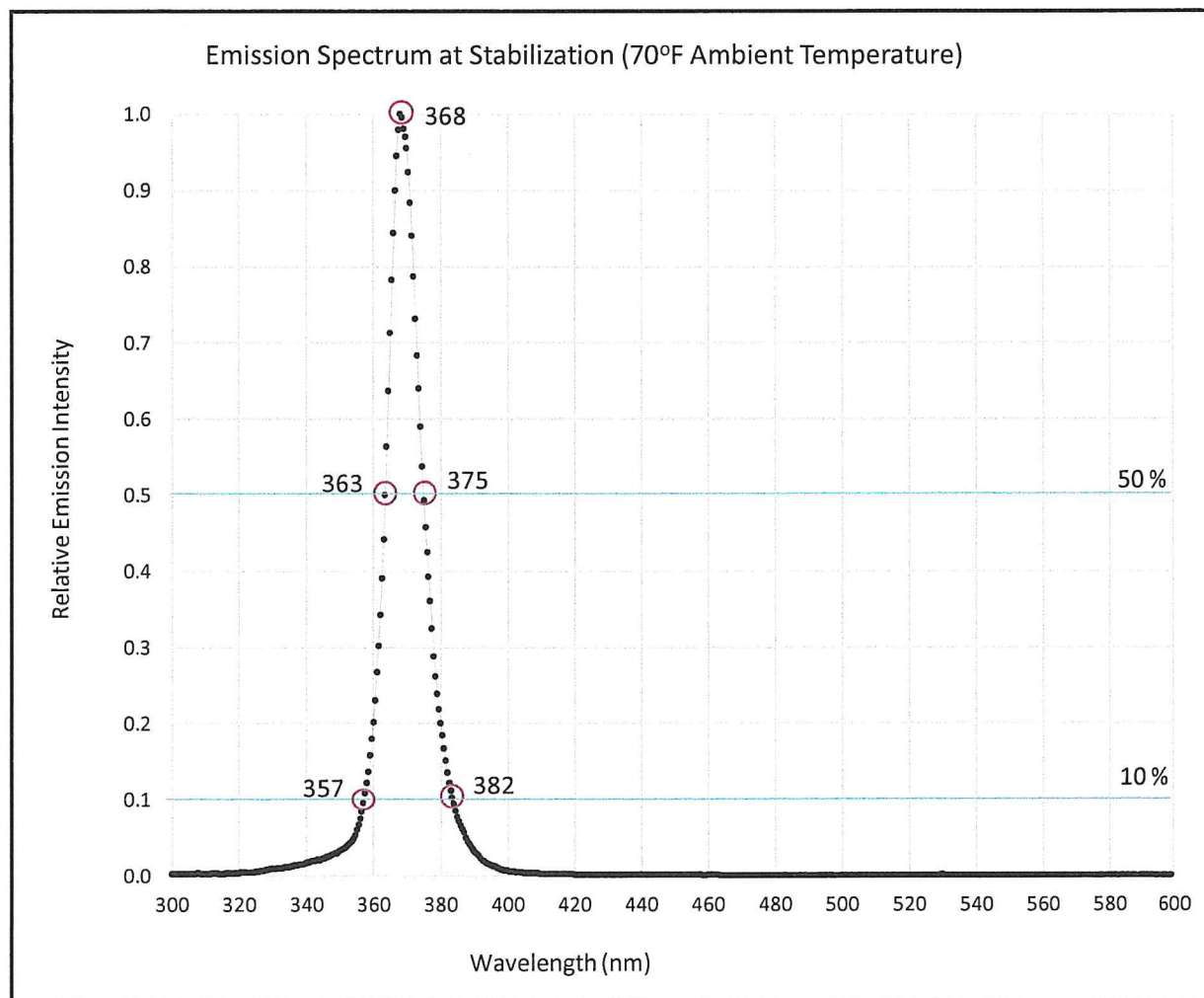


SN# 000137 Lamp Specific Acceptance Test



Model: UV-4700, Profusion XW	Result	Steady State	Acceptable	Units
Lamp Specific Acceptance Test	Pass	368 ⁻	365 ± 5	nm
Full Width Half Maximum (FWHM)	Pass	12 ⁻	≤ 15	nm
Full Width at 10% Maximum	Pass	25 ⁻	≤ 30	nm
Longest Wavelength at Half Maximum	Pass	375 ⁻	≤ 377	nm
Max Excitation Irradiance (347-382 nm)	Pass	9,473 ⁻	≥ 7,000	μW/cm ²

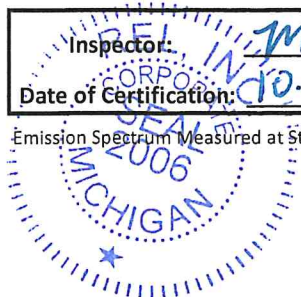


Inspector: MHP
 Date of Certification: 10-14-2025

This lamp has been tested to conform to all requirements of:

ASTM E3022 ✓ AITM6-1001 ✓ ISO 3059 ✓ RRES 90061 ✓

Emission Spectrum Measured at Stabilization Temperature with Blue-wave UV-25 S/N 22011404, Certificate Number 22011404-UV-CR2-1124



Profusion XW Series, Certificate of Conformance



SN# 000137	Switch On	Steady State	Elevated Temp*	Acceptable	Units
Peak Output Wavelength	367	368	370	365 ± 5	nm
Full Width Half Maximum (FWHM)	12	12	13	≤ 15	nm
Full Width at 10% Maximum	25	25	27	≤ 30	nm
Longest Wavelength at Half Maximum	374	375	376	≤ 377	nm
Visible Emission	20	18	15	≤ 20	Lux
Max Excitation Irradiance (347-382 nm)	10,894	9,473	7,100	7,000	$\mu\text{W}/\text{cm}^2$
Irradiance at Peak Output Wavelength	821	714	520	-	$\mu\text{W}/\text{cm}^2$
Body Stabilization Temp (70°F Ambient)	-	92	-	≤ 120	°F
Current Ripple	9	9	9	≤ 35	mA peak-peak

* Tested in a 115°F Environment, the **maximum ambient temperature where still light meets all requirements**

All testing was conducted at 24 inches from sensor unless otherwise noted

