Photometric Test Report

FL200-G2-XXX-RGBW3083-OM-4L-INF-XXXXX-X (G)

Laboratory and Equipment

Test lab	Viso LabSpion - serial: 2007279764 sensor serial: 0690170290 - Test lab
Spectrometer Manufacturer and Model	LabSpion – Type C, horizontal
Measurement serial number	PH-GVA-2026.Mar.17-7389-VO
Measurement date	2026-03-17

Measurement Conditions

Tested c-planes	36 planes – 10.00°
Tested gamma resolution	0.15°
Input Power	0 W

Electrical Data

Input Power	0 W
Input Voltage	118.1 V DC
Input Current	0.00 A
Power Factor	NaN

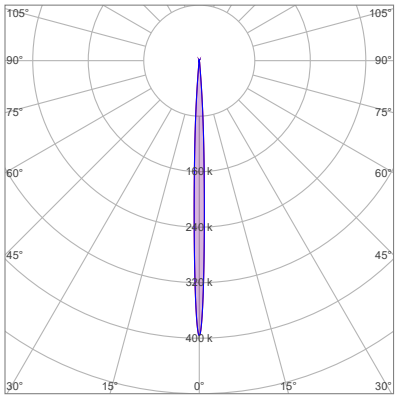
Tested Light Source

Product family	FL200-G2
Luminaire configuration	FL200-G2-XXX-RGBW3083-OM-4L-INF-XXXXX-X (G)
Manufacturer	GVA Lighting, Inc.
Size (width x length x height)	106 mm 0 mm x 430 mm

Main Light Measurement Results

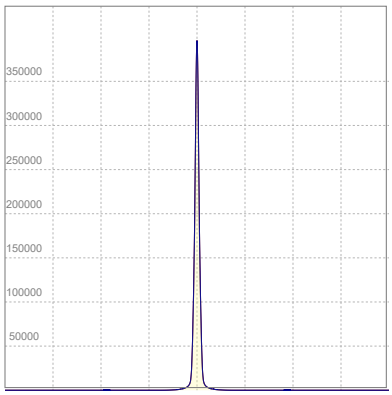
Output – Total Lumen	3813 - 0% / 100%
Efficiency	∞ lm/W
Peak Intensity	395558
Correlated Color Temperature, CCT	n/a
Color Rendering Index	n/a
Beam Angle (FWHM) | C0/180	4.2°
Beam Angle (FWHM) | C90/270	4.2°
Field Angle (10%) | C0/180	9.1°Unit: 0-100% of peak intensity
Optical Power	7832 mW
Peak Wavelength	522 nm
Dominant Wavelength	528 nm

Polar Light Distribution Diagram
Unit: 0-100% of peak intensity

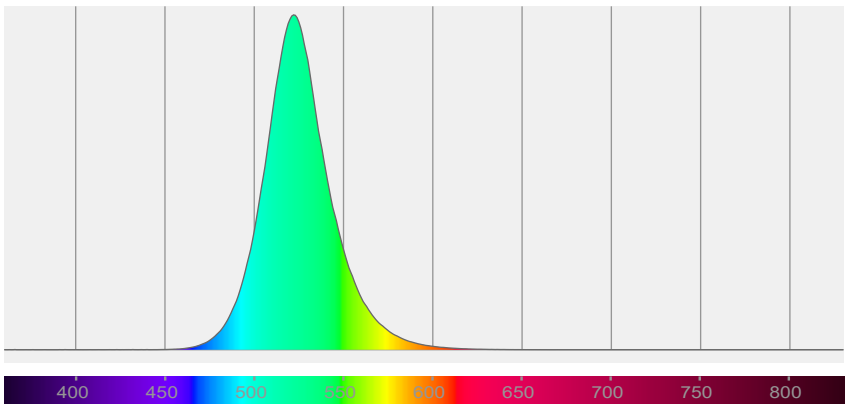


C0 - C180
C90 - C270
η = 100%

Linear distribution Diagram



Spectral Distribution



Color Temperature

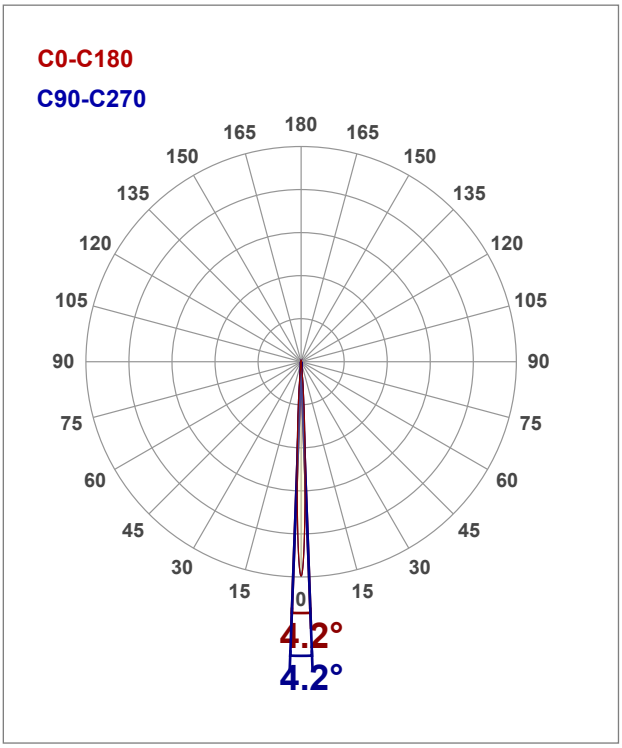
NaN K

Photometric Test Report

FL200-G2-XXX-RGBW3083-OM-4L-INF-XXXXX-X (G)

Luminous Intensity diagram

Unit: 0-100% of peak intensity



Main Values

Output (total Lumen)	3813 lm
Lumen Up% / Down%	0% / 100%
Peak Intensity	395558 cd
Beam Angle (50%-FWHM)	4.2°

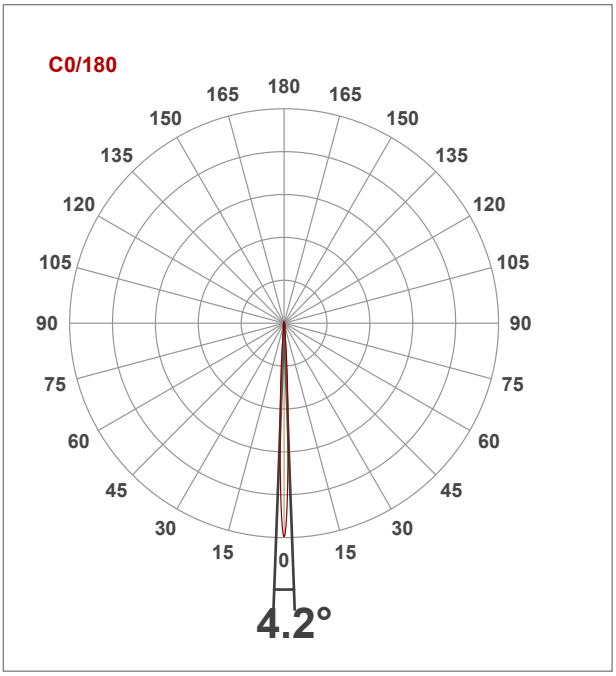
EU Ecodesign parameters

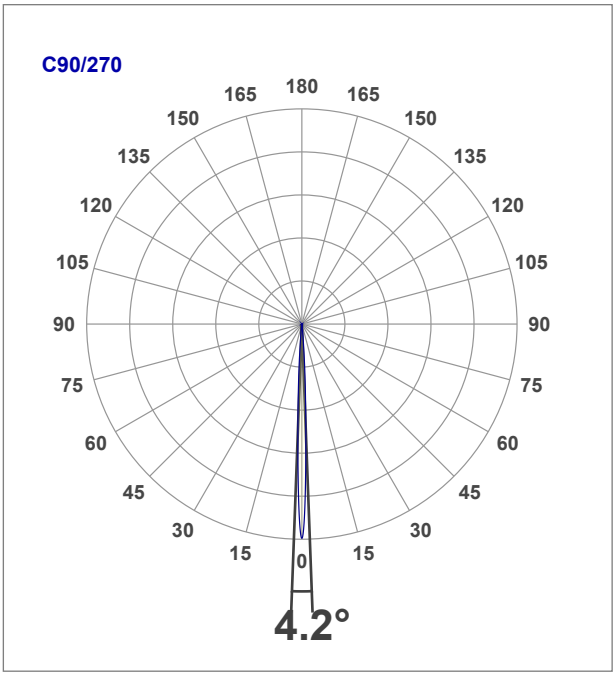
Directionality (DLS or NDLS)	DLS
Ecodesign Useful Luminous Flux	3813 lm
Ecodesign Energy Class	A

Intensity Ratio

In 120° cone	100%
In 90° cone	100%

Angular Distribution

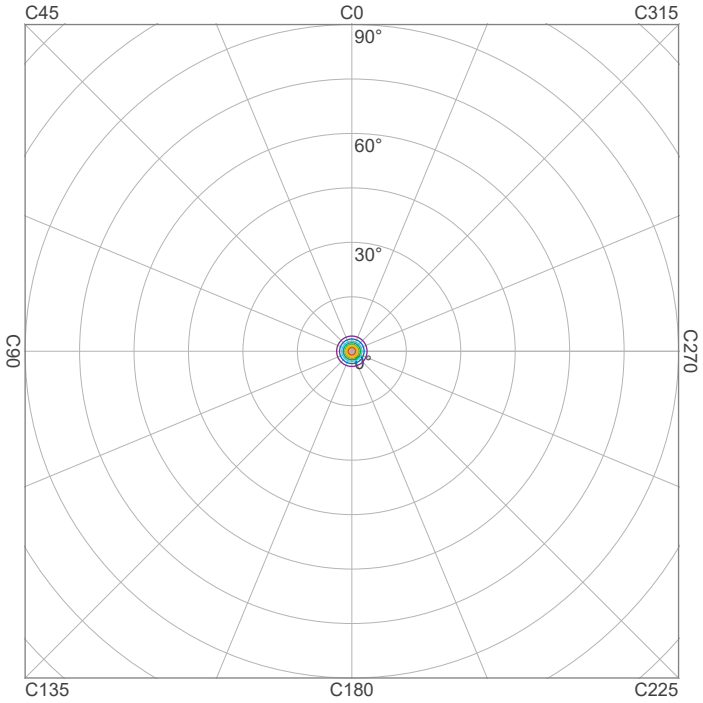




Photometric Test Report

FL200-G2-XXX-RGBW3083-OM-4L-INF-XXXXX-X (G)

Iso-intensity Diagram (Iso-candela)

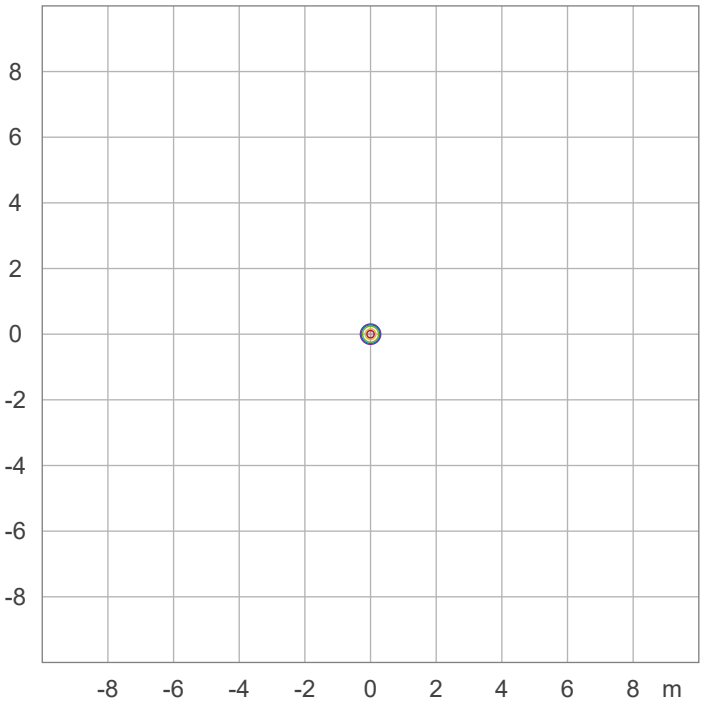


90 %	356002.0 cd
80 %	316446.2 cd
70 %	276890.4 cd
60 %	237334.7 cd
50 %	197778.9 cd
40 %	158223.1 cd
30 %	118667.3 cd
20 %	79111.6 cd
10 %	39555.8 cd

Peak intensity: 395557.8 cd

Number of c-planes: 36

Iso-illuminance Diagram (Iso-lux)



50.0 %	21975 lx
30.0 %	13185 lx
10.0 %	4395 lx
5.0 %	2198 lx
3.0 %	1319 lx

Peak illuminance: 43951 lx

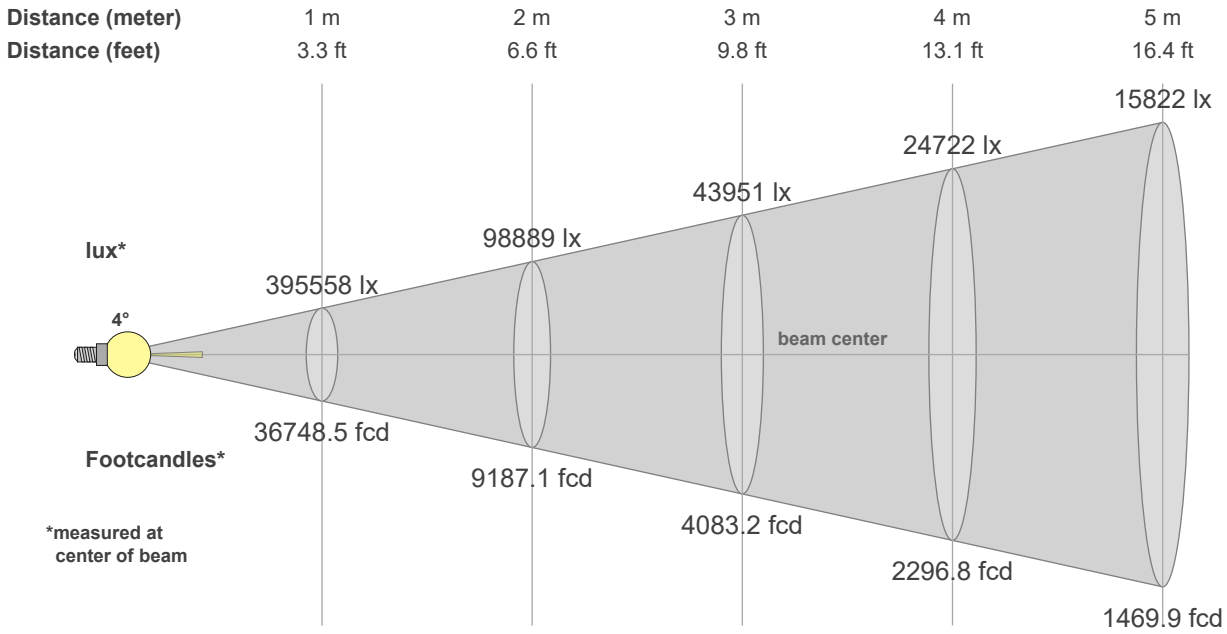
Mounting height: 3 m

Number of c-planes: 36

Photometric Test Report

FL200-G2-XXX-RGBW3083-OM-4L-INF-XXXXX-X (G)

Beam details



Photometric Test Report

FL200-G2-XXX-RGBW3083-OM-4L-INF-XXXXX-X (G)

Intensity details

Beam intensities from 1 – 20 m

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	m
3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6	ft
395558	98889	43951	24722	15822	10988	8073	6181	4883	3956	3269	2747	2341	2018	1758	1545	1369	1221	1096	989	lux
36748.5	9187.1	4083.2	2296.8	1469.9	1020.8	750	574.2	453.7	367.5	303.7	255.2	217.4	187.5	163.3	143.5	127.2	113.4	101.8	91.9	fc

Intensities in 0° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°	γ
396k	332k	211k	124k	65k	26k	11k	7k	5k	4k	3k	3k	2k	2k	2k	1k	1k	1k	1k	1k	cd
100%	84%	53%	31%	16%	7%	3%	2%	1%	1%	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	of 0°val

Intensities in 90° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°	γ
396k	332k	211k	124k	65k	26k	11k	7k	5k	4k	3k	3k	2k	2k	2k	1k	1k	1k	1k	1k	cd
100%	84%	53%	31%	16%	7%	3%	2%	1%	1%	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	of 0°val

Intensities in 180° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°	γ
396k	332k	211k	124k	65k	26k	11k	7k	5k	4k	3k	3k	2k	2k	2k	1k	1k	1k	1k	1k	cd
100%	84%	53%	31%	16%	7%	3%	2%	1%	1%	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	of 0°val

Intensities in 270° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°	γ
396k	332k	211k	124k	65k	26k	11k	7k	5k	4k	3k	3k	2k	2k	2k	1k	1k	1k	1k	1k	cd
100%	84%	53%	31%	16%	7%	3%	2%	1%	1%	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	of 0°val

Photometric Test Report

FL200-G2-XXX-RGBW3083-OM-4L-INF-XXXXX-X (G)

Power details

Input power	
Frequency of input power	60.0 Hz
Power feed to light source	0 W
RMS Input voltage feed V,RMS	118.1 V
RMS Input current feed I,RMS	0.00 A
Volt-Amp or apparent power = V,RMS*I,RMS	0.0 VA
Displacement factor of AC power feed	0.71
Power factor of AC current feed	NaN
Total harmonic distortion of the current	NaN%
Total harmonic distortion of the voltage	1.48%

Input power curve

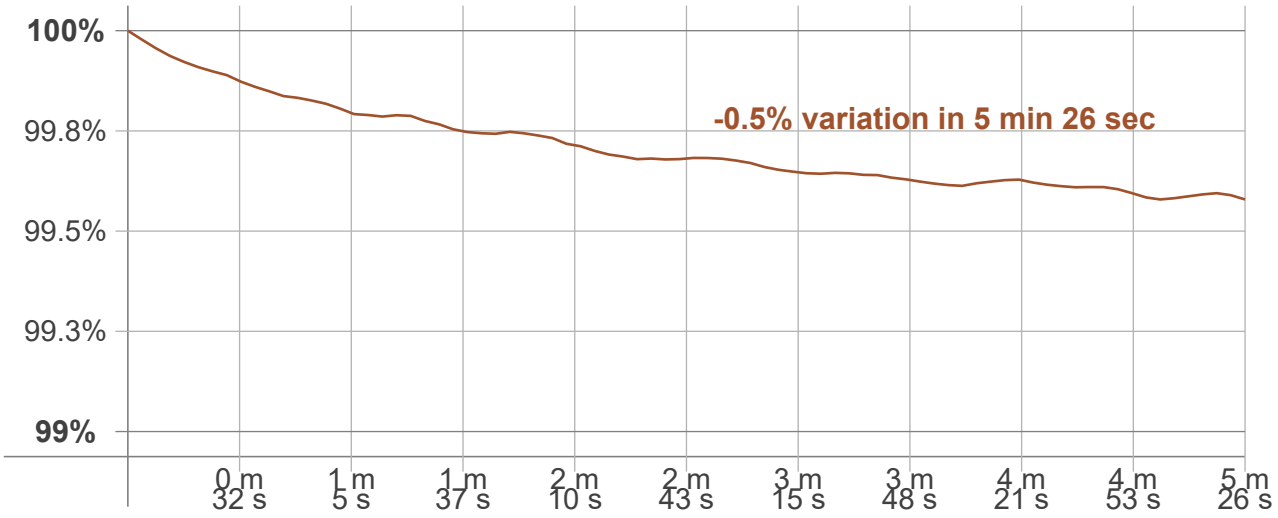
Efficiency

Radiated power efficiency	∞
Lumen efficiency	∞ lm/W

Stabilization details

Warmup Conditions		Color Temperature Change	
Stable period	15 min	CCT start	n/a
Stable change max	2%	CCT shift	n/a
Minimum time	15 min	CCT end	n/a
Warmup Result		**Output Change**	
Total warmup time	Not completed	Output start	3829 lm
Warmup variation	-0.4701%	Output change	-15.528 lm
		Output end	3813 lm

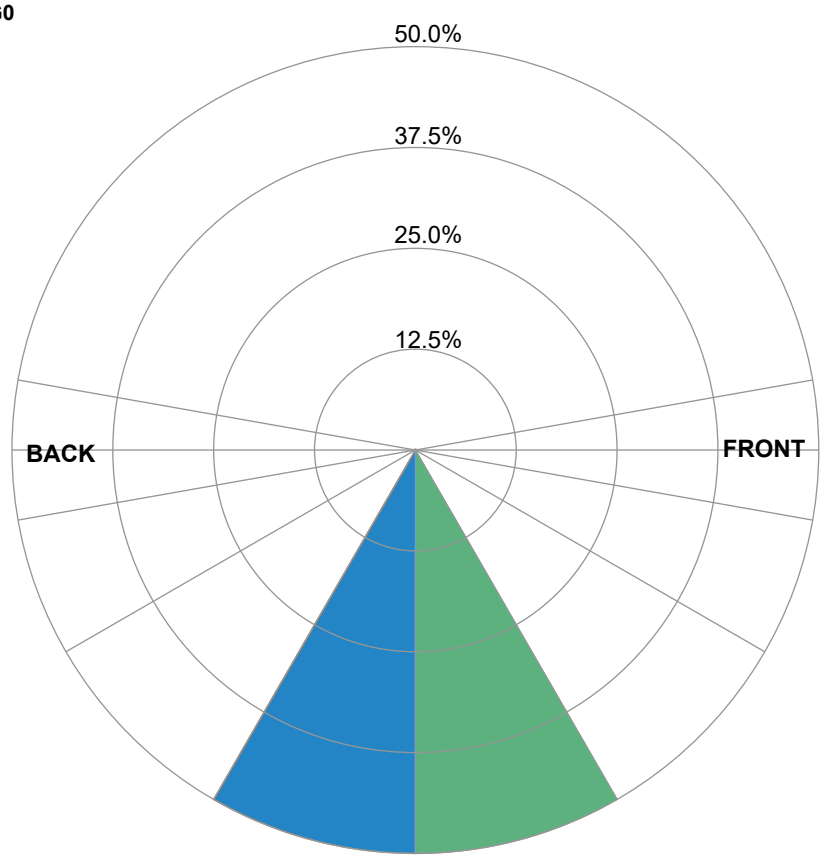
Stabilization Curve



Photometric Test Report

FL200-G2-XXX-RGBW3083-OM-4L-INF-XXXXX-X (G)

IESNA TM-15-07 LUMINIARE CLASSIFICATION SYSTEM FOR OUTDOOR LUMINAIRES

Forward Light			
Low (0-30°)	1900	lm	50.0%
Medium (30-60°)	1.78	lm	0.0466%
High (60-80°)	0	lm	0%
Very High (80-90°)	0	lm	0%
Back Light			
Low (0-30°)	1900	lm	50.0%
Medium (30-60°)	1.78	lm	0.0466%
High (60-80°)	0	lm	0%
Very High (80-90°)	0	lm	0%
Uplight			
Low (90-100°)	0	lm	0%
High (100-180°)	0	lm	0%
Total			
Sum	3813	lm	100%

BUG RATING B3 U0 G0