

UV HANDHELD LAMP MATRIX

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	Applications
uVision MAX SERIES											
UV-365MAXHC	X	X	X	X	X	4,500 $\mu\text{W}/\text{cm}^2$	9.5 in (24.1 cm) \emptyset	AC Cord	—	Y	Aerospace, Industrial, NDT
UV-365MAXZHC	X	X	X	X	X	4,500 $\mu\text{W}/\text{cm}^2$	9.5 in (24.1 cm) \emptyset	AC Cord (Li-Ion Battery)	7 hrs	Y	Aerospace, Industrial, NDT
UV-365MAXMHC	X	X	X	X	X	4,500 $\mu\text{W}/\text{cm}^2$	9.5 in (24.1 cm) \emptyset	AC Cord (Li-Ion Battery)	7 hrs	Y	Aerospace, Industrial, NDT
uVision 365 SERIES											
UV-365SBLC	X	X	X	X	X	4,500 $\mu\text{W}/\text{cm}^2$	6 in (15 cm) \emptyset	AC Cord	—	Y	Aerospace, Industrial, NDT
UV-365MSBLC	X	X	X	X	X	4,500 $\mu\text{W}/\text{cm}^2$	6 in (15 cm) \emptyset	AC/DC (Li-Ion Battery)	10 hrs	Y	Aerospace, Industrial, NDT
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	Aerospace, Industrial, NDT
UV-365HC	X	X				6,000 $\mu\text{W}/\text{cm}^2$	7 in (17.8 cm) \emptyset	AC Cord	—	Y	Aerospace, Industrial, NDT
UV-365MHC	X	X				6,000 $\mu\text{W}/\text{cm}^2$	7 in (17.8 cm) \emptyset	AC/DC (Li-Ion Battery)	7 hrs	Y	Aerospace, Industrial, NDT
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	Aerospace, Industrial, NDT
UV-365HCR	X	X				6,000 $\mu\text{W}/\text{cm}^2$	6.4 in (16 cm) \emptyset	AC Cord & Reel	—	Y	Aerospace, Industrial, NDT
UV-365ES						< 5,000 $\mu\text{W}/\text{cm}^2$	6 in (15 cm) \emptyset	AC Cord	—	Y	Aerospace, Industrial, NDT
UV-365MEH						7,000 $\mu\text{W}/\text{cm}^2$	7 in (17.8 cm) \emptyset	AC/DC (Li-Ion Battery)	7 hrs	Y	Aerospace, Industrial, NDT
UV-365EH						7,000 $\mu\text{W}/\text{cm}^2$	7 in (17.8 cm) \emptyset	AC Cord	—	Y	Aerospace, Industrial, NDT
UV-365ZEH						9,000 $\mu\text{W}/\text{cm}^2$	7 in (17.8 cm) \emptyset	AC/DC (Li-Ion Battery)	8 hrs	Y	Aerospace, Industrial, NDT

Key Selling Points (uVision MAX):

- Optimized 9.5 in (24 cm) Diameter Coverage Area
- Wider angle beam pattern
- 4-lens UV-A Lenses
- Enhanced Thermal Management
- Compliant Design

Key Selling Points (uVision):

- Fanless design (cooler operation, longer life)
- IP65 waterproof rating
- Meets ALL major compliance standards
- 3.5-10 hour runtime options
- Wide, even beam coverage
- White light LED illumination



UV HANDHELD LAMP MATRIX

Technical specs for UV-A lamps



Pratt & Whitney

PARAMETERS	ASTM E3022-18	ISO 3059:2012	RRES 90061:2014	AITM6-1001 Issue 15	UV-A Inspection Requirements
Wavelength (nm)	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: Battery shut off: Temp cut off:	Ripple < 5% Intensity < 1,000 N/A	N/A	Ripple < 6% Current drop > 3% Over temp condition	Per ASTM E3022	Thermal management EMC
Report	Each lamp + Lamp model	N/A	Unit test Validation report	Per ASTM E3022	Per ASTM E3022

SPECTRO-UV®

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