

Radiant Flux Test Report

LLIA002337-013-R01

Catalog Number: PXL Series - Xenon Only
 Suspended mounted, black plastic housing, specular reflector,
 clear plastic lens with linear prisms on the inside surface.
 One pulsed xenon lamp
 One Tomar model GSPS-120 power supply

Performance Summary

Radiometric and Quantum (350-1050nm)

Total Radiant Flux	2423.88 mW
Peak Instantaneous Radiant Flux	5788.5 W
Total Photon Flux	15.117 $\mu\text{mol}\cdot\text{s}^{-1}$
Peak Instantaneous Photon Flux	36101 $\mu\text{mol}\cdot\text{s}^{-1}$

Peak-to-Average Ratio 2388.1



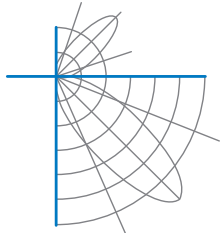
Time-averaged Luminous Flux 234.7 Lumens
 Pk Instantaneous Luminous Flux 560563 Lumens

Prepared For:
 Neotek, Inc.
 1030 Dividend Road
 Midlothian, TX 76065, USA

*This test report supersedes previous versions - see the end of this report for a list of revisions

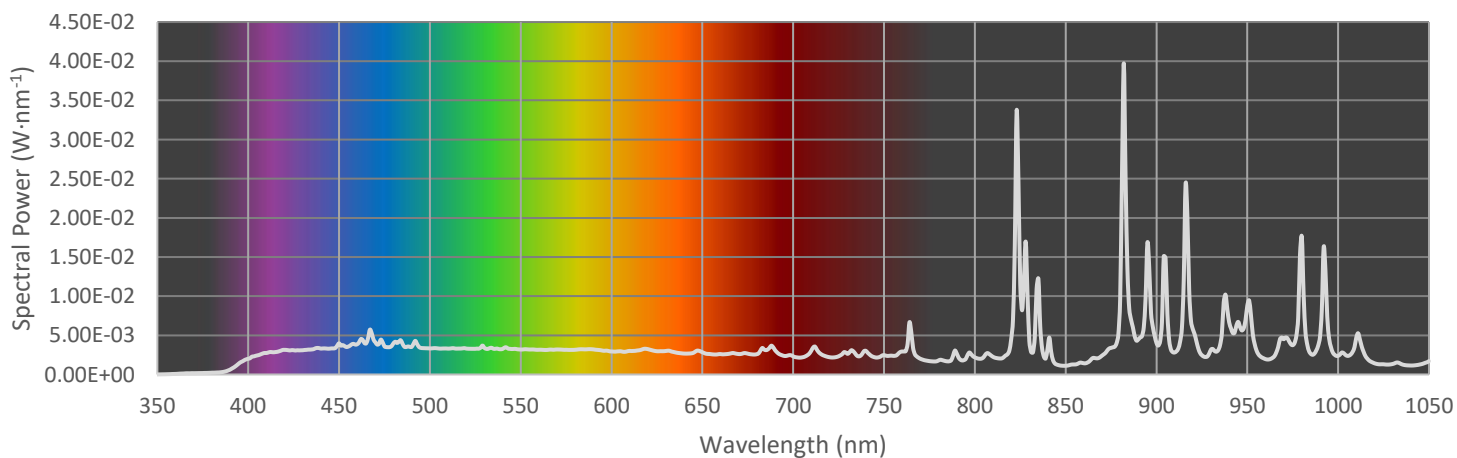
Test date: 03/26/2024
 Report date: 04/03/2024

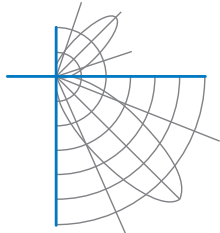
Signed: _____



Test Report Number: LLIA002337-013-R01

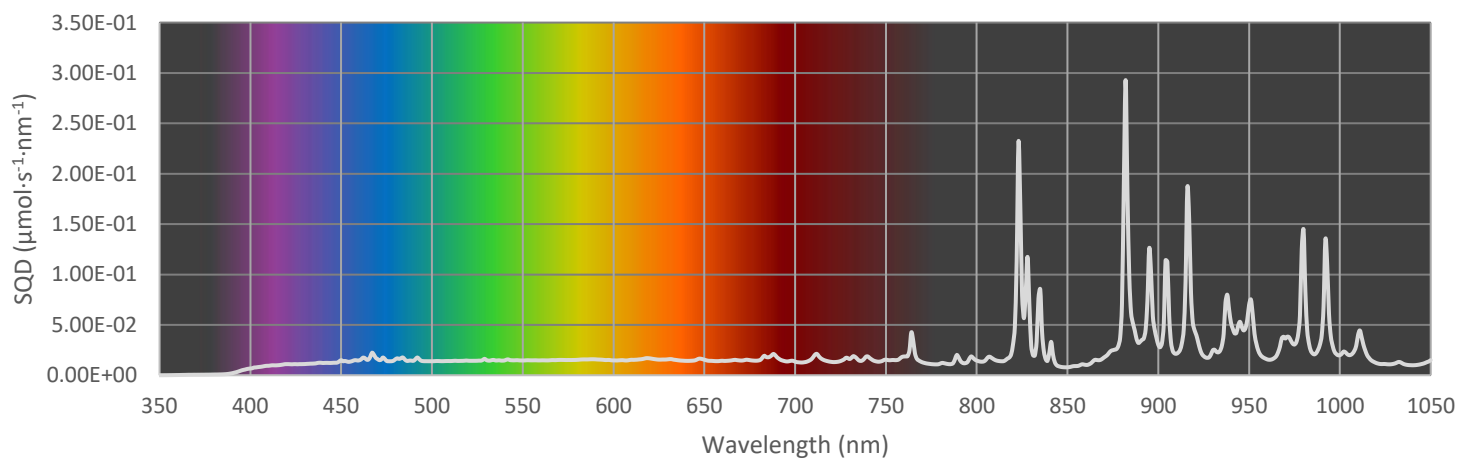
Radiant Flux Tabulation			
Waveband (nm)	Radiant Flux (mW _r)	Percent of Total	Pk Instant. Radiant Flux (W _r)
UV-A 350-400	20.541	0.8%	49.05
400-500	345.517	14.3%	825.13
500-600	323.630	13.4%	772.87
600-700	283.521	11.7%	677.08
Far-Red 700-800	246.299	10.2%	588.19
Total 350-1050	2423.879	100.0%	5788.50
PAR 400-700	952.668	39.3%	2275.08





Test Report Number: LLIA002337-013-R01

Photon Flux Tabulation			
Waveband (nm)	Photon Flux ($\mu\text{mol}\cdot\text{s}^{-1}$)	Percent of Total (%)	Pk. Instant. Photon Flux ($\mu\text{mol}\cdot\text{J}^{-1}$)
UV-A 350-400	0.0669	0.4%	159.875
400-500	1.3101	8.7%	3128.627
500-600	1.4860	9.8%	3548.730
600-700	1.5381	10.2%	3673.093
Far-Red 700-800	1.5411	10.2%	3680.315
Total 350-1050	15.1171	100.0%	36101.459
PAR 400-700	4.3341	28.7%	10350.450



North America (issuing laboratory)

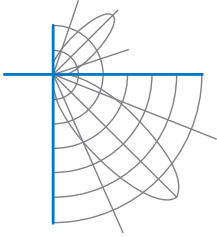
LightLab International Allentown, LLC
905 Harrison Street, Suite 135
Allentown, PA 18103 USA

Ph: +1 484-273-0705
Fx: +1 484-209-5779
www.lightlaballentown.com

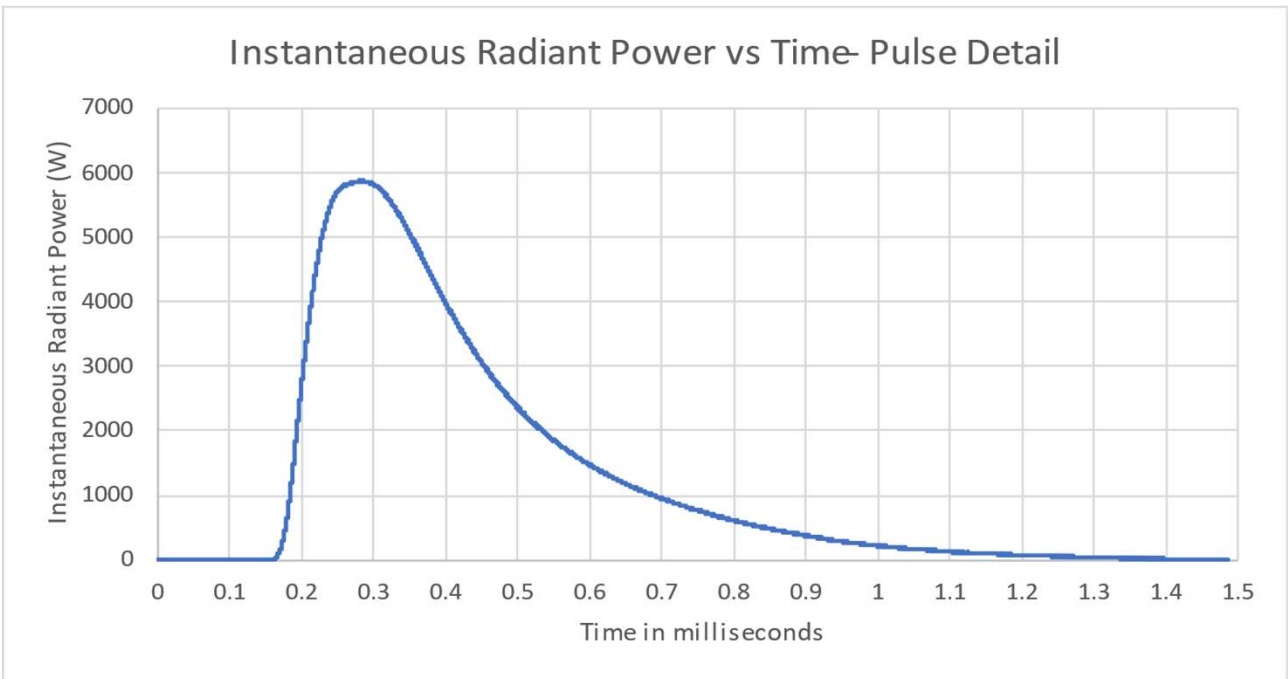
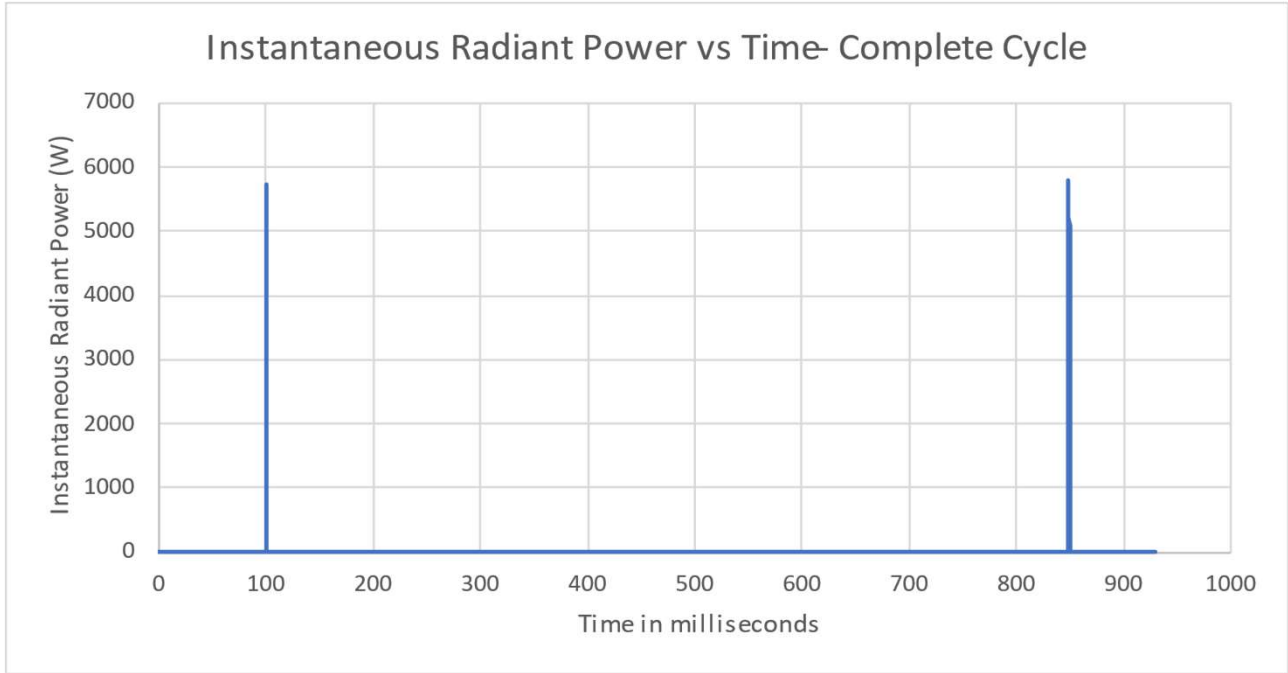
Australasia & S.E. Asia

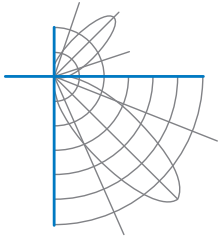
LightLab International
50 Redcliffe Gardens Drive
Clontarf - Queensland, 4019, Australia

Ph : +61 7 3283 7862
Fx : +61 7 3283 8751
www.lightlabint.com



Test Report Number: LLIA002337-013-R01





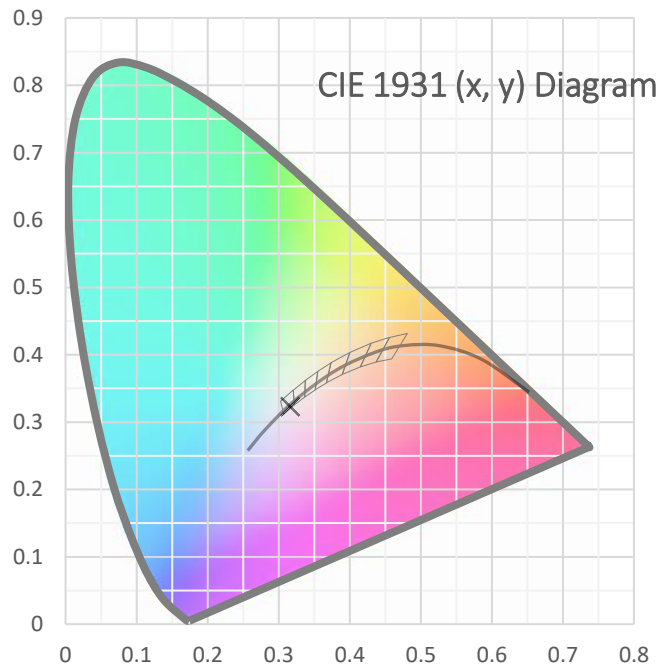
Test Report Number: LLIA002337-013-R01

Electrical Data

Voltage	120.0 Vac
Frequency	60.00 Hz

Photometric (Human Vision) Data

Total Luminous Flux	234.7 lm
Pk. Instantaneous Luminous Flux	560491 lm
Chromaticity (x,y)	(0.3162, 0.3232)
(u',v')	(0.2025, 0.4657)
Duv	-0.0016
CCT	6356 K
CRI (Ra)	96
R9	87
TM-30: Rf	98
TM-30: Rg	101





Test Report Number: LLIA002337-013-R01

Test Equipment Configuration:	Measurements acquired using the LightLab International Allentown, LLC Labsphere 2m Integrating Sphere system with spectroradiometer. Testing was performed using 4π geometry
Test Temperature:	24.4 °C
Test Procedure:	Tested in accordance with the applicable sections of: LM-51-20, LM-78-20, LM-58-20, ANSI C82-77-10:2014, TM-30-20
Significance:	The laboratory has not participated in the selection of samples to be tested. All testing is performed on the understanding that the significance of the report is limited to the extent that the test sample is representative of production units.
Notes:	The measurements and other derived quantities contained in this report are based on the absolute data as measured. Prorating the performance of the sample for the use of other component combinations (such as lamp / LED / Ballast / driver), or for use in different environmental conditions than that tested, may produce erroneous results. This report is free of erasures and corrections This report may contain data that are not covered by the NVLAP accreditation. Quantities marked with ‡ are not covered.
Revision History:	R01 - 04/03/2024 - Revised description to describe only the tested xenon lamp