TESTED TO COMPLY WITH BOTH

ASTM E3022 Standard | **Rolls-Royce RRES 90061** Requirements

SPECTROLINE® NDT

TRITAN™ 365

UV-A LED Hand-Held Lamp

TRI-365SBLC

Key Features:

- Nominal steady-state UV-A intensity of less than *5,000 µW/cm²* at 15 in (38 cm)
- Large 5.5 in (14 cm) diameter coverage area at 15 in (38 cm), with a minimum UV-A intensity of *1,200 µW/cm²*
- Low visible light emission—less than 0.5 foot-candle (5 lux)
- Long-lasting UV-A lenses reduce the rate of solarization
- Thermal cut-off circuitry prevents lamp from going out of compliance when internal temperature exceeds specifications
- ***Certificate of Conformance*** and ***full serialized validation report*** for both output and wavelength measurements supplied with each lam.

Innovating for Today ✦ Imagining for Tomorrow

TRITAN™ 365

- Fully compliant to ASTM E3022 and Rolls-Royce RRES 90061 for LED UV-A lamps.
- Faceplate with integral blacklight filters reduce output of wavelengths longer than 400 nm.
- White light LED allows for scanning of surface flaws or illuminating dark work spaces.
- Grip-mounted, three-way rocker switch (white light/off/UV) for easy control of light sources.
- Built-in fans keep LEDs cool to maintain optimum light output during extended use.
- Choice of standard 8 foot (2.4 m) or extra-long 20 foot (6.1 m) heavy-duty power cord with AC plug and rubber boot.
- Meets ASTM UV-A intensity and wavelength specifications for LPI and MPI.
- UV-absorbing spectacles and soft carrying case included.

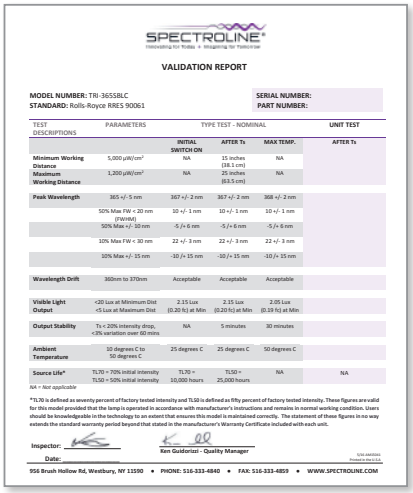
MODEL	NOMINAL STEADY-STATE UV-A (365 nm) INTENSITY at 15 in (38 cm) ①	VISIBLE LIGHT MEASUREMENT	UV-A COVERAGE AREA at 15 in (38 cm) at minimum 1,200 µW/cm²
TRI-365SBLC	4,500 µW/cm²	< 0.5 foot-candle (5 lux)	5.5 in (14 cm) diameter

Light Source:	3 UV-A LEDs, 1 White Light LED
Lamp Style:	Pistol grip
Lamp Head Diameter:	3.25 in (8.25 cm)
Length:	8.0 in (20.3 cm)
Weight:	1 lb (454 g)
White Light LED Intensity:	400 foot-candles (4,306 lux)
Power Requirements:	120VAC* Power cord

*Also available in 230V, 240V and 100V versions.

① UV-A intensity reading taken with the Spectroline® AccuMAX™ Series meter, and is factory set to the value shown.

CE


SPECTROLINE

VALIDATION REPORT

MODEL NUMBER: TRI-365SBLC
STANDARD: Rolls-Royce RRES 90061

SERIAL NUMBER:
PART NUMBER:

TEST DESCRIPTIONS	PARAMETERS	TYPE TEST - NOMINAL			UNIT TEST
		INITIAL SWITCH ON	AFTER Ts	MAX TEMP.	AFTER Ts
Minimum Working Distance	5,000 µW/cm²	NA	15 inches (38.1 cm)	NA	
Maximum Working Distance	1,200 µW/cm²	NA	25 inches (63.5 cm)	NA	
Peak Wavelength	365 +/- 5 nm	367 +/- 2 nm	367 +/- 2 nm	368 +/- 2 nm	
	50% Max FW + 20 nm (FWHM)	10 +/- 1 nm	10 +/- 1 nm	10 +/- 1 nm	
	50% Max +/- 10 nm	-5 /+ 6 nm	-5 /+ 6 nm	-5 /+ 6 nm	
	10% Max FW + 30 nm	22 +/- 3 nm	22 +/- 3 nm	22 +/- 3 nm	
	10% Max +/- 15 nm	-10 /+ 15 nm	-10 /+ 15 nm	-10 /+ 15 nm	
Wavelength Drift	360nm to 370nm	Acceptable	Acceptable	Acceptable	
Visible Light Output	<20 Lux at Minimum Dist <5 Lux at Maximum Dist	2.15 Lux (0.20 fc) at Min	2.15 Lux (0.20 fc) at Min	2.05 Lux (0.19 fc) at Min	
Output Stability	Ts < 20% intensity drop, <3% variation over 60 mins	NA	5 minutes	30 minutes	
Ambient Temperature	10 degrees C to 50 degrees C	25 degrees C	25 degrees C	50 degrees C	
Source Life*	TL70 = 70% initial intensity TL50 = 50% initial intensity	TL70 = 10,000 hours	TL50 = 25,000 hours	NA	NA

NA = Not applicable

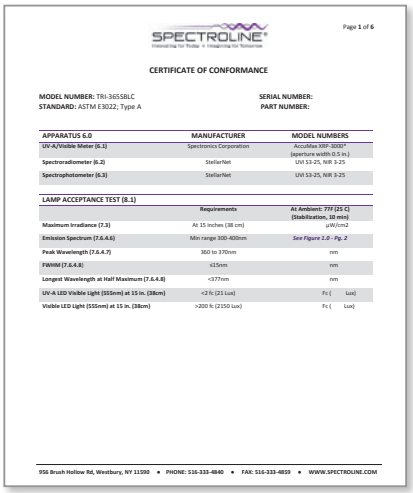
*TL70 is defined as seventy percent of factory tested intensity and TL50 is defined as fifty percent of factory tested intensity. These figures are valid for this model provided that the lamp is operated in accordance with manufacturer's instructions and remains in normal working condition. Users should be knowledgeable in the technology to an extent that ensures this model is maintained correctly. The statement of these figures in no way extends the standard warranty period beyond that stated in the manufacturer's Warranty Certificate included with each unit.

Inspector: _____
Date: _____

Ken Guidorizzi - Quality Manager

956 Brush Hollow Rd, Westbury, NY 11590 • PHONE: 516-333-4840 • FAX: 516-333-4859 • WWW.SPECTROLINE.COM

VALIDATION REPORT


SPECTROLINE

Page 1 of 6

CERTIFICATE OF CONFORMANCE

MODEL NUMBER: TRI-365SBLC
STANDARD: ASTM E3022, Type A

SERIAL NUMBER:
PART NUMBER:

APPARATUS 6.0	MANUFACTURER	MODEL NUMBERS
UV-A/Visible Meter (6.1)	Spectronics Corporation	AccuMax XRP-3000* (aperture width 0.5 in.)
Spectroradiometer (6.2)	StellarNet	UVI 53-25, NIR 3-25
Spectrophotometer (6.3)	StellarNet	UVI 53-25, NIR 3-25

LAMP ACCEPTANCE TEST (8.1)

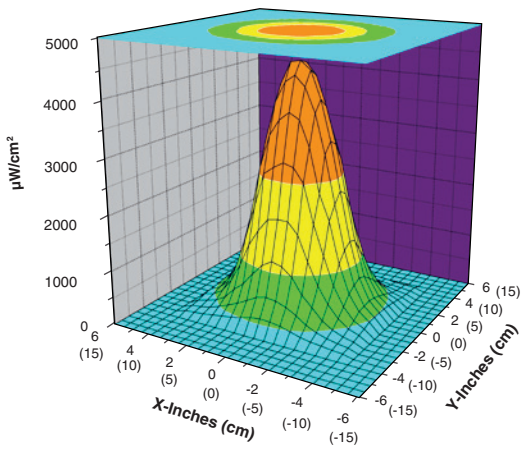
	Requirements	At Ambient: 77F (25 C) (Stabilization_10 min)
Maximum Irradiance (7.3)	At 15 inches (38 cm)	µW/cm2
Emission Spectrum (7.6.4.6)	Min range 300-400nm	See Figure 1.0 - Pg. 2
Peak Wavelength (7.6.4.7)	360 to 370nm	nm
FWHM (7.6.4.8)	≤15nm	nm
Longest Wavelength at Half Maximum (7.6.4.8)	<377nm	nm
UV-A LED Visible Light (555nm) at 15 in. (38cm)	<2 fc (21 Lux)	Fc (Lux)
Visible LED Light (555nm) at 15 in. (38cm)	>200 fc (2150 lux)	Fc (Lux)

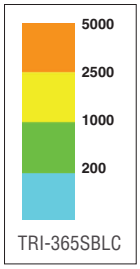
956 Brush Hollow Rd, Westbury, NY 11590 • PHONE: 516-333-4840 • FAX: 516-333-4859 • WWW.SPECTROLINE.COM

CERTIFICATE OF CONFORMANCE

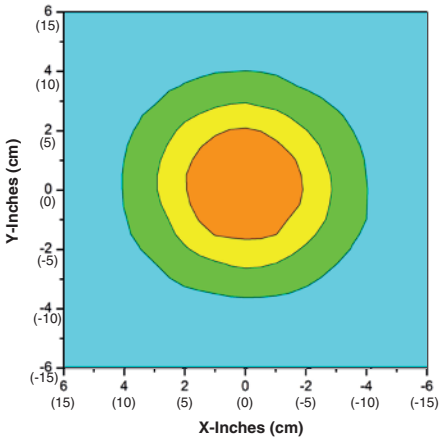
UV-A BEAM PROFILE

Surface Contour Profile at 15 in (38 cm)





Top Intensity Profile at 15 in (38 cm)



SPECTRONICS CORPORATION
www.spectroline.com
956 Brush Hollow Rd, Westbury, NY 11590 USA
800-274-8888 • 516-333-4840

DISTRIBUTED BY

NDT
10/16 A15266-6
PRINTED IN U.S.A.