

NDT INSPECTION LAMP MATRIX



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

Part Number	ASTM E3022	ISO 3059	RRES: 90061	Airbus	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
TRITAN Series											
TRI-365SBLC	X	X	X	X	X	4,500 µW/cm²	5.5 in (14 cm) Ø	AC Cord	—	Y	A/B, C/F, I, G
TRI-365HC	X	X				8,000 µW/cm²	6 in (15 cm) Ø	AC Cord	—	Y	A/B, C/F, I, G, A/B & F w 20 ft cord
TRI-365HB						9,000 µW/cm²	6.5 in (16.5 cm) Ø	AC Cord	—	Y	A/B, C/F, I, G, A/B & F w 20 ft cord
TRI-365DB						4,750 µW/cm²	5.5 in (14 cm) Ø	AC Cord	—	Y	A/B, C/F, I, G
TRI-365MDB						<5,000 µW/cm²	5.5 in (14 cm) Ø	AC/DC (Li-Ion Battery)	3.5 hrs	Y	A/B, C/F, I, G
TRI-365MHB						9,000 µW/cm²	6.5 in (16.5 cm) Ø	AC/DC (Li-Ion Battery)	3.5 hrs	Y	A/B, C/F, I, G

TYPE A - USA, MEX, CAN, & JPN	TYPE B - USA, MEX, CAN, & JPN	TYPE C - EUR., S AMER. & ASIA	TYPE F - EUROPE & RUSSIA	TYPE G - GBR, IRL, MLT, MAS & SIN	TYPE I - AUS, ARG, CHN & NZL	TYPE N - BRAZIL
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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 ²) 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 ²	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[®]

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