

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	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	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	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	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.

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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: ZSBLC: 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

In-handle Battery
uVision 365:

UV-365ZEH

uVision 365 Deluxe:

**UV-365ZSBLC or
UV-365ZHC**



M-MODEL

External Battery Pack
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**

SPECTRO-UV®

www.Spectro-UV.com

4 Dubon Ct., Farmingdale, NY 11735

866-230-7305