



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



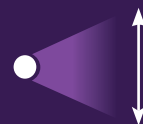
**COMPLIANT
MODELS
AVAILABLE**



**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.



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



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

ADJUSTABLE WHITE LIGHT LED
Use to locate surface flaws



BACK VIEW

	UV-365SBLC*	UV-365HC	UV-365ZHC	UV-365ES	UV-365EH	UV-365ZEH
TESTED TO COMPLY WITH Rolls-Royce RRES 90061 REQUIREMENTS	✓	✗	✗	✗	✗	✗
TESTED TO COMPLY WITH ASTM E3022-18 STANDARD	✓	✓	✓	✗	✗	✗
MEETS SPECIFICATIONS 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
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External Battery Pack: M-Model Only	Type: 12V, NiMH (rechargeable) Run time: 3.5 hours continuous Charge time: 2 hours
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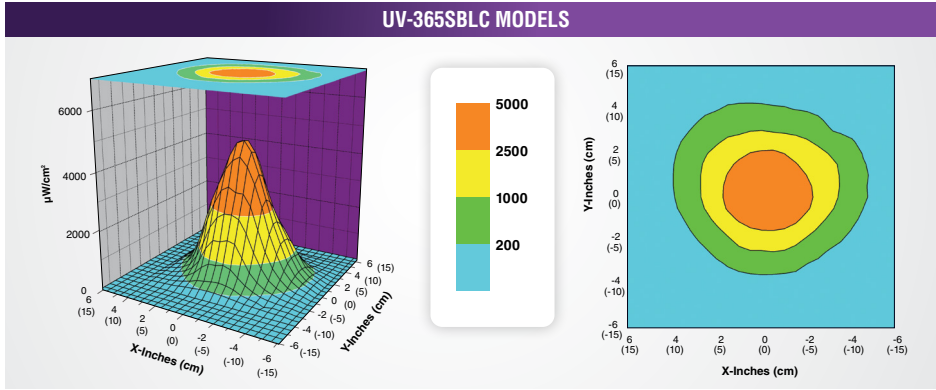
*(Also available in 220-240V versions)

STANDARD-INTENSITY MODELS:

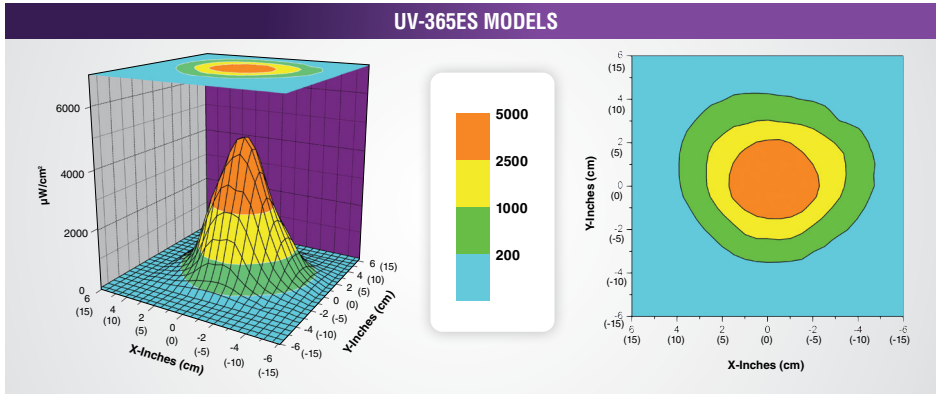
Surface Contour Profile at 15 in (38 cm)

Top Intensity Profile at 15 in (38 cm)

UV-365SBLC MODELS



UV-365ES MODELS

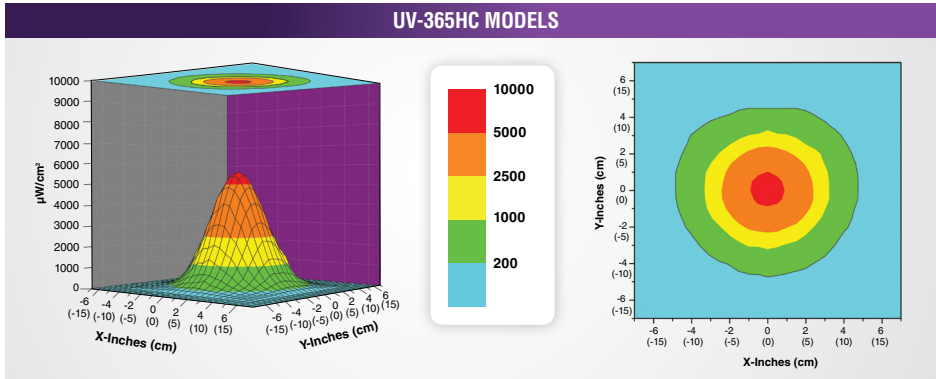


HIGH-INTENSITY MODELS:

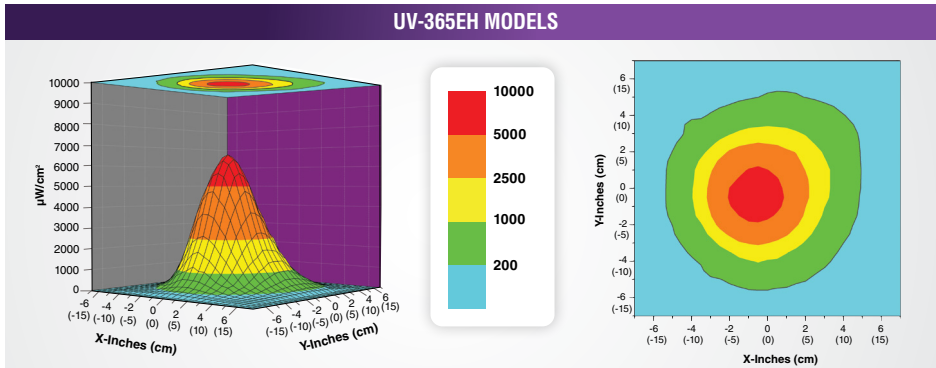
Surface Contour Profile at 15 in (38 cm)

Top Intensity Profile at 15 in (38 cm)

UV-365HC MODELS



UV-365EH MODELS



SPECTRO-UV®

www.Spectro-UV.com
4 Dubon Ct., Farmingdale, NY 11735
866-230-7305

APPROPRIATE DOCUMENTS PROVIDED WITH EACH LAMP



VALIDATION REPORT

SPECTRO-UV
VALIDATION REPORT

MODEL NUMBER: UV-365BLC	SERIAL NUMBER:	
STANDARD: ASTM F2729, Type A	PART NUMBER:	
TEST DESCRIPTIONS	TEST DATE	TEST RESULT
Uniformity Reading	1/27/2024	Pass
Intensity Reading	1/27/2024	Pass
Beam Diameter	150 mm (6 in)	150 mm (6 in)
Beam Diameter (2 in)	150 mm (6 in)	150 mm (6 in)
Beam Diameter (4 in)	150 mm (6 in)	150 mm (6 in)
Beam Diameter (6 in)	150 mm (6 in)	150 mm (6 in)
Beam Diameter (8 in)	150 mm (6 in)	150 mm (6 in)
Beam Diameter (10 in)	150 mm (6 in)	150 mm (6 in)
Beam Diameter (12 in)	150 mm (6 in)	150 mm (6 in)
Beam Diameter (14 in)	150 mm (6 in)	150 mm (6 in)
Beam Diameter (16 in)	150 mm (6 in)	150 mm (6 in)
Beam Diameter (18 in)	150 mm (6 in)	150 mm (6 in)
Beam Diameter (20 in)	150 mm (6 in)	150 mm (6 in)
Beam Diameter (22 in)	150 mm (6 in)	150 mm (6 in)
Beam Diameter (24 in)	150 mm (6 in)	150 mm (6 in)
Beam Diameter (26 in)	150 mm (6 in)	150 mm (6 in)
Beam Diameter (28 in)	150 mm (6 in)	150 mm (6 in)
Beam Diameter (30 in)	150 mm (6 in)	150 mm (6 in)
Beam Diameter (32 in)	150 mm (6 in)	150 mm (6 in)
Beam Diameter (34 in)	150 mm (6 in)	150 mm (6 in)
Beam Diameter (36 in)	150 mm (6 in)	150 mm (6 in)
Beam Diameter (38 in)	150 mm (6 in)	150 mm (6 in)
Beam Diameter (40 in)	150 mm (6 in)	150 mm (6 in)
Beam Diameter (42 in)	150 mm (6 in)	150 mm (6 in)
Beam Diameter (44 in)	150 mm (6 in)	150 mm (6 in)
Beam Diameter (46 in)	150 mm (6 in)	150 mm (6 in)
Beam Diameter (48 in)	150 mm (6 in)	150 mm (6 in)
Beam Diameter (50 in)	150 mm (6 in)	150 mm (6 in)
Beam Diameter (52 in)	150 mm (6 in)	150 mm (6 in)
Beam Diameter (54 in)	150 mm (6 in)	150 mm (6 in)
Beam Diameter (56 in)	150 mm (6 in)	150 mm (6 in)
Beam Diameter (58 in)	150 mm (6 in)	150 mm (6 in)
Beam Diameter (60 in)	150 mm (6 in)	150 mm (6 in)
Beam Diameter (62 in)	150 mm (6 in)	150 mm (6 in)
Beam Diameter (64 in)	150 mm (6 in)	150 mm (6 in)
Beam Diameter (66 in)	150 mm (6 in)	150 mm (6 in)
Beam Diameter (68 in)	150 mm (6 in)	150 mm (6 in)
Beam Diameter (70 in)	150 mm (6 in)	150 mm (6 in)
Beam Diameter (72 in)	150 mm (6 in)	150 mm (6 in)
Beam Diameter (74 in)	150 mm (6 in)	150 mm (6 in)
Beam Diameter (76 in)	150 mm (6 in)	150 mm (6 in)
Beam Diameter (78 in)	150 mm (6 in)	150 mm (6 in)
Beam Diameter (80 in)	150 mm (6 in)	150 mm (6 in)
Beam Diameter (82 in)	150 mm (6 in)	150 mm (6 in)
Beam Diameter (84 in)	150 mm (6 in)	150 mm (6 in)
Beam Diameter (86 in)	150 mm (6 in)	150 mm (6 in)
Beam Diameter (88 in)	150 mm (6 in)	150 mm (6 in)
Beam Diameter (90 in)	150 mm (6 in)	150 mm (6 in)
Beam Diameter (92 in)	150 mm (6 in)	150 mm (6 in)
Beam Diameter (94 in)	150 mm (6 in)	150 mm (6 in)
Beam Diameter (96 in)	150 mm (6 in)	150 mm (6 in)
Beam Diameter (98 in)	150 mm (6 in)	150 mm (6 in)
Beam Diameter (100 in)	150 mm (6 in)	150 mm (6 in)



CERTIFICATE OF CONFORMANCE

SPECTRO-UV
Page 1 of 1 (3/10/2024)

CERTIFICATE OF CONFORMANCE

MODEL NUMBER: UV-365HC	SERIAL NUMBER:	
STANDARD: ASTM F2729, Type A	PART NUMBER:	
APPROVALS	MANUFACTURER	SERIAL NUMBER
Inspector: [Signature]	Spectro-UV	15000000000000000000
Tester: [Signature]	Spectro-UV	15000000000000000000
Reviewer: [Signature]	Spectro-UV	15000000000000000000
DATE: 1/27/2024		



CERTIFICATE OF LIGHT OUTPUT

SPECTRO-UV
Page 1 of 1 (3/10/2024)

CERTIFICATE OF LIGHT OUTPUT

This is to certify the below information: This model UV-365HC lamp output measurement (intensity and uniformity) for 15 in light producing a Peak Intensity of 365 - 370 mW/cm² (5 mW/cm²) as measured with a Spectro-UV.

Product Name: **UV-365HC Standard Intensity HC Series**

Product Number: **UV-365HC**

Serial Number: **15000000000000000000**

Manufacturer: **Spectro-UV**

Model: **UV-365HC**

Intensity: **365 mW/cm²**

Uniformity: **Pass**

UVA Intensity reading @ 305 nm: _____

Visible light reading @ 355 nm: _____

Inspector: [Signature]

Tester: [Signature]

Reviewer: [Signature]

DATE: 1/27/2024