

NDT

UV BLACKLIGHT INSPECTION EQUIPMENT & RADIOMETERS

- E3022-18
- EN ISO 3059
- RRES 90061
- AMS 2647
- CEN/TR 16638



UV-365SBLC



CLA-100Z



EDG-13HC



XRP-3000



EK-3000



SPN-CLR365-HC



ASTM INTERNATIONAL



- ✓ IP RATED & COMPLIANT LAMPS
- ✓ LED UV-A LAMPS & FLASHLIGHTS
- ✓ LED UV-A HEADLAMPS
- ✓ LED BLUE LIGHT FLASHLIGHTS
- ✓ OVERHEAD UV-A FLOOD LAMPS
- ✓ RADIOMETERS

Spectro-UV

Setting the standard in NDT inspection lamps.

NDT plays a crucial role in everyday life. We are proud to manufacture the highest quality medium and high-intensity compliant inspection lamps and products for use in liquid penetrant and magnetic particle NDT.

Meeting the Standard in NDT:

Many of Spectro-UV's products in this catalog are specifically engineered to meet ASTM E3022-18 and EN ISO:3059 standards. Additionally, we have developed many of our lamps to meet the strict requirements for RRES 90061 (Rolls-Royce), and to meet the regulations for safety in the Aerospace sector. Spectro-UV remains at the forefront of developing safe NDT products for MPI and LPI around the world.

Global Leaders:

For over 50 years our products have been the industry standard and fielded in hundreds of markets and applications that demand uncompromising quality and reliability. Spectro-UV's lamps and radiometers are widely used by technicians in the field around the globe – including the military and aerospace sectors, as well as transportation, oil and gas, mining, fabrication, NDT inspection shops, alternative energy, and more.

NDT INDUSTRIES



AEROSPACE



ALTERNATIVE
ENERGY



AUTOMOTIVE



FABRICATION



MILITARY



MINING



NDT INSPECTION
SHOPS



OIL & GAS



PIPELINE



TRANSPORTATION/
RAILWAY

Our ASTM and
Rolls-Royce compliant
inspection lamps are
unmatched in quality.



E3022-18

RRES
90061

AMS
2647

EN ISO
3059

CEN/TR
16638

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PROUD MEMBERS OF:



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

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



DIGITAL RADIOMETERS

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/m^2), candelas per square foot (cd/ft^2) and footlamberts (fL).



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/m^2
 0 - 90,000 cd/ft^2
 0 - 285,000 fL



Technical Features

Readout Unit (XR-1000)

Resolution	4-digit autoranging display
Screen	128 x 64 dot pixel chip on glass STN transmissive mono chromic LCD 2.25 in (5.7 cm) diagonal illuminated (backlit)
Sample Rate	7.5 Hz (single sensor) 15 Hz (dual sensor)
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 Requirements	Two non-rechargeable 9V alkaline battery cells are included as standard

Dimensions

Length	7.75 in (19.7 cm)
Width	4.25 in (10.8 cm)
Thickness	1.25 in (3.2 cm)
Weight	0.8 lb (360 g)

Dual UV-A/Visible Sensor Detector (XDS-1000)

Irradiance Range

UV-A Sensor	0-100 mW/cm^2 (0-100,000 $\mu\text{W}/\text{cm}^2$)
Visible Sensor	0-5,300 lux (0-500 fc)

Spectral Range

UV-A Sensor	320-400 nm
Visible Sensor	460-675 nm

Dimensions

Length	4.75 in (12.1 cm)
Width	2.0 in (5.1 cm)
Thickness	7/8 in (2.2 cm)
Weight	0.22 lb (100 g)
USB Cable (Length)	5 ft (1.5 m)



XRP-3000 Kit Includes:

Water-resistant USB cable with adapter	XCB-100
Rubber boot	XR8-100
Carrying case	XCC-100



AccuPRO™ SERIES

Digital Radiometer/Photometers

The **AccuPRO™ XP-2000** readout unit features a single dual-wavelength sensor detector 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.



KEY FEATURES:

- ▶ Overall accuracy greater than $\pm 5\%$ per NIST standards
- ▶ Superior band-pass interference filter provides excellent cosine response
- ▶ One-touch PEAK with reset functions
- ▶ User-defined power save and automatic shutoff
- ▶ Multi-wavelength sensor directly attached to meter by 3 ft (0.9 m) cord
- ▶ Convenient on-board recharging
- ▶ Powered by four rechargeable "AAA" nickel-metal hydride batteries (included)
- ▶ Comes complete with AC charger and padded carrying case

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

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



Technical Features

Readout Unit	
Resolution	4-digit autoranging display
Screen	128 x 64 dot pixel chip on glass STN transmissive monochrome 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 Requirements	Four "AAA" nickel-metal hydride batteries (rechargeable). AC charger included. Available in 120V, 230V, 240V or 100V versions.
Dimensions	
Length	6.0 in (15.2 cm)
Width	3.0 in (7.6 cm)
Thickness	1.0 in (2.5 cm)
Weight	8 oz (227 g)
Sensor Detector	
Length	3.0 in (7.6 cm)
Width	2.0 in (5.1 cm)
Thickness	0.5 in (1.3 cm)
Weight	5.6 oz (159 g)
Spectral Range	
UV-A Sensor	320-400 nm
Visible Sensor	460-675 nm
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/cm²
Visible (555 nm) Illuminance 0-5,382 Lux (0-500 fc)

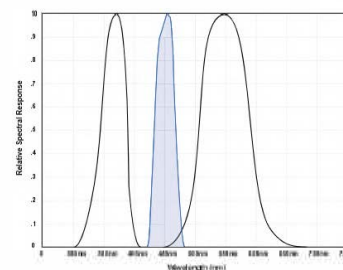
XP-4000 AccuPRO™ Plus
3-In-1 Sensor (UV-A/VIS/Blue)
Sensitive to UV, Visible and Blue Light

Conforms to
CEN/TR 16638
ASTM 2297
Compliant

Wavelength/Measurement Range
UV-A (365 nm) Irradiance 0-100 mW/cm²
Visible (555 nm) Illuminance 0-5,382 Lux (0-500 fc)
Blue (450 nm) 0-100 mW/cm²



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.



DM Series

Digital Radiometer

The **DM Series DM-365XA** Digital Radiometer is a compact, durable, lightweight and battery operated unit measuring UV-A light sources with overall accuracy of $\pm 5\%$ per NIST standards. Model **DM-365XA** is compliant with ASTM specifications for both Magnetic Particle Inspection (MPI) & Fluorescent Penetrant Inspection (FPI). **INCREASED ACCURACY FOR MORE REPEATABLE RESULTS!**



KEY FEATURES:

- ▶ Simple to use and operate
- ▶ Sealed sensor housing to eliminate light leakage and protect against shock and humidity
- ▶ Powered by two AA batteries (included) and contains built in battery level indicator
- ▶ Auto-zeroing capability
- ▶ Excellent linearity and cosine response

Readout Unit (DM-365XA)

Resolution	10 $\mu\text{W}/\text{cm}^2$
Screen	4½ digit, 7 segment, LED display 0.5 in (1.3 cm) high
Overall Accuracy	Better than $\pm 5\%$ with reference to NIST standards
Temperature Coefficient	$\pm 0.025\%/^{\circ}\text{C}$ (0 to 50°C)
Irradiance Range	0-19,900 $\mu\text{W}/\text{cm}^2$
Spectral Range	320-400 nm
Power Requirements	Two "AA" alkaline batteries (included)

Dimensions
























Length	7¼ in (18.4 cm)
Width	3.5 in (8.9 cm)
Thickness	2 in (5.1 cm)
Weight	1 lb (0.45 kg)

Spectro-UV is proud to be an **ISO/IEC 17025** Certified Calibration Facility since 2018. **ISO 17025** Calibration of Radiometers offers a distinct advantage over standard ASTM Calibration, providing a more comprehensive and internationally recognized framework for ensuring the accuracy and reliability of measurements.

		PERRY JOHNSON LABORATORY ACCREDITATION, INC.
<h3>Certificate of Accreditation</h3>		
<i>Perry Johnson Laboratory Accreditation, Inc. has assessed the Laboratory of:</i>		
Spectro-UV, LLC 4 Dubon Ct., Farmingdale, NY 11735		
<i>(Hereinafter called the Organization) and hereby declares that Organization is accredited in accordance with the recognized International Standard:</i>		
ISO/IEC 17025:2017		
<small>This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (as outlined by the Joint ISO/ILAC JAF Communiqué dated April 2017):</small>		
Calibration of Ultraviolet Light Meter and Visible Light Meter <i>(As detailed in the supplement)</i>		
<small>Accreditation claims for such testing and/or calibration services shall only be made from addresses referenced within this certificate. This Accreditation is granted subject to the system rules governing the Accreditation referred to above, and the Organization hereby covenants with the Accreditation body's duty to observe and comply with the said rules.</small>		
<small>For PJLA:</small>		
<small>Initial Accreditation Date:</small> October 6, 2018	<small>Issue Date:</small> March 14, 2023	<small>Expiration Date:</small> March 31, 2025
<small>Tracy Szostak</small> President	<small>Accreditation No.:</small> PJLA-001	<small>Certificate No.:</small> 1234567
<small>Perry Johnson Laboratory Accreditation, Inc. (PJLA) 753 W. Big Beaver, Suite 1325 Troy, Michigan 48064</small>		
<small>The validity of this certificate is maintained through ongoing assessments based on a continuous accreditation cycle. The validity of this certificate should be confirmed through the PJLA website: www.pjla.com</small>		
<small>Page 1 of 1</small>		

uVision™ 365 SERIES
Compliant, IP Rated, Fanless LED UV-A Lamps

The uVision™ 365 SERIES is Spectro-UV's innovative line of compact, broad-beam NDT handheld lamps. These lightweight yet rugged lamps boast an IP65 rating – they are dust-tight and water resistant. Using a state-of-the-art heat sink design, the uVision™ is mechanically cooled without the need for a fan. In addition to 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.

		UV-365SBLC	UV-365MSBLC*	UV-365HC	UV-365MHC	UV-365ZHC	UV-365ES*	UV-365EH	UV-365MEH	UV-365ZEH
TESTED TO COMPLY WITH	 NIST-Traceable RRES 90061 REQUIREMENTS									
	 ASTM E3022-15 STANDARD									
	 EN ISO 9059									
Nominal Steady-State UV-A Intensity at 15 in (38 cm)		4,500 µW/cm²		6,000 µW/cm²		8,000 µW/cm²	4,600 µW/cm²	7,000 µW/cm²		9,000 µW/cm²
UV-A Coverage Area at 15 in (38 cm) at minimum 1,000 µW/cm²		6 in (15 cm) Diameter		7 in (18 cm) Diameter		8.25 in (21 cm) Diameter	6.5 in (16.5 cm) Diameter	7 in (18 cm) Diameter		8 in (20.3 cm) Diameter
Filter/Facplate		Facplate with integral UV-A pass filters					Standard facplate			
Thermal Cut-Off Circuitry										
AC/DC Mobile Model										
Visible Light Measurement		< 1 foot-candles (11 lux)					< 2 foot-candles (22 lux)			

* These versions are adjusted to ensure that they provide a maximum steady-state UV-A intensity of less than 5,000 µW/cm² at 15 in (38 cm) 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 "Z" suffix denotes the 20-foot power cord options.

Technical Features		CE UK CA	
Light Source:	(3) UV-A LEDs, (1) white light LED	White Light LED Intensity:	400 foot-candles (4,306 lux)
Lamp Style:	Pistol grip	Power Requirements:	100-120VAC / 12VDC*
Lamp Head Diameter:	3.5 in (9 cm)	Battery Pack:	Type: 12V, NiMH (rechargeable) Run time: 3.5 hours continuous Charge time: 2 hours
Height:	7.5 in (19 cm)	* (Also available in 230V & 240V versions)	
Width:	3.5 in (8.9 cm)		
Weight:	1.9 lb (0.90 kg)		
Weight:	2.65 lb (1.2 kg) (Z model only)		

- ✓ Compliant Versions*
- IP65 RATED
- 🌧️ Dust-Tight & Water Resistant
- 🌀 Fanless & Cool Running
- 🔦 Wide, Even Beam Profile

uVision™ 365 DELUXE Models*

LONG-LASTING UV-A LENSES
Reduce the rate of solarization

3 UV-A LEDs
For wide area of coverage

Faceplate with INTEGRAL UV-A PASS FILTERS
Reduce visible wavelengths

ADJUSTABLE WHITE LIGHT LED
Use to locate surface flaws

SEALED CONTROL SWITCH
Grip-mounted, three-way rocker switch (white light/off/UV)

POWER/BATTERY LIFE LIGHT
Indicates power level

PISTOL GRIP
Comfortable, balanced control

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

uVision™ 365 ECONOMY Models

IP65 rated, compact, LED UV-A inspection lamps. Available in two different intensities. These cost-effective inspection lamps can be used in nondestructive evaluation, forensics, and security inspections.

- ▶ 3 UV-A LEDs for wide area of coverage
- ▶ WHITE LIGHT LED allows for scanning surface flaws (not adjustable)
- ▶ LONG-LASTING UV-A LENSES reduce the rate of solarization
- ▶ SEALED CONTROL SWITCH grip-mounted, three-way rocker switch (white light/off/UV)
- ▶ PISTOL GRIP comfortable, balanced control
- ▶ FANLESS DESIGN maintains optimum lamp temperature using state-of-the-art heat sinks

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. Classic Series lamps are ideal for fluorescent magnetic particle inspection, liquid penetrant testing and other specialized applications.

		CLA-100	CLA-100Z	CLA-150
TESTED TO COMPLY WITH MEETS SPECIFICATIONS	ASTM E3022-15 STANDARD	✓	✓	✓
	EN ISO 3059	✓	✓	✓
Nominal Steady-State UV-A Intensity at 15 in (38 cm)		5,700 µW/cm²	5,700 µW/cm²	7,000 µW/cm²
UV-A Coverage Area at 15 in (38 cm) at minimum 1,000 µW/cm²		6 in (15.2 cm) Diameter	6 in (15.2 cm) Diameter	7.5 in (19 cm) Diameter
Visible Light Measurement		>350 foot-candle	>350 foot-candle	
AC/DC Mobile Model		✗	✓	✗



* These versions are adjusted to ensure that they provide a maximum steady-state UV-A intensity of less than 5,000 µW/cm² at 15 in (38 cm) UV-A intensity reading taken with the SpectroUV® 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.

Technical Features

	CLA-100	CLA-100Z	CLA-150
Light Source:	2 UV-A LED'S & 1 White LED	2 UV-A LED'S & 1 White LED	4 UV-A LED's
Lamp Style:	Corded lamp	Cordless lamp	Corded Lamp
Lamphead Diameter:	4.4 in (11.18 cm)	4.4 in (11.18 cm)	4.4 in (11.18 cm)
Length:	6.7 in (17 cm)	6.7 in (17 cm)	6.7 in (17 cm)
Width:	3.4 in (8.6 cm)	3.4 in (8.6 cm)	3.4 in (8.6 cm)
Height:	7.45 in (18.9 cm)	7.45 in (18.9 cm)	7.45 in (18.9 cm)
Weight:	1.76 Lb (0.8 Kg)	2.05 Lb (930 g) (with internal battery)	2.05 (930 g)
Power Requirements:	90 - 270 VAC, 50 TO 60 Hz	90 - 270 VAC, 50 TO 60 Hz	90 - 270 VAC, 50 TO 60 Hz
Power Cord:	9 Foot	-	9 Foot
Run Time:	-	7 to 8 hours (continuous)	-
Charge Time:	-	2 hours	-



Dust Tight & Water Resistant



Fanless & Cool Running



Lightweight & Rugged



Instant-On Operation

ROCKER SWITCH

Easy on/off operation with rear Rocker switch

RUBBER BUMPER

Protects LED's from damage

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





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 $\mu\text{W}/\text{cm}^2$.

	SPN-VIN365
MEETS SPECIFICATION	EN ISO 3059
Nominal Steady-State UV-A Intensity at 15 in (38 cm)	5,500 $\mu\text{W}/\text{cm}^2$
UV-A Coverage Area at 15 in (38 cm) at minimum 1,000 $\mu\text{W}/\text{cm}^2$	7.5 in (19 cm) Diameter
Visible Light Measurement	< 1 foot-candles (< 11 lux)

Technical Features	
Light Source:	(2) UV-A (365 nm) LEDs
Lamp Style:	Pistol Grip
Dimensions (L x W x H):	7.1 x 5.0 x 9.5 in (18 x 12.7 x 24.1 cm)
Weight:	2.1 lbs (0.95 kg)
Power Requirements:	AC Power (main AC power cord supplied with the unit) *
Cooling System:	Fanless
* (Also available in 100-120V and 220-240V versions)	
UV-A intensity reading taken with the Spectro-UV® AccuMAX™ Series meter, and is factory set to the value shown.	

IMAGE	PART #	DESCRIPTION
	RP-FP-01	Filter assembly
	RP-L-01	Lens replacement set



Vintage Ergonomic Design



Cost Effective



Wide Beam Profile



Fanless Design



2 LONG-LASTING LEOS PROTECTED BY LENSES
Wide coverage, reduced rate of solarization

CONTROL SWITCH
Grip-mounted, rocker switch

CLASSIC PISTOL GRIP
Comfortable, balanced control



CLASSIC DESIGN
MODERN TECHNOLOGY
ECONOMIC PRICE

LED UV-A HANDHELD LAMPS



EagleEye™ SERIES
LED UV-A Head Lamps

Our exclusive line of palm sized portable, and hands-free inspection light sources. EagleEye™ Series models feature cool running, ultra-high intensity UV-A LED's and hands free mounting options including adjustable straps to be worn on a helmet or directly on head. EagleEye™ Series is perfect for a variety of specialized inspection applications.

		EE-365	EEX-1000
TESTED TO EXISTING STANDARD	ASTM E3022-15 STANDARD	✓	✓
	EN ISO 3059	✓	✗
Nominal Steady-State UV-A Intensity at 15 in (38 cm)		4,500 µW/cm²	15,000 µW/cm²
UV-A Coverage Area at 15 in (38 cm) at minimum 1,000 µW/cm²		5.5 in (14 cm) Diameter	4.5 in (11.4 cm) Diameter
Filter/Faceplate		Clear Filter	-
Visible Light Measurement		< 2 foot-candle (11 lux)	



*These versions are adjusted to ensure that they provide a maximum steady-state UV-A intensity of less than 5,000 µW/cm² at 15 in (38 cm)
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 "720" suffix denotes the 20-foot power cord options.

Technical Features

	EE-365	EEX-1000
Light Source:	2 UV-A LEDs & 3 White Light LEDs	UV-A
Lamp Style:	Cordless Lamp	Cordless Lamp
Length:	3.75 in (9.5 cm)	11.8 in (30 cm)
Width:	2.25 in (5.7 cm)	9.44 in (24 cm)
Height:	1.85 in (4.7 cm)	4.3 in (11 cm)
Weight:	8 oz (227 g) (with battery)	8.4 oz (238 g) (with battery)
Power Requirements:	One 3.7V, 3200mAh Lithium-Ion Battery (rechargeable)	3.7V, 2.0 3000 mAh Li-Ion Battery (rechargeable)
Continuous Run Time:	75 minutes	5 hours
Charge Time:	4 hours	4 hours

Ideal For:



Magnetic Particle
Inspection



Ship
Inspection



Oil & Gas
Inspection



ADJUSTABLE HEADBAND

Fit lamp directly onto operators head or
on an helmet for handsfree operation



LONG LASTING
UV-A LENSES

Faceplate with
INTEGRAL UV-A PASS FILTER
Reduce visible wavelengths

EE-365



SPRAY MOUNT CAN MOUNT

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

EDGE™ 13 SERIES
LED UV-A Panel Flood Lamps

Get an **EDGE** on your overhead inspections with our leading flood lamp series from Spectro-UV, the **EDGE™ 13 SERIES**. Designed specifically for NDT professionals who require a reliable and rugged overhead UV-A LED lamp for large parts inspection, these **IP65** rated panel lamps are dust-tight and protected against jets of water from all angles. Expand coverage by connecting lamps together via gang ports. Fanless cooling means fewer headaches. The only overhead NDT lamp series that has all of these features and comes in a RRES-90061 model.

		EDG-13SBLC	EDG-13T	EDG-13HC
TESTED TO COMPLY WITH	Rolls-Royce RRES 90061 REQUIREMENTS	✓	✗	✗
TESTED TO COMPLY WITH	ASTM E3022-15 STANDARD	✓	✗	✓
MEETS SPECIFICATIONS	EN ISO 3059	✓	✓	✓
Nominal Steady-State UV-A Intensity at 15 in (38 cm)		4,700 µW/cm²	6,500 µW/cm²	8,500 µW/cm²
UV-A Coverage Area at 15 in (38 cm) at minimum 1,000 µW/cm²		14 x 9.3 in (37 x 33 cm)	16 x 17 in (40.6 x 43.2 cm)	16.5 x 17.25 in (41.9 x 43.8 cm)
Filter		Integral UV-A pass filters	Clear filter	
Thermal Cut-Off Circuitry		✓	✗	
Visible Light Measurement		< 1 foot-candles (11 lux)		< 2 foot-candle (22 lux)

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



Technical Features

Light Source:	(13) UV-A LEDs	Weight:	14.1 (5.8 kg)
Lamp Style:	Panel flood lamp	Power Requirements:	AC power (main AC power cord supplied with the unit)*
Dimensions (L x W x H):	11 x 14 x 9 in (28 x 36 x 23 cm)	Cooling System:	Fanless

**(Also available in 100-120V, 230V and 240V versions)*

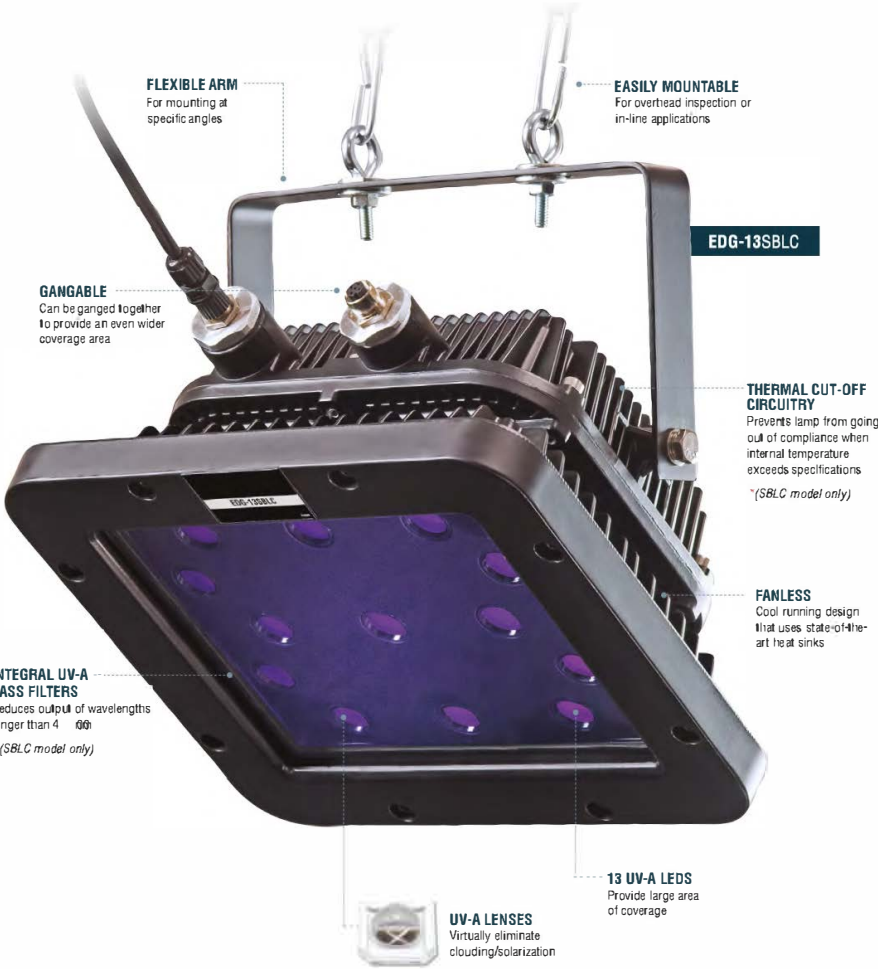
✓ Compliant Versions*

IP65 RATED

Dust-Tight & Water Resistant

NDT Inspection Booths

Large Parts Inspection



EDGE™ 4

LED UV-A Overhead Wash Station Lamp

The **EDGE™ 4** is a flood lamp engineered specifically for wash stations. It provides a very wide area of coverage without a high intensity. The **IP65** rated housing allows the lamp to work in wet and dirty environments. Heat sinks keep the lamp cool without the need for a fan, so no dust or water can enter. Four UV-A LEDs provide a wide, uniform beam that is highly consistent and reliable.



	EDG-4W
Nominal Steady-State UV-A Intensity at 48 in (122 cm)	1,400 µW/cm²
UV-A Coverage Area at 48 in (122 cm) at minimum 200 µW/cm²	22 x 22 in (56 x 56 cm)
Nominal Steady-State UV-A Intensity at 72 in (183 cm)	670 µW/cm²
UV-A Coverage Area at 72 in (183 cm) at minimum 200 µW/cm²	24 x 24 in (61 x 61 cm)
Nominal Steady-State UV-A Intensity at 96 in (244 cm)	380 µW/cm²
UV-A Coverage Area at 96 in (244 cm) at minimum 200 µW/cm²	25 x 25 in (63.5 x 63.5 cm)
LED Filter	Protective clear filter



Technical Features	
Light Source:	(4) UV-A LEDs
Lamp Style:	Panel flood lamp
Dimensions (L x W x H):	11 x 14 x 9 in (28 x 36 x 23 cm)
Weight:	14 lb (6.4 kg)
Power Requirements:	AC power (main AC power cord supplied with the unit)*
Cooling System:	Fanless

* (Also available in 100-120V, 230V and 240V versions)

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

PowerMAX™ 365 SERIES

LED UV-A Panel Flood Lamps

PowerMAX™ 365 Series flood lamps feature a panel of powerful UV-A (365nm) 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.

	PM-16B
MEETS specifications	EN ISO 3059
Nominal Steady-State UV-A Intensity at 15 in (38 cm)	6,500 µW/cm²
UV-A Coverage Area at 15 in (38 cm) at minimum 1,000 µW/cm²	12 x 24 in (30.5 x 61 cm)
Visible Light Measurement	<1 foot-candle (<10 lux)

Technical Features	
	PM-16B
Light Source:	16 UV-A LED'S & 4 White LED'S
Lamp Style:	Panel Flood Lamps
Length:	19.1 in (48.5 cm)
Width:	6.7 in (17 cm)
Height:	3.94 in (10 cm)
Weight:	16.5 Lb (7.5 Kg)
Intensity Control:	From 10% - 100%

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



CLARITY™ 365 SERIES
LED UV-A Inspection Flashlights

SPRAY &
INSPECT IN
ONE
SIMPLE STEP!

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 version).

		SPN-CLR365-HC	SPN-CLR365-SC	SPN-CLR-BHA	SPN-CLR-BA
TESTED TO COMPLY WITH	ASTM E3022-18 STANDARD	✓	✓	✓	✓
TESTED TO COMPLY WITH	EN ISO 3059	✓	✓	✓	✓
Nominal Steady-State UV-A Intensity at 15 in (38 cm)		6,500 µW/cm²	4,500 µW/cm²	6,500 µW/cm²	4,500 µW/cm²
UV-A Coverage Area at 15 in (38 cm) at minimum 1,000 µW/cm²		3.25 in (8.3 cm)	4 in (10.2 cm)	3.25 in (8.3 cm)	4 in (10.2 cm)
Filter		Integral UV-A pass filters			
Visible Light Measurement		< 1 foot-candles (11 lux)			
Battery Type		Lithium-Ion Rechargeable Battery		Alkaline Battery (3 C-cells)	

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



Technical Features

Light Source:
Lamp Style:
Lamp Head Diameter:
Length:
Weight:
Run Time:
Charge Time:

SPN-CLR365-HC & SPN-CLR365-SC
(Lithium-Ion Battery)

(1) UV-A LED
Cordless flashlight
1 in (2.6 cm)
7 in (17.8 cm)
0.8 lbs (363 g) with battery
9 hours (continuous)
6 Hours

SPN-CLR-BHA & SPN-CLR-BA
(Alkaline Battery)

(1) UV-A LED
Cordless flashlight
1.75 in (4.5 cm)
8.75 in (22.2 cm)
1.2 lbs (544.3 g)
9 hours (continuous)
N/A



Longest
Battery Life
on the Market



Auto
Shut-Off



Water-Proof,
Dust-Proof



Wireless
Induction
Charger*

*Lithium Ion model only



CLARITY Spray Mount Accessory
RP-SM-01

Specially crafted lamp attachment permits lamp and spray can to be mounted together for convenient, single-handed fluorescent yoke inspection.

INDUCTION CHARGER*

Stands on table, lamp is charged wirelessly

*Lithium Ion model only



SPN-CLR365-HC
SPN-CLR365-SC

Flashlight with battery, induction charging dock, AC power cord, USB power cord, belt holster, UV-absorbing spectacles, comes in carrying case.



SPN-CLR-BHA
SPN-CLR-BA

Flashlight with 3 C-cell alkaline batteries, belt holster, UV-absorbing spectacles and carrying case.

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.

	OLX-365	OLX-365B	OLX-365FL	OLX-365BFL
MEETS REQUIREMENT	✓	✓	✓	✓
ISO 3059	✓	✓	✓	✓
Nominal Steady-State UV-A Intensity at 15 in (38 cm)	10,000 µW/cm²		4,500 µW/cm²	
UV-A Coverage Area at 15 in (38 cm) at minimum 1,000 µW/cm²	2.25 in (5.7 cm) Diameter	2 in (5 cm) Diameter	3 in (7.6 cm) Diameter	3.25 in (8.3 cm) Diameter
Filter/Faceplate	Clear filter	UV-A pass filter	Clear filter	UV-A pass filter
Visible Light Measurement	0.8 foot-candles (85 lux)	0.4 foot-candles (43 lux)	0.3 foot-candles (32 lux)	0.2 foot-candles (21 lux)

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

Technical Features	
Light Source:	(1) UV-A LED
Lamp Style:	Cordless flashlight
Lamp Head Diameter:	1.25 in (3.2 cm)
Length:	5.9 in (15 cm)
Weight:	4.6 oz (130 g) with battery
Power Requirements:	(1) 3.7V 2600mAh Lithium-ion battery (rechargeable)
Run Time:	4 hours (at 100% duty cycle)
Charge Time:	4 hours (one or two batteries)
Charging Cradle:	Two-battery capability with AC and DC card sets*

*Also available in 18V-120V, 230V & 240V versions

- Li-Ion Rechargeable Li-Ion Battery
- Bright & Uniform Beam
- Instant-on Operation
- Small Space Inspection

CONVENIENT ON/OFF SWITCH
For easy one-handed operation



ANODIZED ALUMINUM LAMP BODY
Minimizes corrosion and stands up to years of heavy use

BF-365LX
External UV-A pass filter accessory



OPTI-LUX™ 365 SERIES Flashlight Kit
Comes complete with OPX-365 LED UV-A (365 nm) lamp with lanyard, two rechargeable batteries, smart charging cradle with AC and DC card sets, UV-absorbing spectacles, belt holder and a hard carrying case.



OPTIMAX™ 365

LED UV-A Inspection Flashlight

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

	OPX-365
Nominal Steady-State UV-A Intensity at 15 in (38 cm)	18,000 µW/cm²
UV-A Coverage Area at 15 in (38 cm) at minimum 1,000 µW/cm²	3 in (7.6 cm) Diameter
Visible Light Measurement	< 2 foot-candles (22 lux)

Technical Features

Light Source:	(1) UV-A LED
Lamp Style:	Cordless flashlight
Lamp Head Diameter:	2 in (5.1 cm)
Length:	8 in (20.3 cm)
Weight:	11.8 oz (335 g) with battery
Power Requirements:	3.6V 2.0Ah NiMH internal battery stick (rechargeable)
Run Time:	90 minutes (continuous)
Charge Time:	4 hours

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

- Rechargeable NiMH Battery
- Bright & Uniform Beam
- Instant-on Operation
- 90 Minutes Run Time



ANODIZED ALUMINUM LAMP BODY
Minimizes corrosion and stands up to years of heavy use

CONVENIENT ON/OFF SWITCH
For easy one-handed operation

CHARGE STATUS INDICATOR LIGHT

ELECTRONIC INTENSITY STABILIZER
Assures consistent performance



OPX-365 OPTIMAX™ 365 KIT
Comes complete with 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.

LED BLUE LIGHT LAMPS

OPTIMAX™ 450
Rechargeable LED Blue Light Flashlight

The **OPTIMAX™ 450 OPX-450** is a versatile, cordless inspection lamp, featuring a high-intensity blue light (450 nm) LED. The anodized aluminum lamp body minimizes corrosion and stands up to years of heavy use, and our patented, thin-film dichroic lens filters out long-wave visible light. Electronic Intensity Stabilizer assures consistent performance. Beam strength will not weaken between charges. Powered by a rechargeable NiMH battery. Provides 90 minutes of continuous inspection between charges.

MEETS SPECIFICATIONS		OPX-450
CEN/TR 16638		✓
Nominal Steady-State Blue Light Intensity at 15 in (38 cm)		7,000 µW/cm²
Blue Light Coverage Area at 15 in (38 cm) at minimum 2,000 µW/cm²		4.75 in (12.1 cm) Diameter

Technical Features	
Light Source:	(1) Blue light LED
Lamp Style:	Cordless flashlight
Lamp Head Diameter:	2 in (5.1 cm)
Length:	8 in (20.3 cm)
Weight:	11.8 oz (335 g) with battery
Power Requirements:	3.6V, 2.0Ah NiMH internal battery stick (rechargeable)
Run Time:	90 minutes (continuous)
Charge Time:	4 hours

Blue Light intensity reading taken with the Spectro-UV® AccuMAX™ Series meter, and is factory set to the value shown



Accessories

IMAGE	PART #	DESCRIPTION
	BW4000	Smart AC charger (120V/60Hz)*
	BW4000	12V DC charger
	BW4000	Fluorescence-enhancing spectacles, yellow

*Also available in 230V, 240V, and 100V versions



Rechargeable
NiMH Battery



Bright &
Uniform
Beam



Instant-on
Operation



90 Minutes
Run Time



Works In
Daylight!

ANODIZED ALUMINUM LAMP BODY
Minimizes corrosion and stands up to years of heavy use

CONVENIENT ON/OFF SWITCH
For easy one-handed operation

BLUE LIGHT LED

PATENTED, THIN-FILM DICHROIC LENS
Improve contrast and fluorescent response

CHARGE STATUS INDICATOR LIGHT

ELECTRONIC INTENSITY STABILIZER
Assures consistent performance



**OPX-450
OPTIMAX™ 450 Kit**
Comes complete with OPTIMAX™ 450 LED blue light lamp, smart AC and DC chargers, fluorescence-enhancing yellow spectacles, belt holder and rugged, hard carrying case.

VIVID™ Replacement Bulb



Instant-on Operation
No wait time to get to full intensity



Fewer Bulb Changes



Safer
Over 50% cooler!
225°F vs. 109°F
(HID) (LED)



Environmental
Less environmental waste
with fewer bulbs and
energy efficient



Part #	Nominal Steady-State UV-A Intensity at 15 in (38 cm)	UV-A Coverage Area at 15 in (38 cm) at minimum 1,000 µW/cm²	Visible Light Measurement
BLE-LED-100 BLE-LED-150 BLE-LED-150/F	4,700 µW/cm² (tested with 2F958 filter)	6.5 in (16.5 cm) Diameter	< 1 foot-candle (11 lux)

Works seamlessly in conjunction with the following Spectro-UV® HID lamps, saving you *both* time and money on bulb changes:



Lamp	Current Bulb Type	Replacement Vivid Bulb
SB-100P SERIES	100S/M HID Bulb	BLE-LED-100
FC-100 SERIES	100S/M HID Bulb	
BIB-150P SERIES	BLE-150CS-115/M	BLE-LED-150
	BLE-150BS-115/M	
	BLE-150CS-100/M	
BIB-150P/F SERIES	BLE-150CS-230/M	BLE-LED-150/F
FC-150/F SERIES	BLE-150FC-230/M	

COMES WITH PATENTED
BULB-SAVER™

Keeps bulb upright in housing and maintains alignment through usage, increasing longevity.

UV PROTECTIVE EYE AND FACE WEAR

FACESHIELDS AND PROTECTIVE GOGGLES - Essential accessories for all NDT and UV work

- Designed for long wearing comfort and to protect the user against most ultraviolet light sources
- Improves contrast between the fluorescent area and the background by eliminating the "blue haze" interference
- Goggles and face shield meet ANSI specifications and OSHA standards
- UVS-30 spectacles, generally recommended for sporadic, lower intensity UV sources fit easily over eyeglasses
- UVF-80 face shield, for maximum protection from extended or high intensity UV exposure, adjusts to fit the face

UVS-20 UV-absorbing Overglass



UVS-30 UV-absorbing Spectacles

UVS-40 Fluorescence-enhancing Spectacles



UVG-50 UV-absorbing Goggles

UVF-80 UV-absorbing Face shield

