

# SPECTRO-UV®



## 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.

### INTRODUCING THE **Z-MODEL**

with In-Handle  
Lithium-Ion Battery



**COMPLIANT  
MODELS  
AVAILABLE**



**MEETS  
EN ISO 3059  
SPECIFICATIONS**



**DUST-TIGHT &  
WATER RESISTANT**



**WIDE, EVEN  
BEAM PROFILE**



**FANLESS &  
COOL RUNNING**



**BASE  
IN-LINE  
A/C CORD**



**M-MODEL  
EXTERNAL  
BATTERY PACK**



**Z-MODEL  
IN-HANDLE  
BATTERY**



**R-MODEL  
REEL WITH  
50-FOOT CORD**



NEW!

INTRODUCING THE  
**Z-MODEL**  
RUGGED. RELIABLE. CORDLESS.



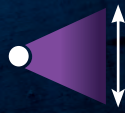
COMPLIANT  
MODELS  
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Dust-Tight &  
Water Resistant



WIDE, EVEN  
BEAM PROFILE



FANLESS &  
COOL RUNNING



**3 UV-A LEDs**  
For wide area of coverage

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

**Faceplate with INTEGRAL UV-A PASS FILTERS**  
Reduce visible wavelengths  
(SBLC- & HC-Models only)

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

**POWER/BATTERY LIFE LIGHT**  
Indicates power level

**THERMAL CUT-OFF CIRCUITRY**  
Prevents lamp from going out of compliance when internal temperature exceeds specifications  
(SBLC-Models only)

**FANLESS DESIGN**  
Maintains optimum lamp temperature using state-of-the-art heat sinks

**PISTOL GRIP**  
Comfortable, balanced control

**IN-HANDLE LITHIUM ION BATTERY**  
(Z-Models only)  
Available in multiple power sources



**BASE MODEL**  
Lamp with in-line AC power supply, UV-absorbing spectacles, comes in a protective case.  
uVision™ 365:  
**UV-365EH or UV-365ES**  
uVision™ 365 DELUXE:  
**UV-365SBLC or UV-365HC**



**Z-MODEL**  
Lamp with in-handle lithium battery, in-line AC charger and cord, UV-absorbing spectacles, comes in a protective case.  
uVision™ 365:  
**UV-365ZEH**  
uVision™ 365 DELUXE:  
**UV-365ZSBLC or UV-365ZHC**



**M-MODEL**  
Lamp with battery pack with 12V rechargeable NiMH battery, in-line AC power supply, UV-absorbing spectacles, comes in a protective case.  
uVision™ 365:  
**UV-365MEH**  
uVision™ 365 DELUXE:  
**UV-365MSBLC or UV-365MHC**



**R-MODEL**  
Lamp on a reel with 50 ft retracting A/C power cord, hooks to suspend from ceiling, UV-absorbing spectacles.  
uVision™ 365 DELUXE:  
**UV-365SBLCR or UV-365HCR**

		UV-365SBLC*	UV-365HC	UV-365ZHC	UV-365ES	UV-365EH	UV-365ZEH
TESTED TO COMPLY WITH	Rolls-Royce RRES 90061 REQUIREMENTS	✓	✗	✗	✗	✗	✗
	ASTM E3022-18 STANDARD	✓	✓	✓	✗	✗	✗
	EN ISO 3059	✓	✗	✗	✗	✗	✗
Nominal Steady-State UV-A Intensity at 15 in (38 cm) Ø		< 5,000 µW/cm²	6,000 µW/cm²	8,000 µW/cm²	< 5,000 µW/cm²	7,000 µW/cm²	9,000 µW/cm²
UV-A Coverage Area at 15 in (38 cm) at minimum 1,200 µW/cm²		6 in (15.2 cm) Diameter	7 in (17.8 cm) Diameter	8.25 in (21 cm) Diameter	6.5 in (16.5 cm) Diameter	7 in (17.8 cm) Diameter	8 in (20.3 cm) Diameter
Filter/Faceplate		Integral UV-A pass filters			Standard faceplate		Clear filter
Thermal Cut-Off Circuitry		✓	✗	✓	✗		
Visible Light Measurement		< 1 foot-candles (11 lux)			< 2 foot-candles (22 lux)		
In-Handle Lithium-Ion Battery		UV-365ZSBLC	✗	✓	✗	✗	✓
External Battery Pack		UV-365MSBLC	UV-365MHC	✗	✗	UV-365MEH	✗
Reel Kit (50 ft power cord)		UV-365SBLCR	UV-365HCR	✗	✗	✗	✗

\*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)  
Ø 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.



Light Source:	(3) UV-A LEDs, (1) white light LED
Lamp Style:	Pistol grip
Lamp Head Diameter:	3.5 in (9 cm)
Height:	7.5 in (19 cm) Z-Model: 9.5 in (24.1 cm)
Width:	3.5 in (8.9 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*

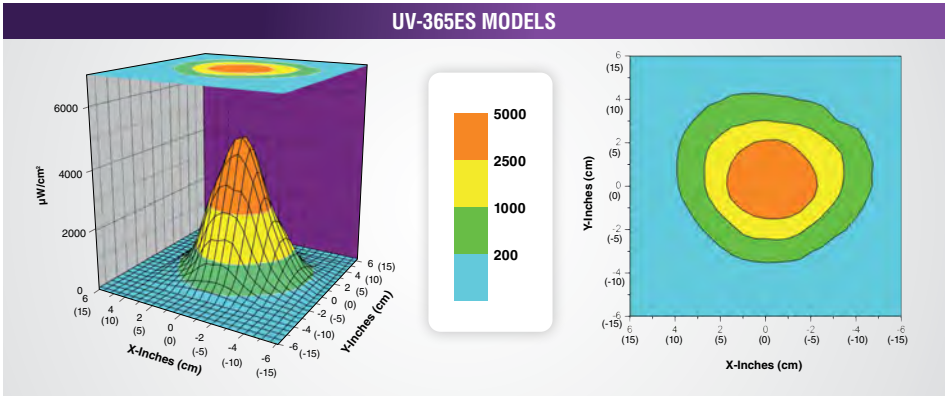
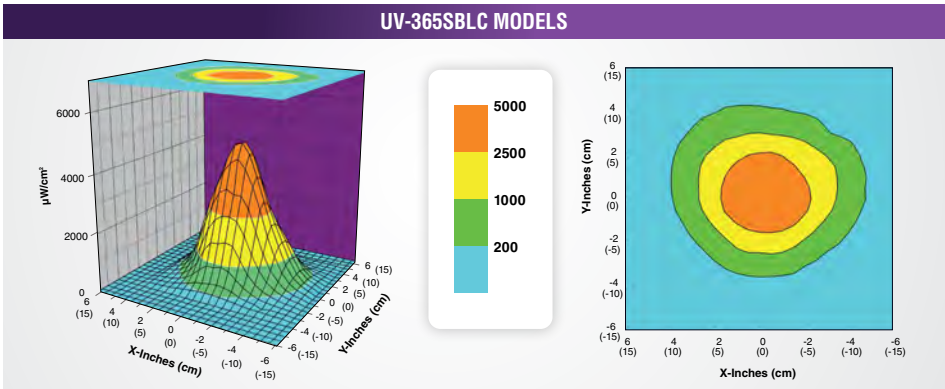
In-Handle Lithium Ion Battery: Z-Model Only	Type: 14.8V, Lithium ion (rechargeable) Run time: ZSBLC: 10 hours   ZHC: 7 hours   ZEH: 8 hours Charge time: 4 hours
External Battery Pack: M-Model Only	Type: 12V, NiMH (rechargeable) Run time: 3.5 hours continuous Charge time: 2 hours

\*(Also available in 220-240V versions)

STANDARD-INTENSITY MODELS:

Surface Contour Profile at 15 in (38 cm)

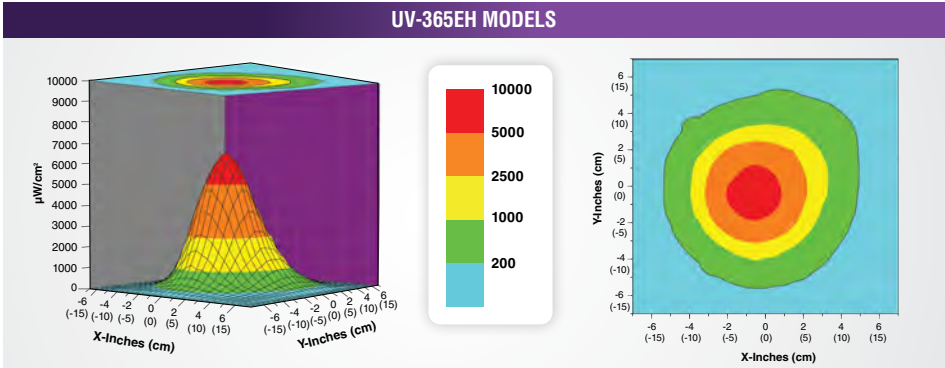
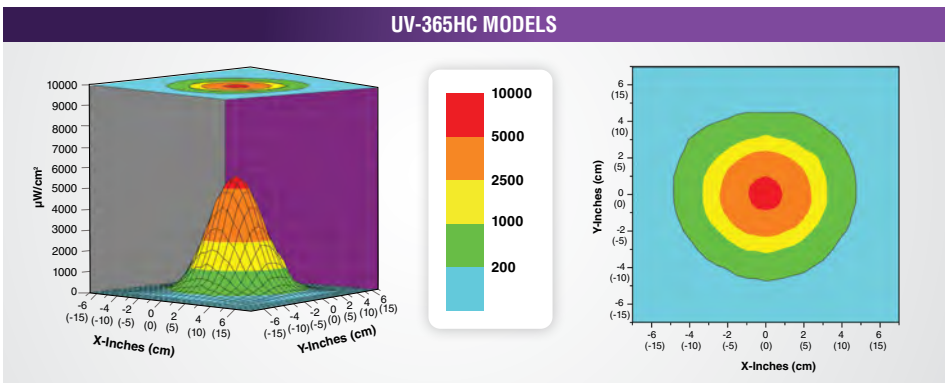
Top Intensity Profile at 15 in (38 cm)



HIGH-INTENSITY MODELS:

Surface Contour Profile at 15 in (38 cm)

Top Intensity Profile at 15 in (38 cm)



APPROPRIATE DOCUMENTS  
PROVIDED WITH EACH LAMP

✓ **VALIDATION REPORT**

**SPECTRO-UV**  
VALIDATION REPORT

MODEL NUMBER: UV-365HC	STANDARD: ASTM E 2542, Type A	SERIAL NUMBER: 12345678	DATE TEST: 10/15/2023
TEST DESCRIPTION	PARAMETER	UNIT	TEST RESULT
Maximum Reading	1.00E+004	µW/cm²	9876
Minimum Reading	1.00E+000	µW/cm²	123
Reading	1.00E+000	µW/cm²	456
Peak Wavelength	365 ± 5 nm	nm	365.2 ± 0.5
UV-A Wavelength	315 - 405 nm	nm	315.2 - 404.8
UV-B Wavelength	280 - 315 nm	nm	280.2 - 314.8
UV-C Wavelength	200 - 280 nm	nm	200.2 - 279.8
Wavelength Shift	Within ± 5 nm	nm	4.5 nm
Visible Light Output	Within ± 5 mW	mW	5.2 mW
Output Stability	± 1.0% (1 min)	%	0.8%
Output Temperature	25 ± 2 °C	°C	26.5 °C
Source Life	10,000 hours	hours	10,000

Signature: [Signature]  
Date: 10/15/2023

Edison Corp, Farmingdale, NY 11735 • PHONE: 866-230-7305 • FAX: 516-333-0884 • WWW.SPECTRO-UV.COM

✓ **CERTIFICATE OF CONFORMANCE**

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✓ **CERTIFICATE OF LIGHT OUTPUT**

**SPECTRO-UV**  
CERTIFICATE OF LIGHT OUTPUT

This is to certify that the information shown above the UV-A lamp output measurement (intensity and stability) for 15 in (38 cm) light emitting a Peak Wavelength at 365 ± 5 nm (365 ± 5 nm) as measured with a Spectrophotometer.

Product Name: Edison® 365 Standard Intensity UV Source  
Product Number: 12345678  
Serial Number: 12345678

The following UV-A light measurement was obtained using a Spectrophotometer:

UV-A Wavelength: 315 - 405 nm  
UV-A Intensity reading @ 305 nm: 9876 µW/cm²  
UV-A Intensity reading @ 355 nm: 123 µW/cm²

Inspector: [Signature]  
Date: 10/15/2023

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