text{W}/\text{cm}^2$	8.25 in (21 cm) $\emptyset$	AC/DC (Li-ion Battery)	7 hrs	Y	A/B, C/F, I, G, N
UV-365HCR	X					6,000 $\mu\text{W}/\text{cm}^2$	6.4 in (16 cm) $\emptyset$	AC Cord & Reel	—	Y	A/B, C/F, I, G, N
UV-365ES*						< 5,000 $\mu\text{W}/\text{cm}^2$	6 in (15 cm) $\emptyset$	AC Cord	—	Y	A/B, C/F, I, G, N, A/B & F w 20ft Cord
UV-365MEH						7,000 $\mu\text{W}/\text{cm}^2$	7 in (17.8 cm) $\emptyset$	AC/DC (NiMH Battery)	3.5 hrs	Y	A/B, C/F, I, G, N, A
UV-365EH						7,000 $\mu\text{W}/\text{cm}^2$	7 in (17.8 cm) $\emptyset$	AC Cord	—	Y	A/B, C/F, I, G
UV-365ZEH						9,000 $\mu\text{W}/\text{cm}^2$	7 in (17.8 cm) $\emptyset$	AC/DC (Li-ion Battery)	8 hrs	Y	A/B, C/F, I, G, N

* These versions are adjusted to ensure that they provide a maximum steady-state UV-A intensity of less than 5,000 $\mu\text{W}/\text{cm}^2$ at 15 in (38 cm)

Note: UV-A intensity reading taken with the Spectro-UV® AccuMAX™ Series meter, and is factory set to the value shown.

Each lamp is fitted with an 8-foot cord and the appropriate plug for the country of destination. An optional 20-foot cord is available. The "/20" suffix denotes the 20-foot power cord options.

uVision™ 365 Series

Compliant, IP Rated, Fanless LED UV-A Lamps



Specifications	Details		
Light Source	(3) UV-A LEDs, (1) white light LED		
Lamp Style	Pistol Grip		
Lamp Diameter Head	3.5 in (9 cm)		
Height	7.5 in (19 cm)	Z-Model	9.5 in (24.1 cm)
Width	3.5 in (9 cm)	Z-Model	3.75 in (9.5 cm)
Weight	1.9 lb (0.90 kg)	Z-Model	2.65 lb (1.2 kg)
White Light LED Intensity	400 foot-candles (4,306 lux)		
Power Requirements	100-120VAC / 12VDC	Also available in 230V & 240V	
External Battery Pack: M-Model Only	Type: 12V, NiMH (rechargeable) Run time: 3.5 hrs continuous Charge time: 2 hrs		
In-Handle Lithium Ion Battery: Z-Model Only	Type: 14.8V, Lithium Ion(rechargeable) Run time: ZSBL: 10 hrs ZHC: 7 hrs ZEH: 8 hrs Charge time: 4 hrs		

Key Features

- **Long-Lasting UV-A Lenses** - reduces the rate of solarization
- **3 UV-A LEDS** - for wide area of coverage
- **Thermal Cut-off Circuitry** - prevents lamp from going out of compliance when internal temperature exceeds specifications (*SBLC model only*)
- **Fanless Design** - Maintains optimum lamp temperature using state-of-the-art heat sinks
- **Integral UV-A Pass Filters** - reduces visible wavelengths
- **Sealed Control Switch** - Grip-mounted, three-way rocker switch (white light/off/UV)
- **Pistol Grip** - Comfortable, balanced control
- **Power/Battery Life Light** - indicates power level
- **White Light LED** - Use to locate surface flaws. *Deluxe models offer adjustable white light LED*



BASE MODEL

In-line A/C Cord

uVision 365:

UV-365EH or UV-365ES

uVision 365 Deluxe:

UV-365SBLC or UV-365HC



Z-MODEL

External Battery Pack

uVision 365:

UV-365ZEH

uVision 365 Deluxe:

UV-365ZSBLC or UV-365ZHC



M-MODEL

In-handle Battery

uVision 365:

UV-365MEH

uVision 365 Deluxe:

UV-365MSBLC or UV-365MHC



R-MODEL

Reel with 50-Foot Cord

uVision 365 Deluxe:

UV-365SBLCR or UV-365HCR





CLASSIC™ SERIES

LED UV-A Handheld Lamps

Classic Series consisting of 3 handheld LED lamps bridging the gap between the Vintage & uVision product lines. **ASTM E3022** Compliant with two available light configurations. The lamp handle is ergonomically designed and features a fan-less cooling system. The Classic Series lamps are ideal for fluorescent magnetic particle inspection, liquid penetrant testing and other specialized applications.

Features

- **Long-lasting UV-A lenses** - equipped with UV-A pass filter
- **Pistol Grip** - comfortable, balanced control
- **Anodized Aluminum Housing** - minimizes corrosion and stands up to years of heavy use
- **Rocker Switch** - easy on/off operation with rear rocker switch
- **Rubber Bumper** - protects LED's from damage

Part Number	ASTM E3022	ISO 3059	Airbus ATM6	Pratt & Whitney	Nominal Steady-State UV-A Intensity at 15 in (38 cm)	UV-A Coverage at 15 in (38 cm) at minimum 1,200 µW/cm²	Power Source	Light Source	Run Time/ Charge Time	White Light	Adapters
CLA-100	X				5,700 µW/cm²	6 in (15 cm) Ø	AC 9 Ft Corded	2 UV-A LED's & 1 White LED	--	Y	A/B, C/F
CLA-100Z	X				5,700 µW/cm²	6 in (15 cm) Ø	AC/DC (Li-ion Battery) Cordless	2 UV-A LED's & 1 White LED	7-8 hrs/ 2 hrs	Y	A/B, C/F, I, G, N, I w CCC Conf.
CLA-150	X				8,000µW/cm²	7.5 in (19 cm) Ø	AC 9 Ft Corded	4 UV-A LED's	--	N	A/B, C/F, I, G, N

Specifications	Value
Lamphead Diameter	4.4 in (11.18 cm)
Length	6.7 in (17 cm)
Width	3.4 in (8.6 cm)
Height	7.45 in (18.9 cm)
Power Requirements	90 - 270 VAC, 50 to 60 Hz



Vintage™ 365

Handheld LED UV-A Inspection Lamp

The **Vintage™ 365 SPN-VIN365** is a pistol-grip lamp, with an external design based on Spectro-UV's best-selling classic HID-bulb lamps. Although the housing of the lamp showcases a throw-back design, the internal hardware is comprised of modern LED UV-A technology. The Vintage™ operates two powerful UV-A LEDs, providing a wide, uniform beam. Its nominal steady-state intensity is 5,500 $\mu\text{W}/\text{cm}^2$ at 15 inches (38 cm). The coverage area encompasses a large 6 inch (15.2 cm) diameter at 15 inches (38 cm), with a minimum UV-A intensity of 1,200 $\mu\text{W}/\text{cm}^2$.



Features

- **2 Long-lasting LEDS Protected by Lenses** - Wide coverage, reduced rate of solarization
- **Classic Pistol Grip** - comfortable, balanced control
- **Control Switch** - grip-mounted, rocker switch for easy on/off operation
- **Wide Beam Profile**
- **Fanless Design**

Part Number	ASTM E3022	ISO 3059	Airbus AITM6 Pratt & Whitney	Nominal Steady-State UV-A Intensity at 15 in (38 cm)	UV-A Coverage at 15 in (38 cm) at minimum 1,200 $\mu\text{W}/\text{cm}^2$	Power Source	Light Source	White Light	Adaptors
SPN-VIN365		X		5,500 $\mu\text{W}/\text{cm}^2$	8 in (20 cm) Ø	AC Corded - Also available in 100-120V and 220-240V	2 UV-A LED's	N	A/B, C/F, I, G, N, I w. CCC Config.



CLASSIC DESIGN
MODERN TECHNOLOGY
ECONOMIC PRICE

TRITAN™ 365 SERIES

LED UV-A Handheld Lamps

TRITAN™ 365 SERIES NDT lamps are Spectro-UV's signature inspection lamps, and are used around the world for reliable inspections. TRITAN™ lamps feature three hi-lux UV-A (365 nm) LEDs for fluorescent inspection, plus a convenient white light LED to locate surface flaws and illuminate dark work areas. Their broad-beam configuration provides an extremely wide coverage area, while a compact head design allows access into areas inaccessible to larger UV inspection lamps.



Key Features

- **Three High-Flux UV-A LEDs (365 nm)** - Superior fluorescent inspection capability with broad-beam coverage
- **Integrated White Light LED** - 400 foot-candles for surface flaw detection and workspace illumination
- **Multiple Intensity Options** - Standard ($\leq 5,000 \mu\text{W}/\text{cm}^2$) and high intensity (up to $9,000 \mu\text{W}/\text{cm}^2$) configurations
- **Industry Standards** - Meets ASTM E3022, EN ISO 3059 and Rolls-Royce RRES 90061 specifications
- **Certificate of Conformance** - Validation report included with each lamp
- **Built-in Cooling System** - Integrated fan maintains optimal performance during extended use
- **Thermal Protection** - Cut-off circuitry prevents compliance issues from overheating on select models
- **Durable Construction** - Rubber bumper with Borosilicate glass lens protects LEDs
- **Flexible Power Options** - AC-powered and battery-operated models available
- **Extended Runtime** - Battery models provide 3.5 hours continuous operation

Part Number	ASTM E3022	ISO 3059	RRES:90061	AIRBUS AITW6	PRATT & WHITNEY	Nominal Steady-State UV-A Intensity at 15 in (38 cm)	UV-A Coverage at 15 in (38 cm) at minimum 1,200 $\mu\text{W}/\text{cm}^2$	Power Source	Run Time	White Light	Adaptors
TRI-365SBLC	X	X	X	X	X	4,500 $\mu\text{W}/\text{cm}^2$	5.5 in (14 cm) Ø	AC Cord	—	Y	A/B, C/F, I, G
TRI-365HC	X					8,000 $\mu\text{W}/\text{cm}^2$	6 in (15 cm) Ø	AC Cord	—	Y	A/B, C/F, I, G, A/B & F w 20 ft cord
TRI-365HB						9,000 $\mu\text{W}/\text{cm}^2$	6.5 in (16.5 cm) Ø	AC Cord	—	Y	A/B, C/F, I, G, A/B & F w 20 ft cord
TRI-365DB						4,750 $\mu\text{W}/\text{cm}^2$	5.5 in (14 cm) Ø	AC Cord	—	Y	A/B, C/F, I, G
TRI-365MDB						1,400 $\mu\text{W}/\text{cm}^2$	5.5 in (14 cm) Ø	AC/DC (NiMH Battery)	3.5 hrs	Y	A/B, C/F, I, G
TRI-365MHB						9,000 $\mu\text{W}/\text{cm}^2$	6.5 in (16.5 cm) Ø	AC/DC (NiMH Battery)	3.5 hrs	Y	A/B, C/F, I, G

TRITAN™ 365 SERIES

LED UV-A Handheld Lamps

Available in multiple configurations including standard intensity, high intensity and fully compliant versions, the **TRITAN™ 365 Series** meets rigorous international standards including ASTM E3022, EN ISO 3059 and Rolls-Royce RRES 90061. The series offers both AC-powered and portable battery-operated models to accommodate diverse inspection environments and operational requirements.



TRITAN™ 365 M-Series:

Portable, battery-operated AC/DC lamp kits. Includes UV-A lamp, rechargeable NiMH battery pack, power supply adapter with AC and DC cord sets, smart AC charger, UV-absorbing spectacles and padded carrying case



127955

Standard Faceplate



128196

Faceplate with Integral UV-A pass filters (*SBLC and HC models only*)

Specification	Details
Light Source	(3) UV-A LEDs, (1) white light LED
Lamp Style	Pistol Grip
Lamp Head Diameter	3.25 in (8.25 cm)
Height	8 in (20.3 cm)
Weight	1 lb (454 g)
White Light LED Intensity	400 foot-candles (4,306 lux)
Power Requirements	100-120VAC / 12VDC (Also available in 230 V & 240V Versions)
Battery Pack	Type: 12V, NiMH (rechargeable) Run time: 3.5 hours continuous Charge time: 2 hours
Cooling System	Built-in fan

EagleEye™ Series

LED UV-A Head Lamps



When accuracy matters and conditions are challenging, the **EagleEye™ Series** delivers uncompromising performance. From versatile handheld inspection to dedicated headlamp operation, our ASTM-certified LED technology provided the reliability and precision professionals demand. Engineered for real-world environments, built to exceed expectations.



The EagleEye™ Series UV-A headlamps feature built-in cooling systems that maintain consistent ASTM E3022-certified intensity, even during marathon inspection sessions. While some lamps run hot and fade, EagleEye stays cool and reliable.

Key Features

- **High-Performance UV-A technology**
- **Hands-Free Flexibility** - multiple mounting options available (Head strap, adjustable headband or magnetic spray can mount)
- **Versatile Operation Modes** - EagleEye II offers both UV-A and white light LED. Toggle switch control for instant mode switching where applicable.
- **Extended Runtime Performance** - EagleEye I runs up to 5 hours continuous and EagleEye II runs for 75 minutes continuously.
- **Rugged, Professional Construction** - lightweight design, dust-tight and water resistant



Part Number	ASTM E3022	Nominal Steady-State UV-A Intensity at 15 in (38 cm)	UV-A Coverage at 15 in (38 cm) at minimum 1,200 $\mu\text{W}/\text{cm}^2$	Power Source	Run Time	White Lights	Adaptors
EagleEye II EK-3000	X	4,500 $\mu\text{W}/\text{cm}^2$	5.5 in (14 cm)	Rechargeable Li-Ion Battery	75 min	Y	A/B, C/F, I
EagleEye I EEX-1000		15,000 $\mu\text{W}/\text{cm}^2$	4.5 in (11.4 cm)	Rechargeable Li-Ion Battery	5 hrs	N	A/B, C/F, I, G, N, I w/ CCC Configuration

EagleEye™ Series

LED UV-A Handheld Lamps



Technical Features	EEX-1000	EK-3000
Light Source	UV-A	2 UV-A LED's & 3 White LED's
Lamp Style	Cordless Lamp	Cordless Lamp
Length	11.8 in (30 cm)	3.75 in (9.5 cm)
Width	9.44 in (24 cm)	2.25 in (5.7 cm)
Height	4.3 in (11 cm)	1.85 in (4.7 cm)
Weight	8.4 oz (238 g) (with battery)	8 oz (227 g) (with battery)
Power Requirements	3.7C, 2.0 3000 mAh Li-Ion Battery (rechargeable)	One 3.7V 2200 mAh Li-Ion Battery (rechargeable)
Continuous Run Time	5 hours	75 minutes
Charge Time	4 hours	



EEX-1000 UV-A Headlamp
Two 18650 Rechargeable Li-Ion Batteries
Battery Charging Cable
UV-Absorbing Spectacles
Hard Carrying Case



EE-365 Dual Beam Lamp
Lamp Mount/Sprayer
Two Splash Guards
Two 18650 Rechargeable Li-Ion Batteries
Battery Charging Cable
UV-Absorbing Spectacles
Soft Carrying Case



SPRAY MOUNT CAN MOUNT

Attach lamp easily to ANY magnetic particle can, hold the yoke in the other hand!





EDGE™ SERIES

LED UV-A Panel Flood Lamps

Get an **EDGE** on your overhead inspections with our leading flood lamp series

The **EDGE™** Series represents the pinnacle of LED UV-A overhead lamp technology, specifically designed for NDT professionals who require reliable and rugged inspection solutions. Available in two specialized configurations - the **EDGE™ 13 Series** for large parts inspection and the **EDGE™ 4** for wash station applications - these IP65 rated panel lamps are dust-tight and protected against jets of water from all angles

Key Features

EDGE™ 13 SERIES - Large Parts Inspection

The EDGE™ 13 Series features 13 UV-A LEDs that provide extensive area coverage for demanding inspection applications. Available in three models (EDG-13SBLC, EDG-13T, and EDG-13HC), these lamps deliver nominal steady-state UV-A intensities ranging from 4,700 to 8,500 $\mu\text{W}/\text{cm}^2$ at 15 inches, with **coverage areas up to 16.5 x 17.25 inches at minimum 1,000 $\mu\text{W}/\text{cm}^2$** .

- **13 UV-A LEDs** provide large area of coverage
- **EASILY MOUNTABLE** for overhead inspection or in-line applications
- **FLEXIBLE ARM** for mounting at specific angles
- **GANGABLE** design allows multiple units to be connected for wider coverage
- **UV-A LENSES** virtually eliminate clouding/solarization
- **INTEGRAL UV-A PASS FILTERS** reduce output of wavelengths longer than 400 nm (SBLC model)
- **THERMAL CUT-OFF CIRCUITRY** prevents compliance issues when internal temperature exceeds specifications



Part Number	ASTM E3022	ISO 3059	RRES-90061	AIRBUS AITM6	PRATT & WHITNEY	Nominal Steady-State UV-A Intensity at 15 in (38 cm)	UV-A Coverage at 15 in (38 cm) at minimum 1,200 $\mu\text{W}/\text{cm}^2$	Power Source	Filter	White Light	Adaptors
EDG-13SBLC	X	X	X	X	X	4,700 $\mu\text{W}/\text{cm}^2$	14.5 x 13 in (37 x 33 cm)	AC power 100-240V 50/60Hz	13 UV-A LEDs	N	A/B, C/F, I, G, N, I w/ CCC Config.
EDG-13HC	X					8,500 $\mu\text{W}/\text{cm}^2$	16.5 X 17.25 in (41.9 X 43.8cm)	AC power 100-240V 50/60 Hz	13 UV-A LEDs	N	A/B, C/F, I, G, N, I w/ CCC Config.
EDG-13T						6,500 $\mu\text{W}/\text{cm}^2$	16 X 17 in (40.6 X 43.2cm)	AC Power 100-240V 50/60 Hz	13 UV-A LEDs	N	A/B, C/F, I, G, N, I w/ CCC Config.
EDG-4W						1,400 $\mu\text{W}/\text{cm}^2$ @ 48in. (122cm)	22 X 22 in (56 X 56cm)	AC Power 100-240V 50/60 Hz	4 UV-A LEDs	N	A/B, C/F, I, G, N, I w/ CCC Config.

EDGE™ SERIES

LED UV-A Overhead Wash Station Lamp



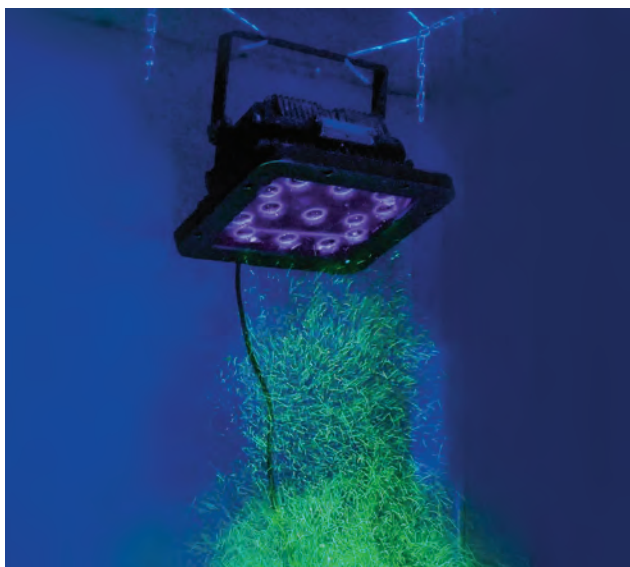
EDGE™ 4 - Wash Station Specialist

The EDGE™ 4 is engineered specifically for wash station environments, providing wide area coverage without excessive intensity. Four UV-A LEDs deliver a uniform beam that maintains consistency across various working distances, from 1,400 $\mu\text{W}/\text{cm}^2$ at 48 inches to 380 $\mu\text{W}/\text{cm}^2$ at 96 inches, with **coverage areas ranging from 22 x 22 inches to 25 x 25 inches at minimum 200 $\mu\text{W}/\text{cm}^2$.**

Universal Design Excellence

Both EDGE™ models share superior engineering characteristics:

- **FANLESS** cool running design using state-of-the-art heat sinks
- **IP65 RATED** housing protects against dust and water jets from all angles
- **Rugged construction** built for demanding industrial environments
- **TESTED TO COMPLY WITH ASTM E3022** Standard and EN ISO 3059 specifications
- **MEETS REQUIREMENTS** for Rolls-Royce RRES 90061 (13 Series)



Technical Features

Specifications	EDGE 13	EDGE 4
Light Source	(13) UV-A LEDs	(4) UV-A LEDs
Lamp Style	Panel flood lamp	Panel flood lamp
Dimensions (L x W x H)	11 x 14 x 9 in (28 x 36 x 23 cm)	11 x 14 x 9 in (28 x 36 x 23 cm)
Weight	14 lb (6.4 kg)	14 lb (6.4 kg)
Power Requirements	AC power (main AC power cord supplied with the unit. Also available in 100-120V, 230V and 240V versions)	AC power (main AC power cord supplied with the unit. Also available in 100-120V, 230V and 240V versions)
Cooling System	Fanless	Fanless

PowerMAX™

LED UV-A Panel Flood Lamps

PowerMAX™ 365 Series flood lamps feature a panel of powerful UV-A (365 nm) and Visible Light LED's specifically engineered for Nondestructive testing applications. These versatile, stationary light sources can be installed overhead, in line or ganged together with RP-CGPM-01 to provide an even wider range of coverage area. Ideal for NDT inspection booths, fluorescent penetrant and magnetic particle inspection, screening of fluorescent particles, wash station inspection and many other applications requiring maximum uniformity of UV-A coverage over a large area.



Key Features

- **Dual Light Capability** - Rocker switch easily toggles between UV-A and white light operation
- **High UV-A Intensity** - Nominal steady-state UV-A (365 nm) intensity of 6,500 $\mu\text{W}/\text{cm}^2$ at 15 inches (38 cm)
- **Electronic Intensity Control** - Adjustable light output from 15% to 100%, capable of adjusting down to 1,000 $\mu\text{W}/\text{cm}^2$
- **Low Visible Light Emission** - Less than 0.5 foot-candle (2.2 lux) for optimal fluorescent inspection
- **Integral UV-A Pass Filters** - Reduce visible wavelengths for enhanced inspection quality
- **Rugged Aluminum Housing** - Built for use in the most demanding industrial environments
- **Versatile Mounting Options** - Mountable for overhead inspection or in-line applications
- **Long-Lasting LED Technology** - Durable UV-A and white LEDs for extended service life
- **ASTM E3022 Compliant** - Tested to comply with industry standards
- **Wide Voltage Range** - Compatible with 100V-264V, 50-60 Hz power supply (varies by model)
- **Complete Kit** - Comes with power cord, chain and hooks for immediate installation

Part Number	ASTM E3022	ISO 3059	RRES-90061	AIRBUS AITM6	PRATT & WHITNEY	Nominal Steady-State UV-A Intensity at 15 in (38 cm)	UV-A Coverage at 15 in (38 cm) at minimum 1,200 $\mu\text{W}/\text{cm}^2$	Power Source	Filter	White Light	Adaptors
PM-8B	X					0 to 6,500 $\mu\text{W}/\text{cm}^2$	10 X 16 in (25.4 X 40.64cm)	AC power 100-240V 50/60 Hz	8 UV-A LEDs & 2 White LEDs	Y	A/B, C/F, I, G, N, I w CCC Config.
PM-16B	X					0 to 8,500 $\mu\text{W}/\text{cm}^2$	18 X 17 in (45 X 43cm)	AC power 100-240V 50/60 Hz	16 UV-A LEDs & 4 White LEDs	Y	A/B, C/F, I, G, N, I w CCC Config.

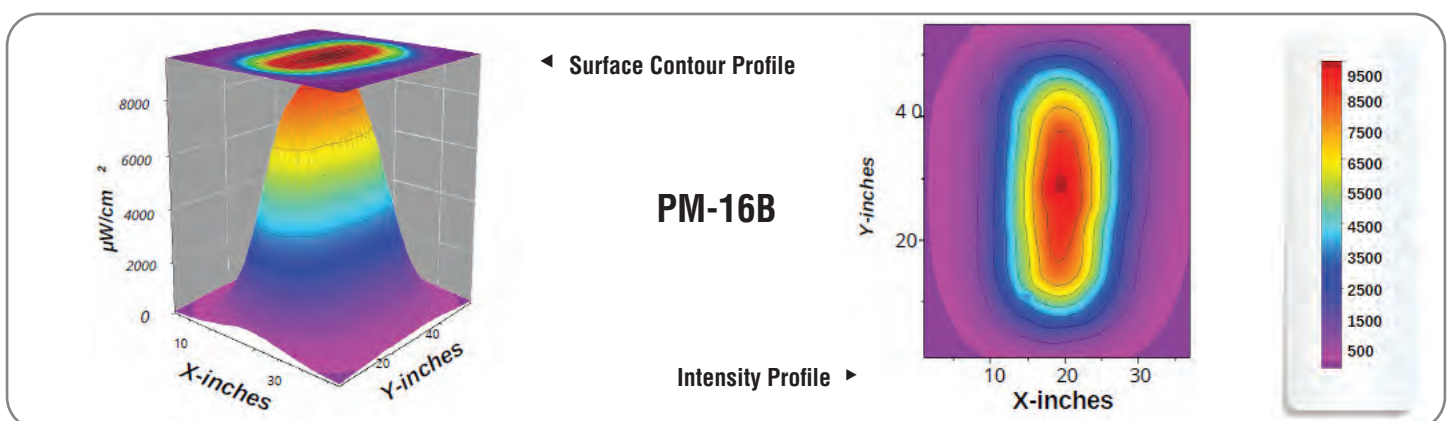
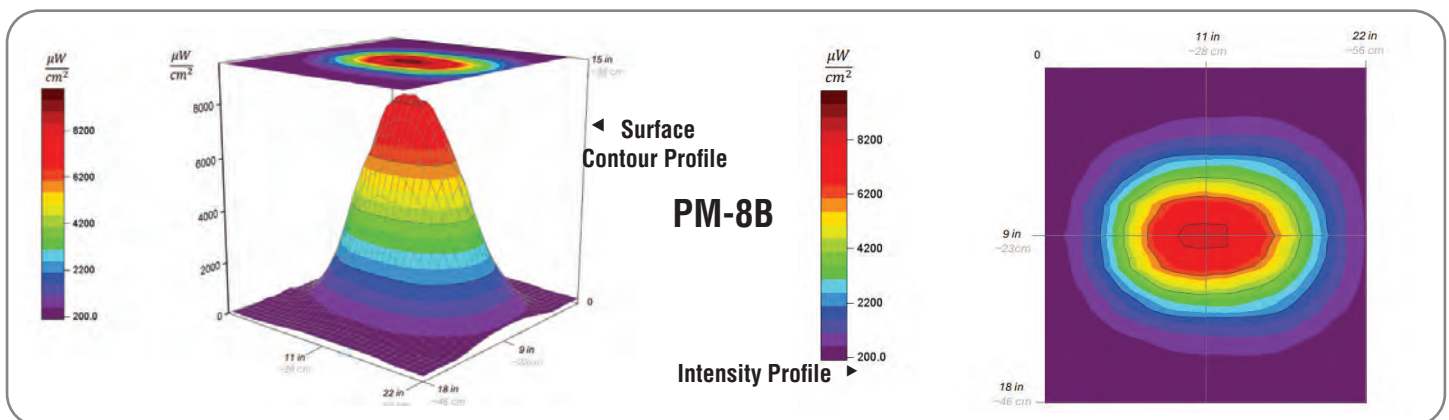


PowerMAX™

LED UV-A Panel Flood Lamps



Specification	PM-16B	PM-8B
Light Source	16 UV-A LED's & 4 White LED's	8 UV-A LED's & 2 White LED's
Lamp Style	Panel Flood Lamp	Panel Flood Lamp
Length	19.1 in (48.5 cm)	10 in. (25.4 cm)
Width	6.7 in (17 cm)	8 in (20.32 cm)
Height	3.94 in (10 cm)	5 in (12.7 cm)
Weight	16.5 lb (7.5 kg)	8.9 lb (4 kg)
Intensity Control	From 15% - 100%	From 15% - 100%
Power Requirements	100V - 264V, 50-60 Hz	100V - 120V, 50-60 Hz
White Light Intensity	>325 foot-candle (>3500 Lux)	>325 foot-candle (>3500 Lux)
Visible Light Measurement	<1 foot-candle (<10 lux)	<1 foot-candle (<10 lux)



CLARITY™ 365 SERIES

LED UV-A Inspection Flashlights



The **CLARITY™ 365 SERIES** is the highest quality, longest running, COMPLIANT LED UV-A flashlight in the world! The IP68-rating means that it can withstand continuous immersion in one meter of water, making it ideal for rough environments. The 9-hour battery life is enough for a full work shift, making it the longest-running NDT flashlight on the market. Standing up to strict NDT standards, this product provides all of the top features including an induction charging base (lithium-ion versions).

**Key Features**

- **Longest battery life on the market** - 9 hours continuous run time
- **Dual Power Options** - Available in both Lithium-Ion rechargeable and Alkaline battery models
- **Wireless induction charging (Lithium-Ion models only)** - Induction charger kit included
- **ASTM E3022 Standard Compliant** - meeting industry requirements for UV-A inspection
- **Choose Your Intensity Level** - Available in High Intensity Models: 6,500 $\mu\text{W}/\text{cm}^2$ at 15 inches and Standard Intensity Models: 4,500 $\mu\text{W}/\text{cm}^2$ at 15 inches
- **Built for Harsh Environments** - IP68 Rated - Water-proof, Dust-Proof
- **Auto Shut-Off** - Keeps intensity above minimum output

Part Number	ASTM E3022	ISO 3059	RRES-90061	AIRBUS AITM6	PRATT & WHITNEY	Nominal Steady-State UV-A Intensity at 15 in (38 cm)	UV-A Coverage at 15 in (38 cm) at minimum 1,200 $\mu\text{W}/\text{cm}^2$	Power Source	Run Time	White Light	Adaptors
SPN-CLR365-HC	X					6,500 $\mu\text{W}/\text{cm}^2$	3.25 in (8.3 cm) Ø	AC/DC (Li-ion Battery)	9 hrs	N	A/B, C/F, I, G
SPN-CLR-BHA	X					6,500 $\mu\text{W}/\text{cm}^2$	3.25 in (8.3 cm) Ø	Alkaline Battery	9 hrs	N	A/B
SPN-CLR365-SC	X	X				4,500 $\mu\text{W}/\text{cm}^2$	4 in (10.2cm) Ø	AC/DC (Li-ion Battery)	9 hrs	N	A/B, C/F, I, G
SPN-CLR-BA	X	X				4,500 $\mu\text{W}/\text{cm}^2$	4 in (10.2cm) Ø	Alkaline Battery	9 hrs	N	A/B

CLARITY™ 365 SERIES

LED UV-A Inspection Flashlights

When every second of inspection time matters, the last thing you need is a dying flashlight. Enter the **Clarity UV-A** Flashlight - with the battery life that outshines everything else on the market.



Specification	SPN-CLR365-HC & SPN-CL365-SC	SPN-CLR-BHA & SPN-CLR-BA
Light Source	(1) UV-A LED	(1) UV-A LED
Lamp Style	Cordless flashlight	Cordless flashlight
Battery	Lithium-Ion Rechargeable	Alkaline Battery (3 C-cells)
Lamp Head Diameter	1 in (2.6 cm)	1.75 in (4.5 cm)
Length	7 in (17.8 cm)	8.75 in (22.2 cm)
Weight	0.8 lbs (363 g) with battery	1.2 lbs (544.3 g)
Run Time	9 hours (continuous)	9 hours (continuous)
Charge Time	6 hrs	N/A
The image shows the contents of two kits. The left kit (SPN-CLR365-HC & SPN-CL365-SC) includes a flashlight, a carrying case, a belt holster, UV-absorbing spectacles, and a power cord. The right kit (SPN-CLR-BHA & SPN-CLR-BA) includes a flashlight, a carrying case, a belt holster, UV-absorbing spectacles, and three C-cell batteries.		
Kit Includes	Flashlight with battery, induction charging dock, AC power cord, USB power cord, belt holster, UV-absorbing spectacles all in a carrying case	Flashlight with 3 C-cell batteries, belt holster, UV-absorbing spectacles and a carrying case



NANO 365 SERIES

Rechargeable LED UV-A Flashlights

Portable UV Inspection in Your Pocket

The **NANO 365 lineup** offers entry-level UV flashlights perfect for basic inspection requirements while remaining budget-friendly. Our seven models provide options ranging from basic to advanced inspection capabilities.



Key Features

- **Pocket-sized Design** - Enables UV inspection in tight spaces and confined areas where larger equipment won't fit
- **Entry-level Pricing** - Budget-conscious solution without compromising inspection performance for cost-sensitive applications
- **Wide Intensity Range (1,200 - 33,000 $\mu\text{W}/\text{cm}^2$)** - Seven models provide options from basic viewing to high-intensity detection for various inspection requirements
- **Multiple Power Options** - Rechargeable Li-Ion and AA battery models offer flexibility for different operational preferences and environments
- **Extended Runtime Options** - Up to 5 hours continuous operation minimizes interruptions during lengthy inspection procedures
- **Multi-Mode Functionality** - White light option (IDX-300) provides versatility for general illumination and UV inspection in one device
- **Water Resistance** - Dust tight, water resistant and IPX8 ratings protect against harsh field conditions
- **Variable Beam Profiles** - Coverage area from 3.9" to 7.5" diameter accommodate different surface areas

Part Number	ASTM E3022	ISO 3059	RRES-90061	AIRBUS AIT16	PRATT & WHITNEY	Nominal Steady-State UV-A Intensity at 15 in (38 cm)	UV-A Coverage at 15 in (38 cm) at minimum 1,200 $\mu\text{W}/\text{cm}^2$	Power Source	Run Time	White Light	Adaptors
IDX-350						8,000 $\mu\text{W}/\text{cm}^2$	6 in (15.24 cm) Ø	AC/DC (Li-ion Battery)	2.5 hrs	N	A/B, C/F
IDX-400						15,000 $\mu\text{W}/\text{cm}^2$	4.3 in (11 cm) Ø	AC/DC (Li-ion Battery)	5 hrs	N	A/B, C/F
IDX-500						33,000 $\mu\text{W}/\text{cm}^2$	3.9 in (10 cm) Ø	AC/DC (Li-ion Battery)	3 hrs	N	A/B, C/F
IDX-550	X					9,000 $\mu\text{W}/\text{cm}^2$	5.1 in (13 cm) Ø	AC/DC (Li-ion Battery)	2.5 hrs	N	A/B, C/F, I, G

NANO 365 SERIES

Rechargeable LED UV-A Flashlights

Part Number		Standard Kit Contents	
IDX-350		IDX-350 Flashlight Rechargeable Li-Ion Battery 5V Power Adapter	USB Charging Cable Lanyard Belt Holster
IDX-400		IDX-400 Flashlight Rechargeable Li-Ion Battery 5V Power Adapter USB Charging Cable	Lanyard (2) O-Ring Belt Holster Storage Box
IDX-500		IDX-500 Flashlight Rechargeable Li-Ion Battery 5V Power Adapter USB Charging Cable	Lanyard (2) O-Ring Belt Holster Storage Box UV Absorbing Spectacles
IDX-550		IDX-550 Flashlight Rechargeable Li-Ion Battery 5V Power Adapter USB Charging Cable	Lanyard Safety Glasses (w/protective bag) Belt Holster Storage Box

Specifications	IDX-350	IDX-400	IDX-500	IDX-550
Light Source	1 UV Black filter LED	1 UV-A LED	1 UV-A LED	1 UV-A LED
Lamp Style	Cordless	Cordless	Cordless	Cordless
Lamp Head Diameter	1 in (2.4 cm)	1.05 in (2.67 cm)	1.6 in (4.0 cm)	1.77 in (4.5 cm)
Length	5 in (12.5 cm)	4.89 in (12.4 cm)	6.25 in (15.9 cm)	6.25 in (15.9 cm)
Weight (w/o battery)	.15 lb (70 g)	2.72 oz (77 g)	6.84 oz (194 g)	6.84 oz (194 g)
Power Requirements	Li-Ion Battery	Li-Ion Battery	1 rechargeable Li-Ion Battery	Li-Ion Battery

OPTI-LUX™ 365 Series

LED UV-A Inspection Flashlights



OPTI-LUX™ 365 Series inspection flashlights feature a powerful UV-A (365 nm) LED light source coupled with a rugged anodized lamp body.

They reduce user fatigue while providing an extremely uniform beam profile that surpasses those of more expensive lamps. Available in four models to suit your specific NDT needs: high-intensity or standard-intensity versions, each with or without an internal UV-A pass filter. Comes with a Certificate of Light Output for both wavelength and output measurements.

Key Features

- **Anodized Aluminum Body** - Minimizes corrosion and stands up to years of heavy use
- **Instant-On Operation** - No warm-up time required, immediate UV-A output for faster inspections
- **Bright & Uniform Beams** - Consistent light distribution for reliable fluorescent indication detection
- **Small Space Design** - Compact 5.9" length allows inspection in tight, confined areas
- **One-Handed Operation** - Convenient on/off switch enables easy single-handed use during inspections
- **Rechargeable Battery System** - 4-hour continuous runtime with quick 4-hour recharge eliminates disposable battery costs
- **Lightweight Construction** - Only 4.6 oz with battery reduces user fatigue during extended use
- **High UV-A Intensity** - Up to 10,000 $\mu\text{W}/\text{cm}^2$ output at 15 inches ensures strong fluorescent response
- **Multiple Model Options** - 4 different configurations with varying intensities and filters to match specific application needs
- **Certificate of Light Output** - Factory calibration documentation ensures consistent, traceable performance
- **Cordless Design** - No power cords to restrict movement or create trip hazards in work areas

Part Number	Nominal Steady-State UV-A Intensity at 15 in (38 cm)	UV-A Coverage at 15 in (38 cm) at minimum 1,200 $\mu\text{W}/\text{cm}^2$	Power Source	High Intensity	Standard Intensity	Clear Filter	Internal Back Light Filter	Run Time	White Light	Adaptors
OLX-365	10,000 $\mu\text{W}/\text{cm}^2$	2.25 in (5.7 cm) Ø	AC/DC (Li-ion Battery)	X		X		4 hrs	N	A/B, C/F, I, G
OLX-365B	10,000 $\mu\text{W}/\text{cm}^2$	2 in (5 cm) Ø	AC/DC (Li-ion Battery)	X			X	4 hrs	N	A/B, C/F, I, G
OLX-365FL	4,500 $\mu\text{W}/\text{cm}^2$	3 in (7.6 cm) Ø	AC/DC (Li-ion Battery)		X	X		4 hrs	N	A/B, C/F, I, G
OLX-365BFL	4,500 $\mu\text{W}/\text{cm}^2$	3 in (7.6 cm) Ø	AC/DC (Li-ion Battery)		X		X	4 hrs	N	A/B, C/F, I, G

Specification	Details
Light Source	UV-A LED
Lamp Style	Cordless Flashlight
Lamp Head Diameter	1.25 in (3.2 cm)
Length	5.9 in (15 cm)
Power Requirements	One 3.7C 2200mA/Hr Li-Ion battery
Weight w/ battery	4.6 oz (130 g)
Charge Time	4 hrs (one or two batteries)



Kit Includes:

OPX-365 LED UV-A (365 nm) lamp with lanyard, two rechargeable batteries, smart charging cradle with AC and DC cord sets, UV-absorbing spectacles, belt holder and hard carrying case

OPTIMAX™ 365

LED UV-A Inspection Flashlight

The cordless **OPTIMAX™ 365 (OPX-365)** is ergonomic, compact and lightweight. It is designed to provide the ultimate freedom of movement during inspections. With an ultra-high-intensity output, it's our most powerful UV-A (365 nm) LED flashlight.

Specification	Details
Light Source	(1) UV-A LED
Lamp Style	Cordless Flashlight
Lamp Head Diameter	2 in (5.1 cm)
Length	8 in (20.3 cm)
Power Requirements	3.6V, 2.0Ah NiMH internal battery
Weight w/ battery	11.8 oz (335 g)
Charge Time	4 hrs



Key Features

- **Ultra-High UV-A Intensity (18,000 $\mu\text{W}/\text{cm}^2$)** - Strongest fluorescent response for detecting even faint indications in challenging conditions
- **Electronic Intensity Stabilizer** - Maintains consistent beam strength throughout battery life, ensuring reliable performance between charges
- **Anodized Aluminum Body** - Minimizes corrosion and withstands years of heavy field use
- **Instant-On Operation** - Reaches full power immediately with no warm-up delay for faster inspections
- **90-Minute Runtime** - Extended continuous operation reduces downtime and battery swapping during long inspection sessions
- **Rechargeable NiMH Battery** - Eliminates ongoing disposable battery costs and provides reliable power
- **Bright & Uniform Beam** - 3-inch diameter coverage area at 15 inches ensures consistent illumination across inspection surfaces



Rechargeable
NiMH Battery



Bright &
Uniform Beam



Instant-on
Operation



90 Minutes
Run Time

Part Number	Nominal Steady-State UV-A Intensity at 15 in (38 cm)	UV-A Coverage at 15 in (38 cm) at minimum 1,200 $\mu\text{W}/\text{cm}^2$	Visible Light Measurement	Power Source	Run Time	White Light	Adaptors
OPX-365	18,000 $\mu\text{W}/\text{cm}^2$	3 in (7.6cm) Ø	< 2 foot-candles (22 lux)	AC/DC (NiMH Battery)	1.5 hrs	Y	A/B, C/F, I, G



Kit Includes:

OPTIMAX 365 (365 nm) lamp, smart AC and DC chargers, UV-absorbing spectacles, belt holder and hard carrying case. AC charger available in 120V, 230V, 240V or 100V versions



VIVID™

Replacement Bulb

Transform your NDT inspection operations with the **VIVID™ UV-A LED** replacement bulbs—the smart upgrade from outdated mercury vapor HID technology. Engineered for professional non-destructive testing applications, these direct-replacement LED bulbs deliver superior performance while dramatically reducing operational costs and environmental impact.

Compatible with existing Spectro-UV® lamp fixtures including SB-100P, FC-100, BIB-150P, and BIB-150P/F series, the VIVID™ bulbs provide seamless integration with your current equipment investment.

**Key Features**

- **10x Longer Lifespan (50,000 hours)** - Eliminates frequent bulb replacements and reduces labor costs with 90% fewer bulb changes compared to 5,000-hour mercury vapor bulbs
- **Instant-On Operation** - Eliminates warm-up delays and increases productivity with immediate full-intensity UV-A output for uninterrupted NDT inspections
- **Superior Performance** - Delivers consistent 4,700 $\mu\text{W}/\text{cm}^2$ UV-A output at 15" with large, uniform 6.5" diameter beam coverage for reliable inspection results
- **50% Cooler Operation (109°F vs 225°F)** - Enhances workplace safety and comfort while reducing heat-related equipment stress and operator fatigue
- **Direct Replacement Compatibility** - Works seamlessly with existing Spectro-UV® fixtures (SB-100P, FC-100, BIB-150P series) to protect your equipment investment
- **Energy Efficient & Eco-Friendly** - Reduces electricity consumption and eliminates mercury waste disposal while supporting sustainable operations
- **Professional NDT Standards** - Meets standard wavelength and output specifications with minimal visible light emission (<1.0 foot-candle) for optimal fluorescent penetrant visibility
- **Patented Bulb-Saver™ Technology** - Maintains proper bulb alignment and extends lifespan through usage (included with BLE-LED-150 and 150/F models)
- **Flexible Voltage Options** - Available in 120V (BLE-LED-150) and 230V (BLE-LED-150/F) configurations for international compatibility

Part Number	Nominal Steady-State UV-A Intensity at 15 in (38 cm)	UV-A Coverage Area at 15 in (38 cm) at minimum 1,000 $\mu\text{W}/\text{cm}^2$	Visible Light Measurement
BLE-LED-100	4,700 $\mu\text{W}/\text{cm}^2$	6.5 in (16.5 cm) Diameter	<1 foot-candle (11 lux)
BLE-LED-150	4,700 $\mu\text{W}/\text{cm}^2$	6.5 in (16.5 cm) Diameter	<1 foot-candle (11 lux)
BLE-LED-150/F	4,700 $\mu\text{W}/\text{cm}^2$	6.5 in (16.5 cm) Diameter	<1 foot-candle (11 lux)

UV Protective Eye and Face Wear

Eye and Face Wear meet ANSI specifications and OSHA standards and protects against 99.9% of UV light.

Essential accessories for all NDT and UV work!



Key Features

- **Long-wearing comfort and UV protection** - Work confidently for extended periods without eye strain or fatigue, while ensuring your vision and eye health are protected from harmful UV radiation that could cause permanent damage
- **Eliminates “blue haze” interference** - Experience clearer, sharper vision that reduces errors and increases work accuracy, making it easier to identify defects, cracks or other critical details during UV inspection tasks
- **Meets ANSI Z87+, CE EN 166, U6 (Clear model only)** - Peace of mind knowing your safety equipment meets rigorous industry requirements, ensuring workplace compliance and reducing liability while providing reliable protection
- **Fits over eyeglasses** - Works seamlessly with your existing eyewear for convenient, hassle-free protection
- **Adjustable face shield design** - Comprehensive facial protection that's customized to your unique face shape, ensuring maximum coverage and comfort during intensive UV work while preventing gaps that could expose you to dangerous radiation



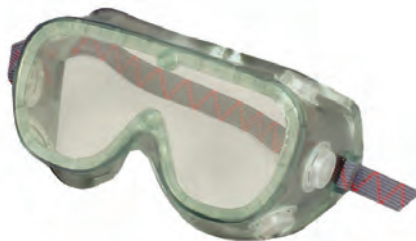
UVS-20



UVS-30



UVS-40



UVG-50



UVF-80 (color may vary)

SERVICE DEPARTMENT

Spectro-UV's Service Department is where excellence meets efficiency. Our dedicated in-house service team is committed to ensuring the optimal performance of your equipment. Spectro-UV offers a full suite of services on our entire catalog of Radiometers, Lamps and Flashlights. With a focus on speed, precision and customer satisfaction, we are your trusted partner in maintaining the peak performance of your UV light and radiometer equipment.

Spectro-UV's Service Department delivers excellence and efficiency through our dedicated in-house team. We provide comprehensive service for our complete range of radiometers, lamps, and flashlights, ensuring optimal equipment performance. With our commitment to speed, precision, and customer satisfaction, we're your trusted partner for maintaining peak UV light and radiometer performance.

Fast Turnaround Time:

Experience industry-leading service with our impressive 5-day turnaround time. Swift and reliable, our team prioritizes quick resolutions to minimize downtime for your equipment.

Recalibration of Radiometers:

Ensure accuracy and precision with our ANSI/NCSLZ & ISO recalibration services for your radiometers. Our skilled technicians use state-of-the-art equipment to recalibrate your devices, guaranteeing reliable measurements.

Lamp & Flashlight Repair Services:

Trust our experts to handle the repair of your UV lamps and flashlights with precision and care. From diagnosing issues to implementing effective solutions, our technicians are dedicated to extending the life of your UV lamps.

Comprehensive Inspection and Maintenance:

Preventative maintenance is key to sustaining optimal performance. Choose from our customizable inspection and maintenance packages to keep your equipment running smoothly.

Genuine Parts Replacement:

We maintain an extensive inventory of authentic Spectro-UV parts and accessories to ensure your equipment operates at manufacturer specifications. Using genuine components preserves warranty coverage, maintains performance integrity, and ensures compatibility with your existing systems. Our parts specialists can identify the exact components needed for optimal equipment performance.

Environmentally Friendly Practices:

We're committed to sustainable service practices through responsible component recycling, proper disposal of hazardous materials, and energy-efficient repair processes. Our ISO certified facility ensures environmental compliance while supporting your organization's sustainability goals. We refurbish and upgrade equipment to extend useful life and reduce waste.



RADIOMETER RECALIBRATION PROGRAM

Industry-Leading ISO/IEC 17025 Certified Calibration

Spectro-UV has been an ANSI/NCSL Z450-1 and ISO/IEC 17025 Certified Calibration Facility since 2018. This certification ensures our customers receive the highest level of service and accuracy for their equipment.

Enhanced Service Standards

- **Faster Turnaround** - Now offering 5 business day turnaround time guaranteed after receipt of product.
- **Certified Technical Expertise** - Our factory-trained and ISO- certified technicians perform all calibration procedures, ensuring the highest level of accuracy and adherence to international standards
- **Industry Compliance** - Adheres to ASTM recommendation of 6-month calibration cycles for all Radiometers
- **Comprehensive Assessment** - Each radiometer undergoes a thorough inspection upon arrival
- **Expert Functionality Verification** - Our technicians meticulously test each device's operational capabilities against Spectro-UV's rigorous standards
- **Precision Calibration Testing** - All radiometers undergo extensive calibration to guarantee accuracy and reliability back to the original manufacturer's standard
- **Calibration of ANY radiometer brand on the market**

The ISO/IEC 17025 Advantage

ISO 17025 Calibration provides significant benefits over standard ASTM Calibration:

- **Comprehensive Quality Assurance** - Encompasses not only calibration procedures but also verifies the competence of our laboratory through stringent quality management practices
- **International Recognition** - provides a globally accepted framework for measurement, accuracy and reliability
- **Continuous Improvement** - Our laboratory undergoes regular internal audits and management reviews, ensuring our calibration processes are constantly refined and enhanced

Trust Spectro-UV for certified calibration of your AccuMAX™ and AccuPRO™ meters, where precision and reliability are our highest priorities



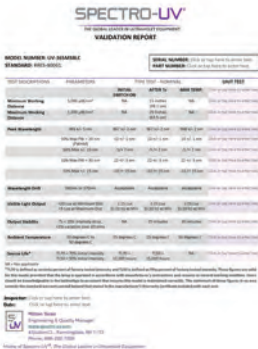


Industry Requirements

Sample Certificates of Conformance & Validation Reports

Our NDT inspection lamps come with unique Certificates of Conformance and Validation Reports, so end-users know that their lamps meet industry requirements and standards.

We stay one step ahead of industry trends and technological innovation to ensure you get the most rugged, comfortable and compliant lamps available today.



Rolls-Royce RRES 90061

Fully serialized Validation Reports provided with all RRES 90061 compliant lamps.

ASTM E3022-18

Certificates of Conformance as defined by ASTM E3022-18 standard for emission characteristics and requirements for LED UV-A lamps are supplied with each lamp.

EN ISO:3059 + Wavelength Compliance

Certificate of Light Output provided with each individual lamp with unique product serial number. These certify LED wavelength requirements and output measurements for each lamp at the factory.

Warranty

All equipment is warranted against defects in manufacture. Spectro-UV's obligation under this warranty is limited to repairing or replacing, at the option of Spectro-UV, any part(s) of the product which, if properly installed, used and maintained, proves upon factory examination to have been defective in materials or workmanship within 24 months from the date of delivery to the customer, including LEDs and BLE-LED bulb.

This warranty does not apply to any component which (1) is normally consumed in operation or (2) has a normal life inherently shorter than the warranty stated. For example, bulb, filters and rechargeable batteries are warranted for 30 days; the 100S/M-PQL bulb is warranted for 90 days. In addition, Spectro-UV does not warrant any instrument that has been subjected to misuse, negligence or accident, or has been repaired or altered by anyone other than Spectro-UV.

This warranty is in place of all other warranties of quality. There are no other warranties either oral, written, express, implied or statutory. IMPLIED WARRANTIES OF FITNESS FOR PURPOSE AND MERCHANTABILITY ARE EXCLUDED. This warranty and your remedies thereunder are solely as stated in this form. In no event shall Spectro-UV be liable for special, indirect, incidental or consequential damages, nor for any damages arising out of delay in shipment or production.



Spectro-UV reserves the right to alter product specifications without notice. Spectro-UV is under no obligation to make similar changes in its products previously produced.

Support

Reference Materials/ Customer Service

Product/Customer Service & Technical Assistance



Exceptional Service, Every Step of the Way

Our dedicated customer service team is here to ensure your complete satisfaction. Whether you have questions about products, need assistance with your order, or require support after your purchase, our knowledgeable representatives are ready to help. For complex technical questions, our experienced engineers provide expert guidance and solutions. We're committed to providing prompt, friendly service that exceeds your expectations. Contact us by phone (866-230-7305) or email (sales@spectro-uv.com); we're here when you need us.

TECHNICAL SPECS FOR UV-A LAMPS	 ASTM INTERNATIONAL	 ISO	 RRES	 AIRBUS	 Pratt & Whitney A United Technologies Company
Parameters	ASTM E3022-18	ISO 3059:2012	RRES 90061:2014	AITM6-1001 Issue 15	UV-A Inspection Requirements
Wavelength	360 to 370	365 ± 5	365 ± 5	365 ± 5	365 peak
FMHM (nm)	≤ 15	≤ 30	≤ 20 @ 50% OP ≤ 30 @ 10% OP	Per ASTM E3022	N/A
Intensity (μW/cm²) at 15"	≥ 2,000	Min: 1,000 Max: 5,000	Min: 1,200 Max: 5,000	Min: 1,200 Max: 5,000	Min: 1,000 Max: 5,000
Beam Profile	≥ 5-inch at ≥ 1,000 μW/cm²	N/A	Even irradiation	Per ASTM E3022	High uniformity
Visible light emission & Ambient visible light	≤ 21.5 lux	≤ 20 lux	≤ 5 lux at min WD ≤ 20 lux at max WD	Per ASTM E3022	≤ 20 lux
Electronic control					
Current Ripple:	Ripple < 5%		Ripple < 6%		Thermal Management EMC
Battery Shut off:	Intensity < 1,000	N/A	Current drop > 3%	Per ASTM E3022	
Temp cut off:	N/A		Over temp condition		
Report	Each Lamp + Lamp Model	N/A	Unit Test Validation Report	Per ASTM E3022	Per ASTM E3022

TYPE A - USA, MEXICO, CANADA & JAPAN	TYPE B - USA, MEXICO, CANADA & JAPAN	TYPE C - EUROPE, S. AMERICA & ASIA	TYPE F - EUROPE & RUSSIA	TYPE G - GBR, IRL, MLT, MAS & SIN	TYPE I - AUS, ARG, CHN & NZL	TYPE N - BRAZIL
						

**Unmatched in Quality.
See What Others
Miss.**



ASTM INTERNATIONAL



AIRBUS



Pratt & Whitney

A United Technologies Company

SPECTRO-UV[®]

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