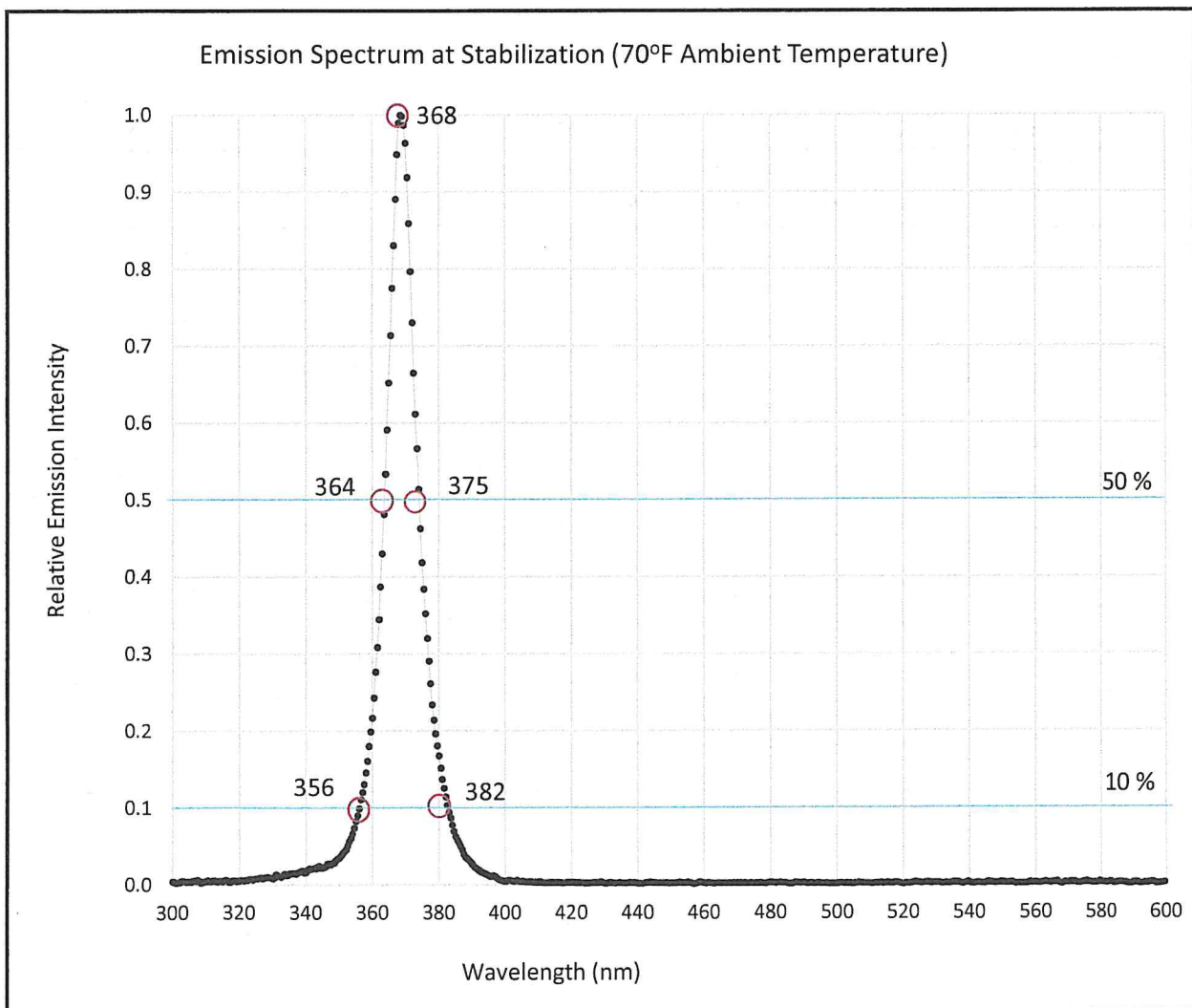




SN# 290739-01 Lamp Specific Acceptance Test

Model: Nomad-Ascent	Result	Steady State	Acceptable	Units
Peak Output Wavelength	Pass	368 ✓	365 ± 5	nm
Full Width Half Maximum (FWHM)	Pass	11 ✓	≤ 15	nm
Full Width at 10% Maximum	Pass	26 ✓	≤ 30	nm
Longest Wavelength at Half Maximum	Pass	375 ✓	≤ 377	nm
Max Excitation Irradiance (347-382 nm)	Pass	1712 ✓	≥ 1200	$\mu\text{W}/\text{cm}^2$



Inspector: MHP
Date of Certification: 2-28-2025

This lamp has been tested to conform to all requirements of:
ASTM E3022 ✓ AITM6-1001 ✓ ISO 3059 ✓ RRES 90061 ✓

Nomad-Ascent, Certificate of Conformance



SN# 290739-01	Switch On	Steady State	Elevated Temp*	Acceptable	Units
Peak Output Wavelength	367	368	370	365 ± 5	nm
Full Width Half Maximum (FWHM)	11	11	12	≤ 15	nm
Full Width at 10% Maximum	26	26	24	≤ 30	nm
Longest Wavelength at Half Maximum	375	375	375	≤ 377	nm
Visible Emission at 15 in	8	6	5	≤ 20	Lux
Visible Emission at 36 in	2	2	2	≤ 5	Lux
Irradiated Area at 15 in ($>1000 \mu\text{W}/\text{cm}^2$)	12	8	7	≥ 5	Inch Diameter
Max Excitation Irradiance (347-382 nm)	2,140	1,712	1,200	≥ 1000	$\mu\text{W}/\text{cm}^2$
Irradiance at Peak Output Wavelength	170	136	102	-	$\mu\text{W}/\text{cm}^2$
Min Working Distance** ($< 5000 \mu\text{W}/\text{cm}^2$)	9	8	8	-	Inches
Max Working Distance** ($> 1200 \mu\text{W}/\text{cm}^2$)	17	16	15	-	Inches
Handle Stabilization Temp (70°F Ambient)	-	120	-	≤ 120	°F
Current Ripple	26	26	26	≤ 58	mA peak-peak
Typical Battery Discharge Time (18Wh Batt)	-	95	-		Minutes

* Tested in a 85 °F Environment, the maximum ambient temperature where still light meets requirements

** Nomad-Ascent has tightly grouped LED emitters, thus beam uniformity does not change with working distance (RRES 90061)

Glass UV Pass filter

Transmittance:

-0% < 275nm

-85% (Peak) @ 365nm

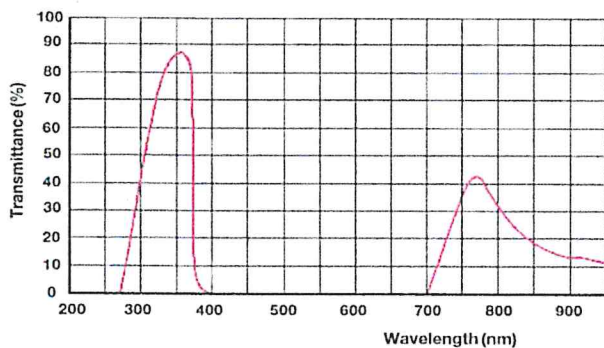
-0% > 400nm < 675nm

Secondary Peak -42% @ 775nm

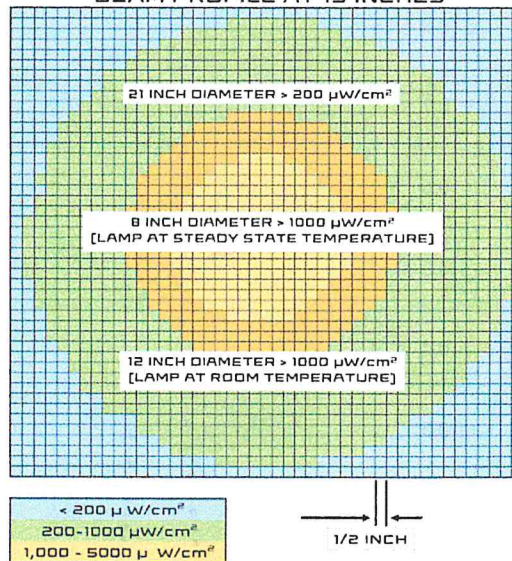
<20% above 825nm

Used in forensics, Testing, chemical analysis.

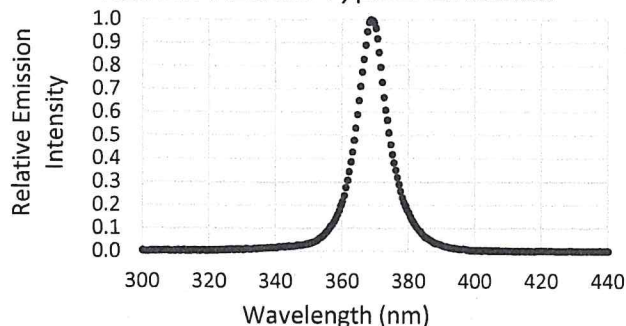
DIA: 25mm T: 1.5mm WT: .004



BEAM PROFILE AT 15 INCHES



Nomad-Ascent Typical Emission



Performance over time

