

uVision™ 365 SERIES NDT Inspection Lamps

The uVision™ 365 Series is Spectroline'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.

NEW!

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**



NEW!
**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



NEW!

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-365ZH
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-365MH
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

TESTED MEETS REQUIREMENTS	Rolls-Royce RRES 90061 REQUIREMENTS  ASTM E3022-18 STANDARD  EN ISO 3059	UV-365SBLC*	UV-365HC	UV-365ZHC	UV-365ES	UV-365EH	UV-365ZEH
							
							
							
Nominal Steady-State UV-A Intensity at 15 in (38 cm) 		< 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)
Ⓢ UV-A intensity reading taken with the Spectroliner® 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		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
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)		External Battery Pack: M-Model Only	Type: 12V, NiMH (rechargeable) Run time: 3.5 hours continuous Charge time: 2 hours
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)		<i>*(Also available in 220-240V versions)</i>	
Power Requirements:	100-120VAC / 12VDC*			

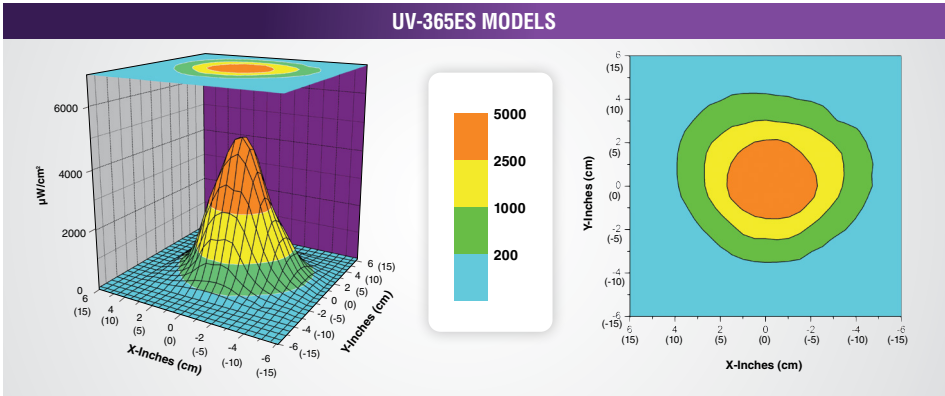
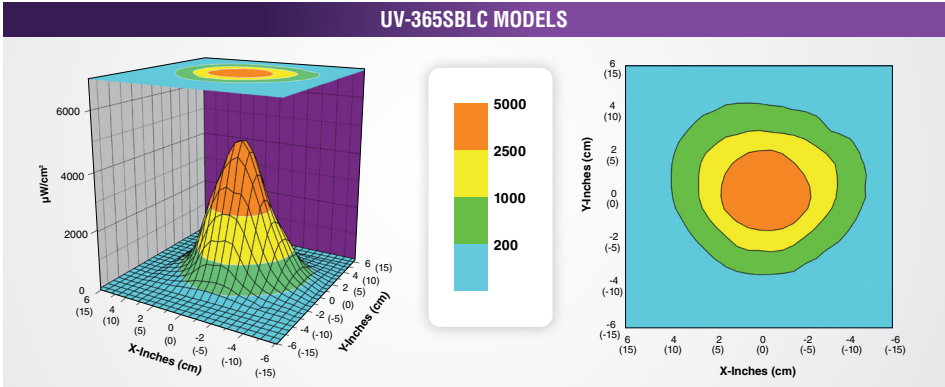
(Also available in 220-240V versions)



STANDARD-INTENSITY MODELS:

Surface Contour Profile at 15 in (38 cm)

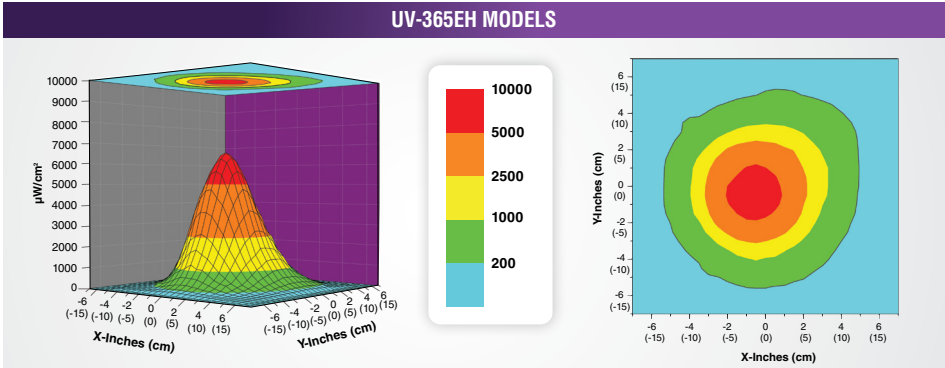
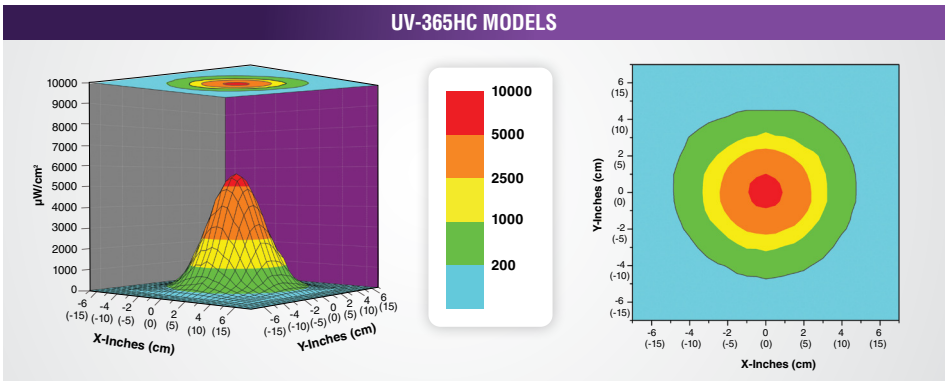
Top Intensity Profile at 15 in (38 cm)



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



SPECTROLINE
VALIDATION REPORT

MODEL NUMBER: UV-365HC	STANDARD: ASTM F 3747, Type A	SERIAL NUMBER: 12345678	DATE TEST: 10/15/2023
TEST DESCRIPTION	PARAMETER	UNIT	TEST RESULT
Maximum Reading	1,000 µW/cm²	µW/cm²	9,500
Minimum Reading	1,000 µW/cm²	µW/cm²	9,500
Average		µW/cm²	9,500
Peak Wavelength	365 ± 5 nm	nm	365 ± 5 nm
UV-A Wavelength	315 - 405 nm	nm	315 - 405 nm
UV-B Wavelength	280 - 315 nm	nm	280 - 315 nm
UV-C Wavelength	200 - 280 nm	nm	200 - 280 nm
Wavelength Shift	Within 5 nm	nm	Within 5 nm
Visible Light Output	Within 5 nm	nm	Within 5 nm
Output Stability	± 1.0% (10 min)	%	± 1.0%
Output Temperature	25 ± 2°C (77 ± 4°F)	°C	25 ± 2°C
Source Life	10,000 hours	hours	10,000



SPECTROLINE
CERTIFICATE OF CONFORMANCE

MODEL NUMBER: UV-365HC	STANDARD: ASTM F 3747, Type A	SERIAL NUMBER: 12345678	DATE TEST: 10/15/2023
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Visible Light Output	Within 5 nm	nm	Within 5 nm
Output Stability	± 1.0% (10 min)	%	± 1.0%
Output Temperature	25 ± 2°C (77 ± 4°F)	°C	25 ± 2°C
Source Life	10,000 hours	hours	10,000



SPECTROLINE
CERTIFICATE OF LIGHT OUTPUT

This is to certify that the information on this label, the UV-A lamp output measurement (intensity and stability) for 1000 µW/cm² at 15 in (38 cm) is accurate within ± 1.0% (10 min) as measured with a Spectroliner® device.

Product Name: UV-365HC Standard Intensity UV-A Lamp
Product Number: 12345678
Serial Number: 12345678
The following UV-A light measurement was obtained using a Spectroliner® device:
10,000 and 100,000 µW/cm² at 15 in (38 cm)

UV-A intensity reading @ 1000 µW/cm²: _____
UV-A intensity reading @ 100,000 µW/cm²: _____
Visible light reading @ 1000 µW/cm²: _____

Inspector: _____
Date: _____

DISTRIBUTED BY:

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