NDT Supply.com, Inc.
7952 Nieman Road
Lenexa, KS 66214-1560 USA

SPECTROLINE®
Innovating for Today ✦ Imagining for Tomorrow

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	UVIS3-25, NIR 3-25
Spectrophotometer (6.3)	StellarNet	UVIS3-25, 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 Measurement (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)

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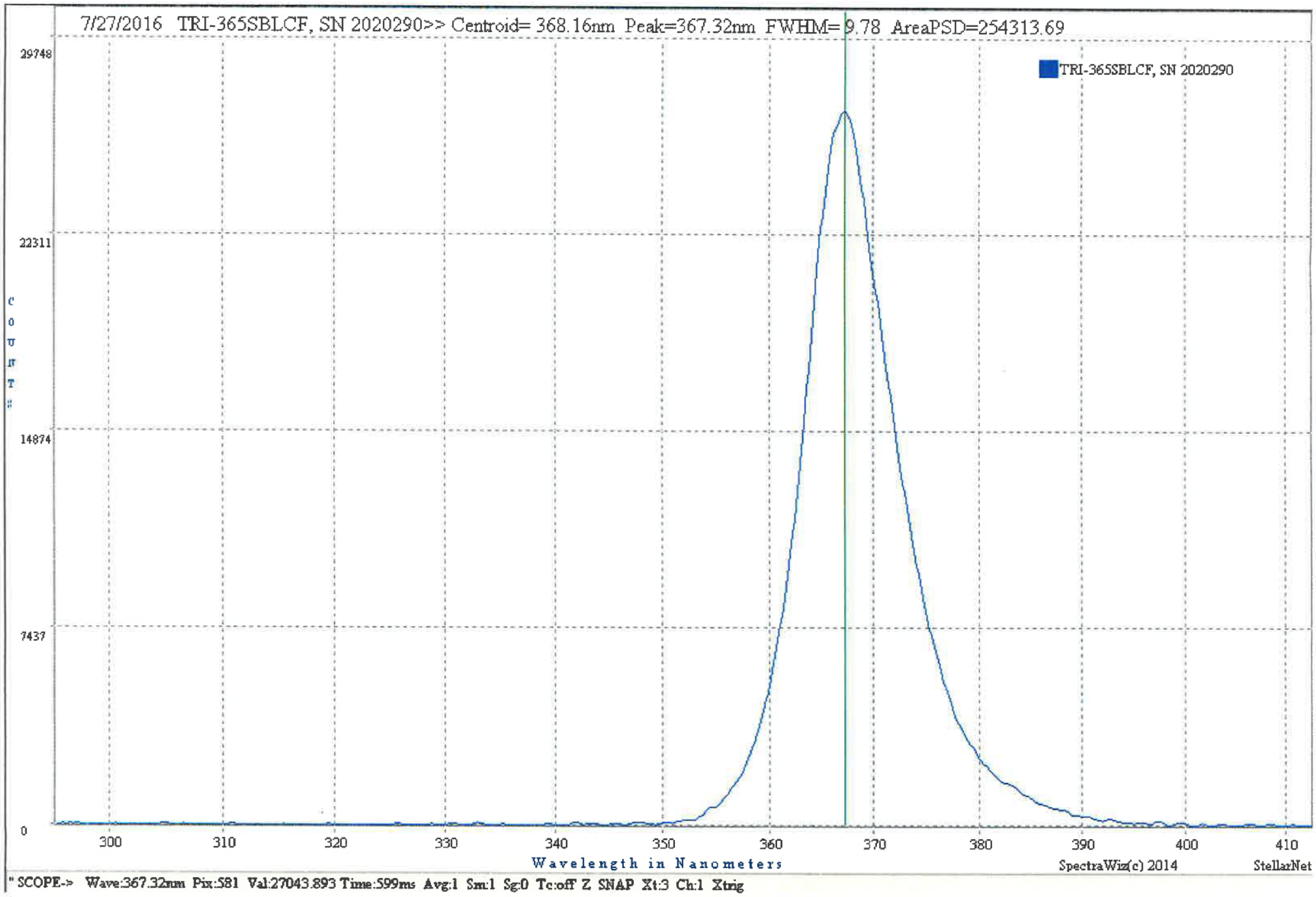

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LAMP MODEL TESTS (10.1) *(All Values Nominal)*	**Requirements**	**At Ambient: 77F (25 C) (Stabilization, 10 min)**
Maximum Irradiance (7.3)	Stabilization for 5 min At 15 inches (38 cm)	4,500 +/- 250 µW/cm²
Maximum Housing Temperature (7.6.1)	At stabilization < 120F (43.3C)	93 +/- 5 F (34 +/- 3 C)

Beam Irradiance Profile (7.4)	**Stabilization for 30 min At 15 inches (38 cm)**	***See Figure 2.0***
Minimum Beam Diameter	At 1,000 µW/cm²	5.5 in (14 cm)
Minimum Beam Diameter	At 200 µW/cm²	7.5 in (19 cm)

Minimum Working Distance (7.5)	**Stabilization for 30 Min Uniform Beam Pattern**	**6 in (15 cm)** ***See Figure 3.0***

Figure 2.0

BEAM IRRADIANCE PROFILE FOR TRI-365SBLC AT 15” (38 cm)

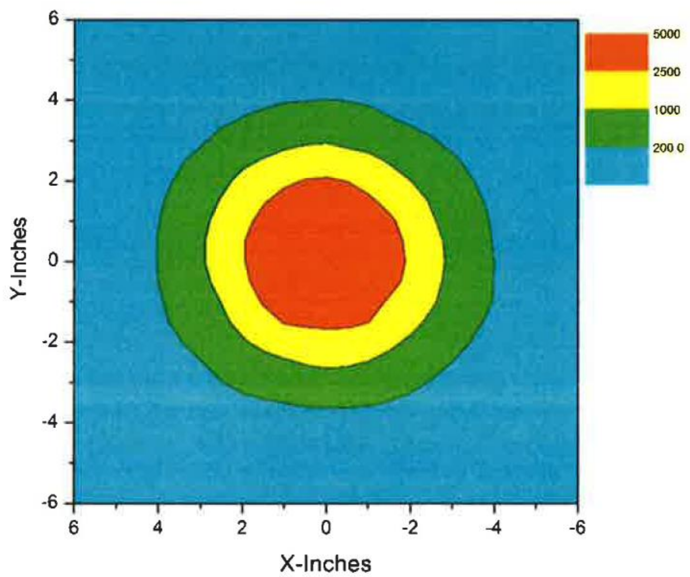
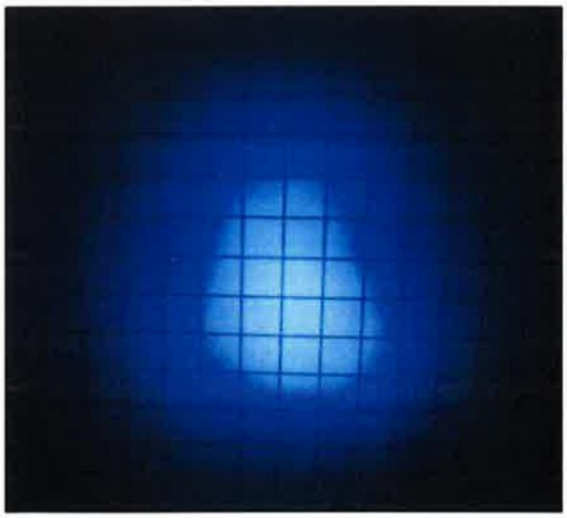


Figure 3.0

UNIFORM BEAM PATTERN TRI-365SBLC AT 6” (15 cm)



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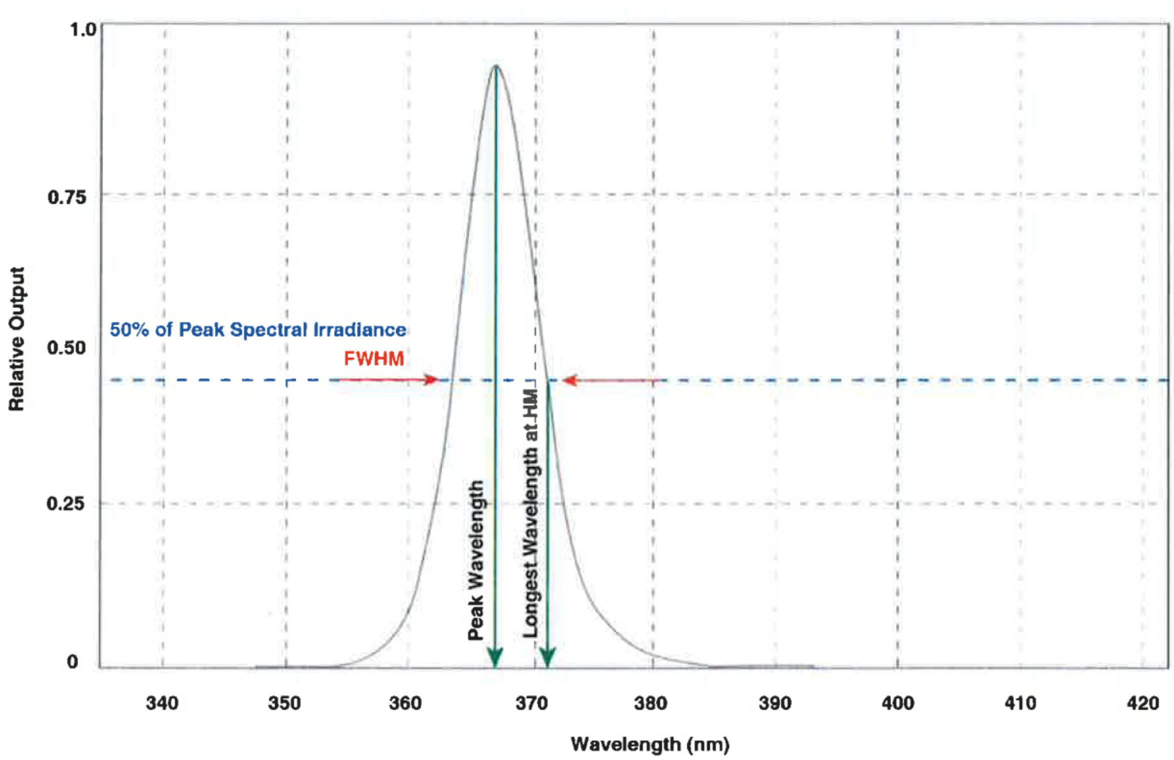
EMISSION SPECTRUM (7.6.4.6)		(A) Switch-On	(B) Stabilization, 10 min	(C) Stabilization, 30 min
	Min range 300-400nm	At Ambient: 77F (25 C)	At Ambient: 77 F (25 C)	At Elevated Temperature Maximum: 122 F (50 C)
Peak Wavelength (7.6.4.7)	360 to 370 nm	367 +/- 2 nm	367 +/- 2 nm	368 +/- 2 nm
FWHM (7.6.4.8)	≤ 15nm	10 +/- 1 nm	10 +/- 1 nm	10 +/- 1 nm
Longest Wavelength at Half Maximum (7.6.4.8)	< 377nm	373 +/- 2 nm	373 +/- 2 nm	374 +/- 2 nm
Excitation Irradiance (7.6.4.9)	≥ 2,000 μW/cm²		4,750 μW/cm²	3,850 μW/cm²
Current Ripple (7.6.5)	Signal: Noise > 200 : 1 ≤ 5% (peak-to-peak) For each LED-circuit	-	Acceptable	Acceptable
UV-A LED Visible Measurement (555nm) at 15 in. (38cm)	< 2 fc (21 Lux)	0.20fc (2.15 Lux)	0.20fc (2.15 Lux)	0.19fc (2.05 Lux)

(A) EMISSION SPECTRUM AT SWITCH-ON



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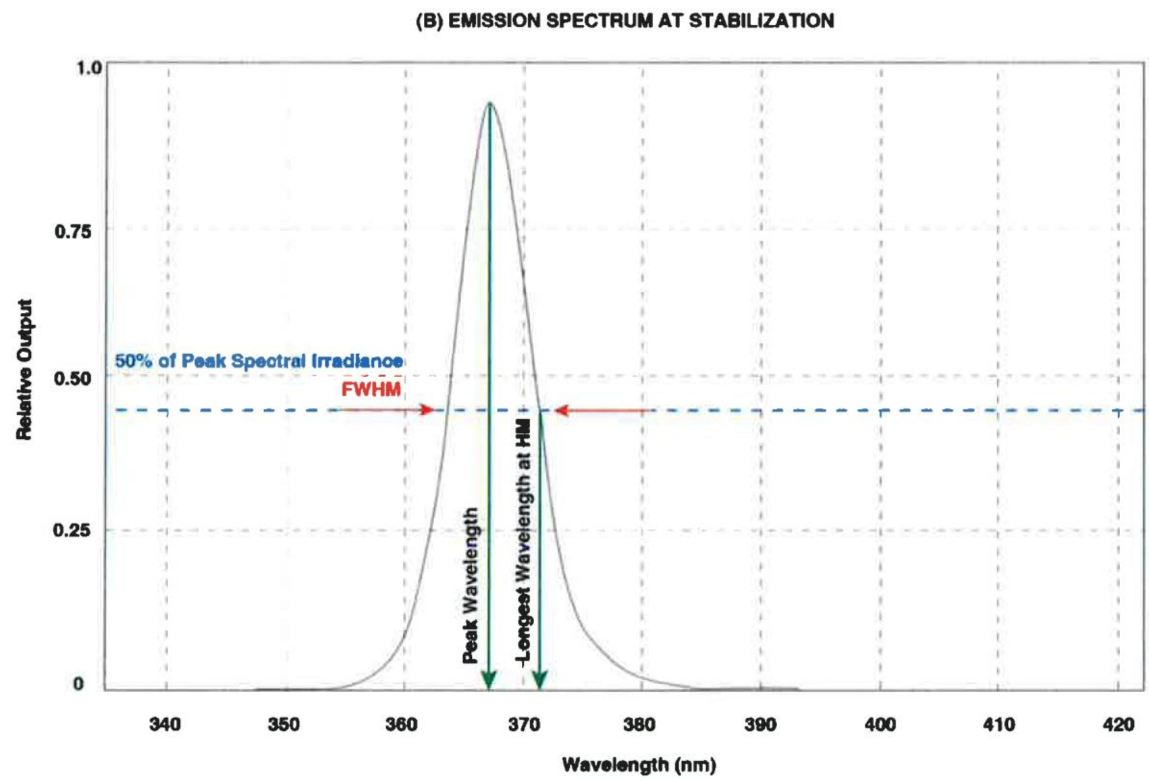

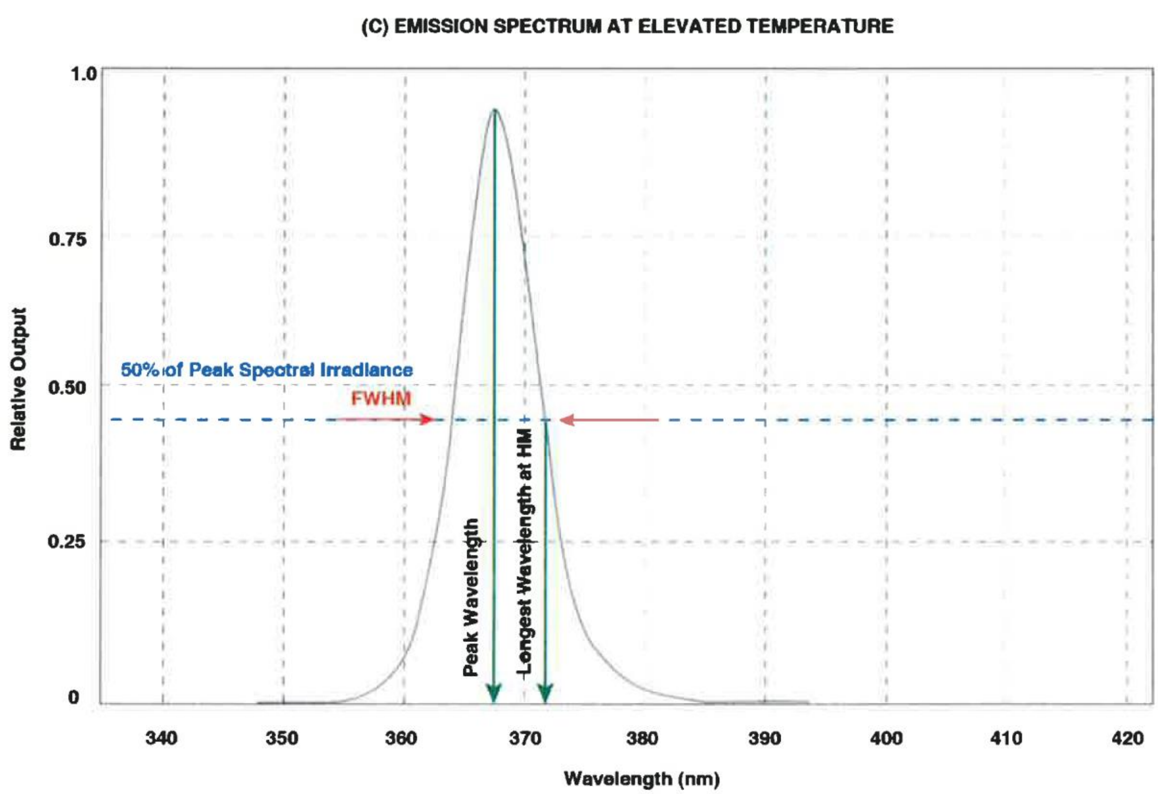

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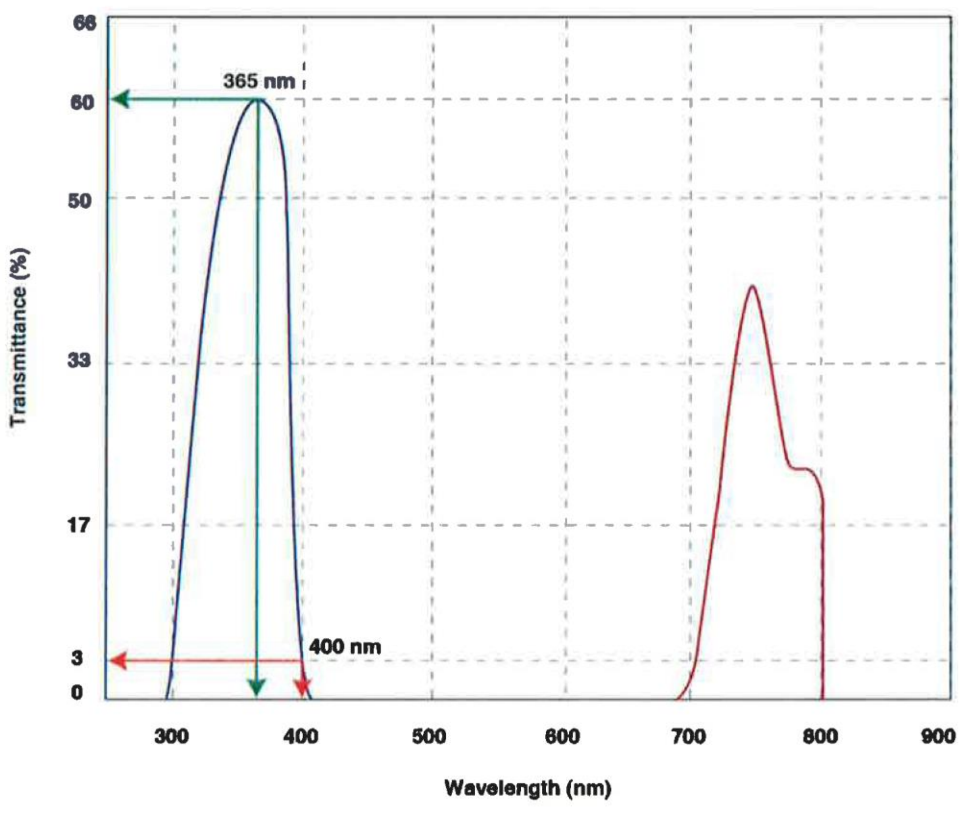
Filter Transmittance (7.8)	Requirements	Lamp Model
	Min Range 300-800nm	*Figure 4.0*
	365nm 380nm ≤ 85% 400nm ≤ 30% 420nm ≤ 5% 425 to 670nm ≤ 0.2%	365nm = 60% 380nm = 53% 400nm = 3% 420nm = 0% 425nm to 670nm = 0%
Minimum Filter Thickness		0.13 in (0.33 cm)

Figure 4.0

SPECTRAL TRANSMITTANCE CURVE



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