



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 $5,000 \mu W/cm^2$ at 15 inches (38 cm).
- ▶ Large 4 inch (10 cm) diameter coverage area at 15 inches (38 cm), with a minimum UV-A intensity of $2,500 \mu W/cm^2$.
- ▶ 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 lamp.

**LONG-LASTING
UV-A LENSES**
Reduce the rate of
solarization

WHITE LIGHT LED
Allows for scanning
surface flaws

Faceplate with
**INTEGRAL
BLACK LIGHT
FILTERS**

EASY CONTROL
Grip-mounted, three-
way rocker switch
(white light/off/UV)

THERMAL CUT-OFF CIRCUITRY
Prevents lamp from going out of compliance when
internal temperature exceeds specifications

TWO CORD CHOICES
Standard or extra-long
with AC plug and rubber boot

RUBBER BUMPER
with Borofloat® glass lens
protects LEDs from damage

BUILT-IN FANS
Maintain optimum
light output



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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 LPT and MPT.
- UV-absorbing spectacles and soft carrying case included.

MODEL	NOMINAL STEADY-STATE UV-A (365 NM) INTENSITY at 15 inches (38 cm) ①	VISIBLE LIGHT MEASUREMENT	DIAMETER OF UV-A COVERAGE AREA at 15 inches (38 cm)
TRI-365SBLC	< 5,000 $\mu\text{W}/\text{cm}^2$ maximum	< 0.5 foot-candle (5 lux)	4 inch (10 cm)

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 Spectrolin[®] AccuMAX™ Series meter, and is factory set to the value shown.



SPECTROLIN [®] VALIDATION REPORT					
MODEL NUMBER: TRI-365SBLC STANDARD: Rolls Royce RRES 90061		TYPE TEST: NOMINAL		SERIAL NUMBER: PART NUMBER:	
TEST DESCRIPTIONS	PARAMETERS	INITIAL SWITCH ON	AFTER 1h	MAX TEMP.	AFTER 2h
Minimum Working Distance	1,000 $\mu\text{W}/\text{cm}^2$	NA	15 inches (38.1 cm)	NA	
Maximum Working Distance	1,200 $\mu\text{W}/\text{cm}^2$	NA	20 inches (50.8 cm)	NA	
Peak Wavelength	365 +/- 5 nm	367 +/- 2 nm	367 +/- 2 nm	368 +/- 2 nm	
	50% Max PW < 20 nm (FWHM)	20 +/- 1 nm	20 +/- 1 nm	20 +/- 1 nm	
	50% Max FWHM	-6 +/- 6 nm	-5 +/- 6 nm	-5 +/- 6 nm	
	10% Max FWHM	22 +/- 1 nm	22 +/- 1 nm	22 +/- 1 nm	
	10% Max +/- 35 nm	-10 +/- 15 nm	-10 +/- 15 nm	-10 +/- 15 nm	
Wavelength Drift	30nm to 370nm	Acceptable	Acceptable	Acceptable	
Visible Light Output	< 20 Lux at Minimum Dist. (0.20 ft) at Min. (0.20 ft) at Min. (0.20 ft) at Min.	2.35 Lux	2.35 Lux	2.35 Lux	
Output Stability	7% +/- 20% intensity drop, 30% variation over 30 mins	NA	5 minutes	30 minutes	
Ambient Temperature	30 degrees C to 50 degrees C	25 degrees C	25 degrees C	50 degrees C	
Source Life*	75,000 +/- 10% initial intensity	75,000 +/- 10%	75,000 +/- 10%	75,000 +/- 10%	
	75,000 +/- 10% initial intensity	20,000 hours	20,000 hours	20,000 hours	

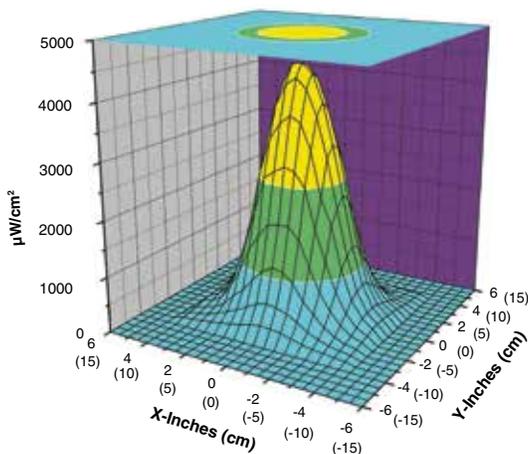
✓ VALIDATION REPORT

SPECTROLIN [®] CERTIFICATE OF CONFORMANCE			
MODEL NUMBER: TRI-365SBLC	STANDARD: ASTM E3022, Type A	SERIAL NUMBER:	PART NUMBER:
APPROVED BY:	MANUFACTURER:	DATE:	REVISION:
INSPECTOR:	TEST DATE:	TEST TIME:	TEST LOCATION:
TEST RESULTS:	TEST METHOD:	TEST EQUIPMENT:	TEST CONDITIONS:
TESTER:	TESTER SIGNATURE:	TESTER TITLE:	TESTER COMPANY:

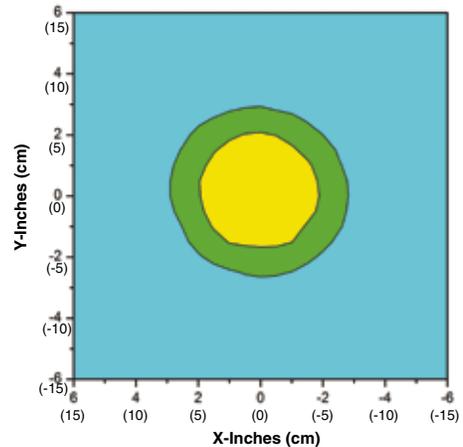
✓ CERTIFICATE OF CONFORMANCE

UV-A BEAM PROFILE

SURFACE CONTOUR PROFILE AT 15 IN (38 CM)



TOP INTENSITY PROFILE AT 15 IN (38 CM)



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