

# NDT INSPECTION LAMP MATRIX

## COMPARATIVE CHART OF COMPLIANT SPECTRO-UV® UV-A LED LAMPS

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 µW/cm²	Power Source	Run Time	White Light	Adaptors
<b>uVision 365 Series</b>											
UV-365SBLC	X	X	X	X	X	4,500 µW/cm²	6 in (15 cm) Ø	AC Cord	—	Y	A/B, C/F, I, G, N, A/B & F w 20 Ft Cord
UV-365MSBLC	X	X	X	X	X	4,500 µW/cm²	6 in (15 cm) Ø	AC/DC (NiMH Battery)	3.5 hrs	Y	A/B, C/F, I, G, N, A/B & F w 20 Ft Cord
UV-365ZSBLC	X	X	X	X	X	< 5,000 µW/cm²	6 in (15 cm) Ø	AC/DC (Li-ion Battery)	10 hrs	Y	A/B, C/F, I, G, N
UV-365HC	X	X				6,000 µW/cm²	7 in (17.8 cm) Ø	AC Cord	—	Y	A/B, C/F, I, G, N, A/B & F w 20Ft cord
UV-365MHC	X	X				6,000 µW/cm²	7 in (17.8 cm) Ø	AC/DC (NiMH Battery)	3.5 hrs	Y	A/B, C/F, I, G, N
UV-365ZHC	X	X				8,000 µW/cm²	8.25 in (21 cm) Ø	AC/DC (Li-ion Battery)	7 hrs	Y	A/B, C/F, I, G, N
UV-365HCR	X	X				6,000 µW/cm²	6.4 in (16 cm) Ø	AC Cord & Reel	—	Y	A/B, C/F, I, G, N
UV-365ES						< 5,000 µW/cm²	6 in (15 cm) Ø	AC Cord	—	Y	A/B, C/F, I, G, A/B & F w 20Ft cord
UV-365MEH						7,000 µW/cm²	7 in (17.8 cm) Ø	AC/DC (NiMH Battery)	3.5 hrs	Y	A/B, C/F, I, G, N, A
UV-365EH						7,000 µW/cm²	7 in (17.8 cm) Ø	AC Cord	—	Y	A/B, C/F, I, G
UV-365ZEH						9,000 µW/cm²	7 in (17.8 cm) Ø	AC/DC (Li-ion Battery)	8 hrs	Y	A/B, C/F, I, G, N
<b>uVision MAX Series</b>											
UV-365MAXHC	X	X	X	X	X	4,500 µW/cm²	up to 9.5 in (24.1 cm) Ø	AC Cord	—	Y	A/B, C/F, I, G, N, A/B C/F & G w 20 ft cord
UV-365MAXZHC	X	X	X	X	X	4,500 µW/cm²	up to 9.5 in (24.1 cm) Ø	AC/DC (Li-Ion Battery)	7 hrs	Y	A/B, C/F, I, G, N
UV-365MAXMHC	X	X	X	X	X	4,500 µW/cm²	up to 9.5 in (24.1 cm) Ø	AC/DC (NiMH Battery)	3.5 hrs	Y	A/B, C/F, I, G, N, A/B C/F & G w 20 ft cord

<b>TYPE A -</b> USA, MEX, CAN, & JPN	<b>TYPE B -</b> USA, MEX, CAN, & JPN	<b>TYPE C -</b> EUR., S AMER. & ASIA	<b>TYPE F -</b> EUROPE & RUSSIA	<b>TYPE G -</b> GBR, IRL, MLT, MAS & SIN	<b>TYPE I -</b> AUS, ARG, CHN & NZL	<b>TYPE N -</b> BRAZIL
---	---	---	------------------------------------	---	--	---------------------------

# NDT INSPECTION LAMP MATRIX

TECHNICAL SPECS FOR UV-A LAMPS	 ASTM INTERNATIONAL			 AIRBUS	 Pratt & Whitney A United Technologies Company
Parameters	ASTM E3022-18	ISO 3059:2012	RRES 90061:2014	AITM6-1001 Issue 15	UV-A Inspection Requirements
Wavelength	360 to 370	365 ± 5	365 ± 5	365 ± 5	365 peak
FMHM (nm)	≤ 15	≤ 30	≤ 20 @ 50% OP ≤ 30 @ 10% OP	Per ASTM E3022	N/A
Intensity (μW/cm <sup>2</sup> ) at 15"	≥ 2,000	Min: 1,000 Max: 5,000	Min: 1,200 Max: 5,000	Min: 1,200 Max: 5,000	Min: 1,000 Max: 5,000
Beam Profile	≥ 5-inch at ≥ 1,000 μW/cm <sup>2</sup>	N/A	Even irradiation	Per ASTM E3022	High uniformity
Visible light emission & Ambient visible light	≤ 21.5 lux	≤ 20 lux	≤ 5 lux at min WD ≤ 20 lux at max WD	Per ASTM E3022	≤ 20 lux
Electronic control					
Current Ripple:	Ripple < 5%		Ripple < 6%		
Battery Shut off:	Intensity < 1,000	N/A	Current drop > 3%	Per ASTM E3022	Thermal Management EMC
Temp cut off:	N/A		Over temp condition		
Report	Each Lamp + Lamp Model	N/A	Unit Test Validation Report	Per ASTM E3022	Per ASTM E3022

## SPECTRO-UV®

[www.Spectro-UV.com](http://www.Spectro-UV.com)

4 Dubon Ct., Farmingdale, NY 11735  
866-230-7305