Photometric Test Report

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

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.16-7362-VO
Measurement date	2026-03-16

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	118.9 V DC
Input Current	0.00 A
Power Factor	NaN

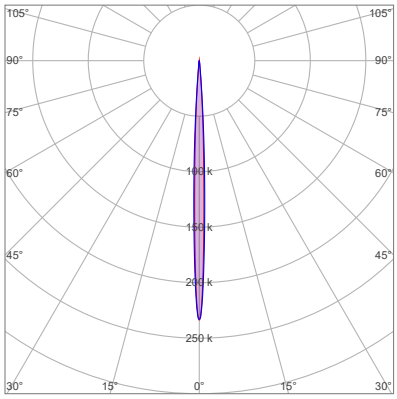
Tested Light Source

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

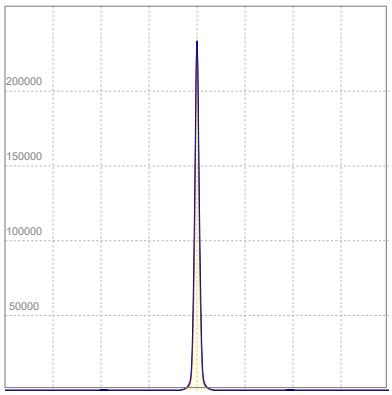
Main Light Measurement Results

Output – Total Lumen	2019 - 0% / 100%
Efficiency	∞ lm/W
Peak Intensity	233465
Correlated Color Temperature, CCT	n/a
Color Rendering Index	n/a
Beam Angle (FWHM) | C0/180	4.1°
Beam Angle (FWHM) | C90/270	4.8°
Field Angle (10%) | C0/180	8.8°Unit: 0-100% of peak intensity
Optical Power	13797 mW
Peak Wavelength	642 nm
Dominant Wavelength	626 nm

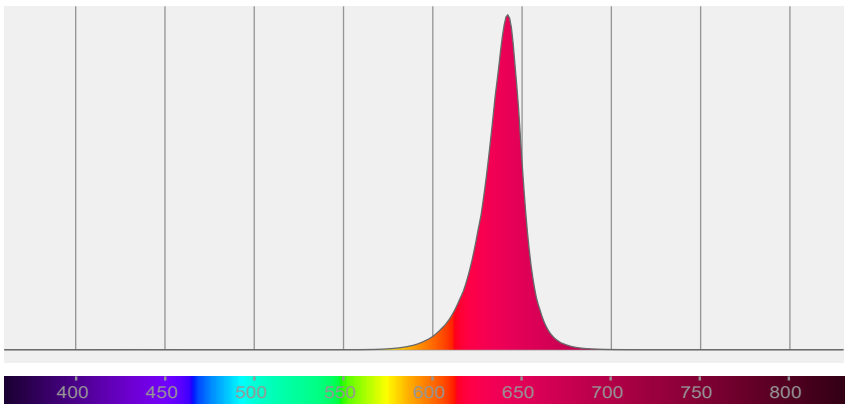
Polar Light Distribution Diagram
Unit: 0-100% of peak intensity



Linear distribution Diagram



Spectral Distribution



Color Temperature

NaN K

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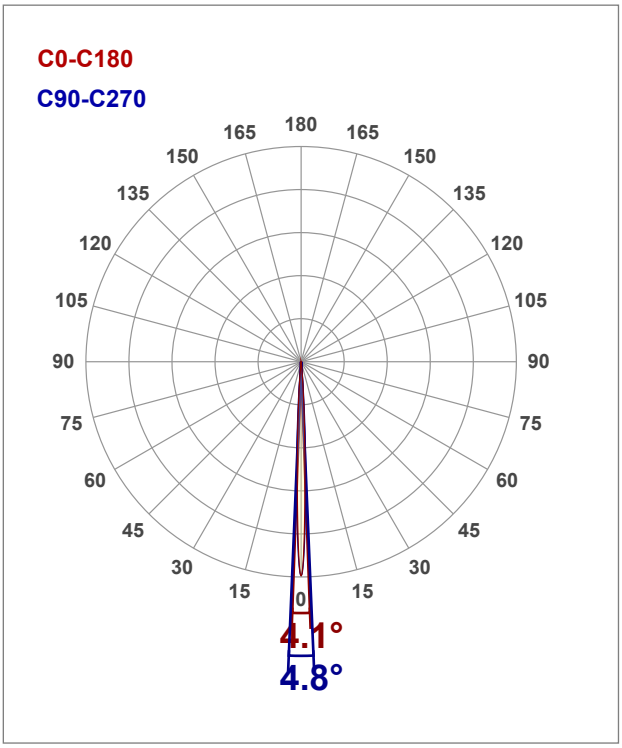
Luminous Intensity diagram

Unit: 0-100% of peak intensity



Main Values

Output (total Lumen)	2019 lm
Lumen Up% / Down%	0% / 100%
Peak Intensity	233465 cd
Beam Angle (50%-FWHM)	4.2°

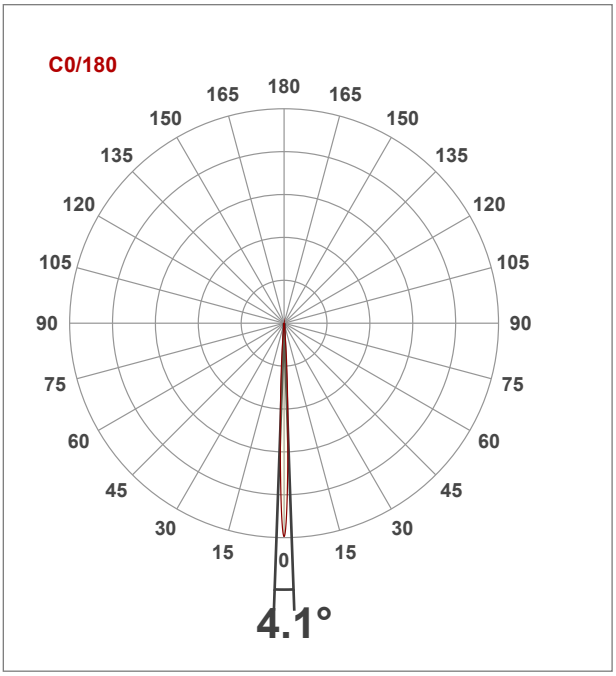
EU Ecodesign parameters

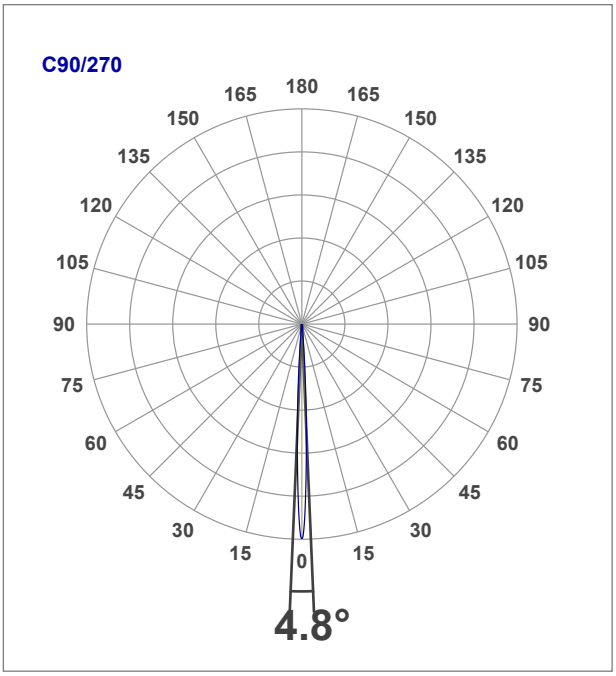
Directionality (DLS or NDLS)	DLS
Ecodesign Useful Luminous Flux	2019 lm
Ecodesign Energy Class	A

Intensity Ratio

In 120° cone	100%
In 90° cone	100%

Angular Distribution





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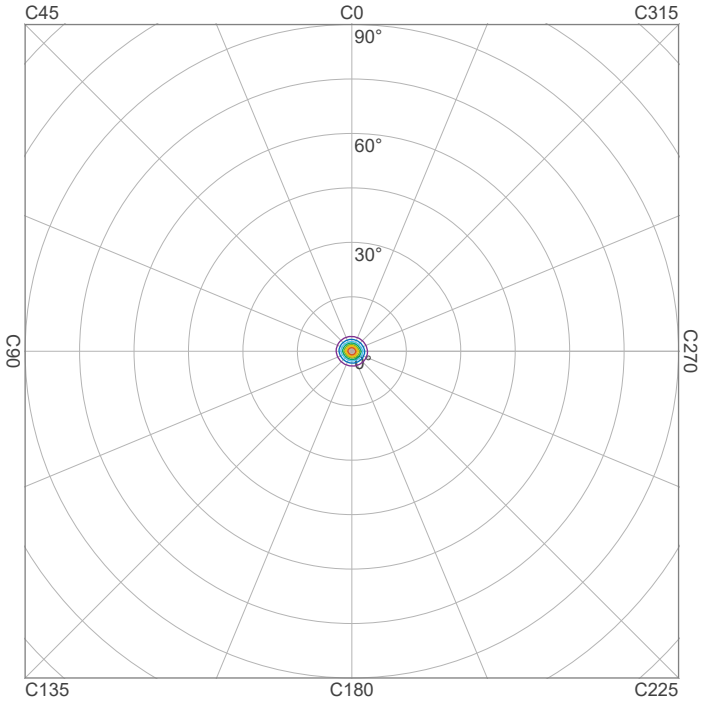
Iso-intensity Diagram (Iso-candela)

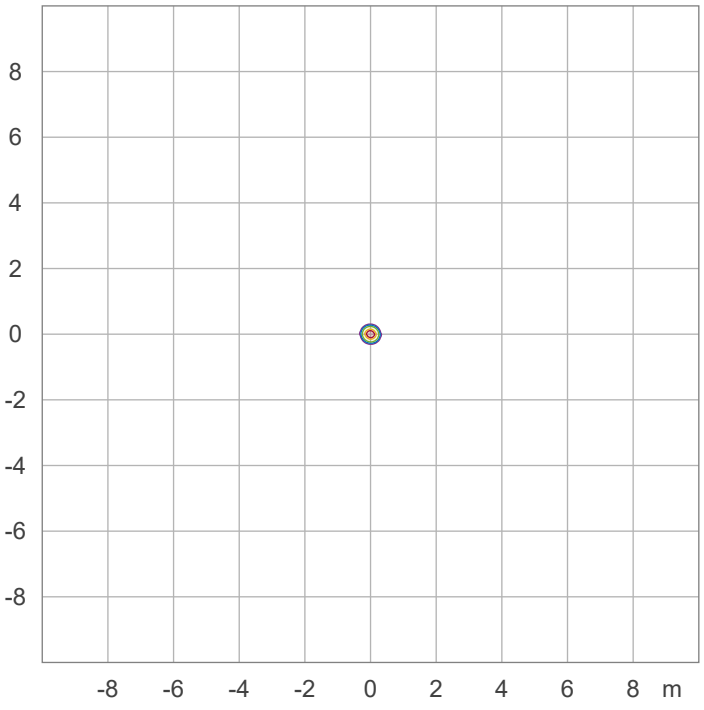


90 %	209897.8 cd
80 %	186575.9 cd
70 %	163253.9 cd
60 %	139931.9 cd
50 %	116609.9 cd
40 %	93287.9 cd
30 %	69966.0 cd
20 %	46644.0 cd
10 %	23322.0 cd

Peak intensity: 233219.8 cd

Number of c-planes: 36

Iso-illuminance Diagram (Iso-lux)



50.0 %	12957 lx
30.0 %	7774 lx
10.0 %	2591 lx
5.0 %	1296 lx
3.0 %	777 lx

Peak illuminance: 25913 lx

Mounting height: 3 m

Number of c-planes: 36

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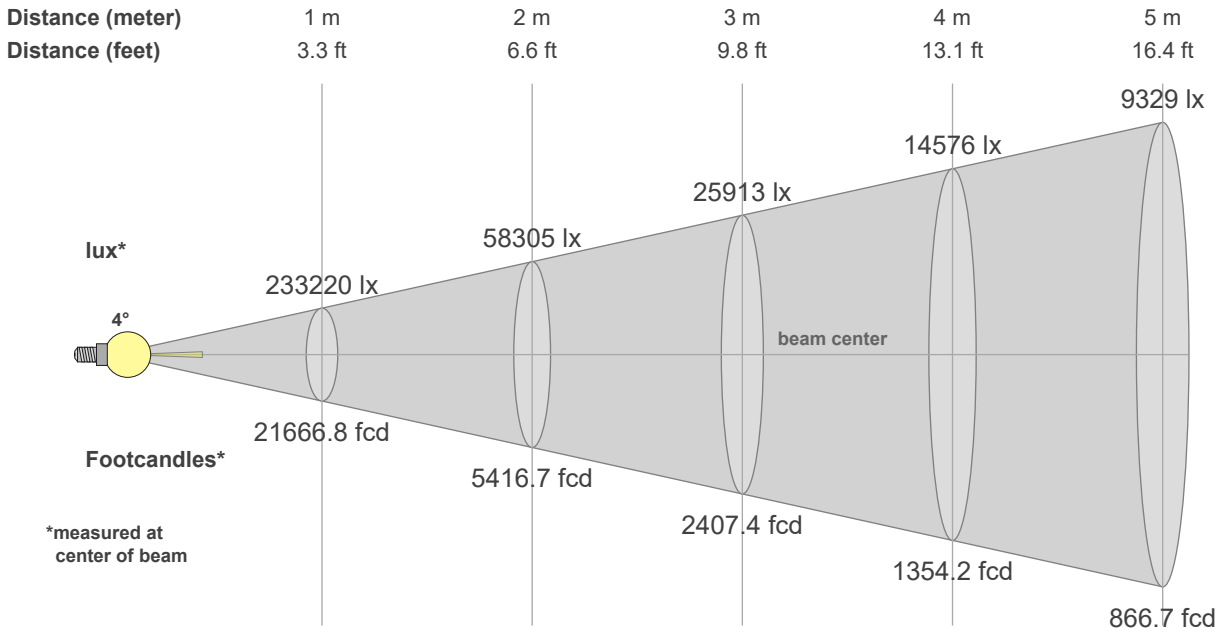
Beam details



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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
233220	58305	25913	14576	9329	6478	4760	3644	2879	2332	1927	1620	1380	1190	1037	911	807	720	646	583	lux
21666.8	5416.7	2407.4	1354.2	866.7	601.9	442.2	338.5	267.5	216.7	179.1	150.5	128.2	110.5	96.3	84.6	75	66.9	60	54.2	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
233k	192k	119k	67k	33k	13k	6k	4k	2k	2k	1k	1k	1k	0k	0k	0k	0k	0k	0k	0k	cd
100%	82%	51%	29%	14%	6%	3%	2%	1%	1%	1%	0%	0%	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
233k	201k	140k	85k	43k	18k	8k	5k	4k	2k	2k	1k	1k	1k	0k	0k	0k	0k	0k	0k	cd
100%	86%	60%	37%	19%	8%	4%	2%	2%	1%	1%	1%	0%	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
233k	192k	119k	67k	33k	13k	6k	4k	2k	2k	1k	1k	1k	0k	0k	0k	0k	0k	0k	0k	cd
100%	82%	51%	29%	14%	6%	3%	2%	1%	1%	1%	0%	0%	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
233k	201k	140k	85k	43k	18k	8k	5k	4k	2k	2k	1k	1k	1k	0k	0k	0k	0k	0k	0k	cd
100%	86%	60%	37%	19%	8%	4%	2%	2%	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	of 0°val

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Power details

Input power	
Frequency of input power	60.0 Hz
Power feed to light source	0 W
RMS Input voltage feed V,RMS	118.9 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	1.582%

Input power curve

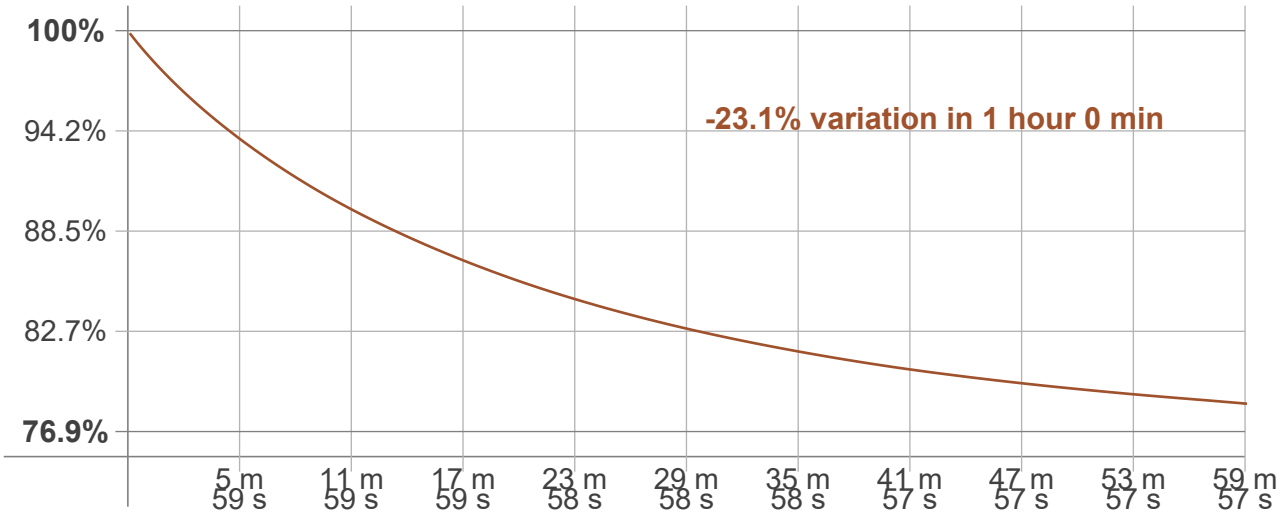
Efficiency

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	Lamp stabilized in 1 hour 0 min	Output start	2618 lm
Warmup variation	-23.067%	Output change	-598.87 lm
		Output end	2019 lm

Stabilization Curve



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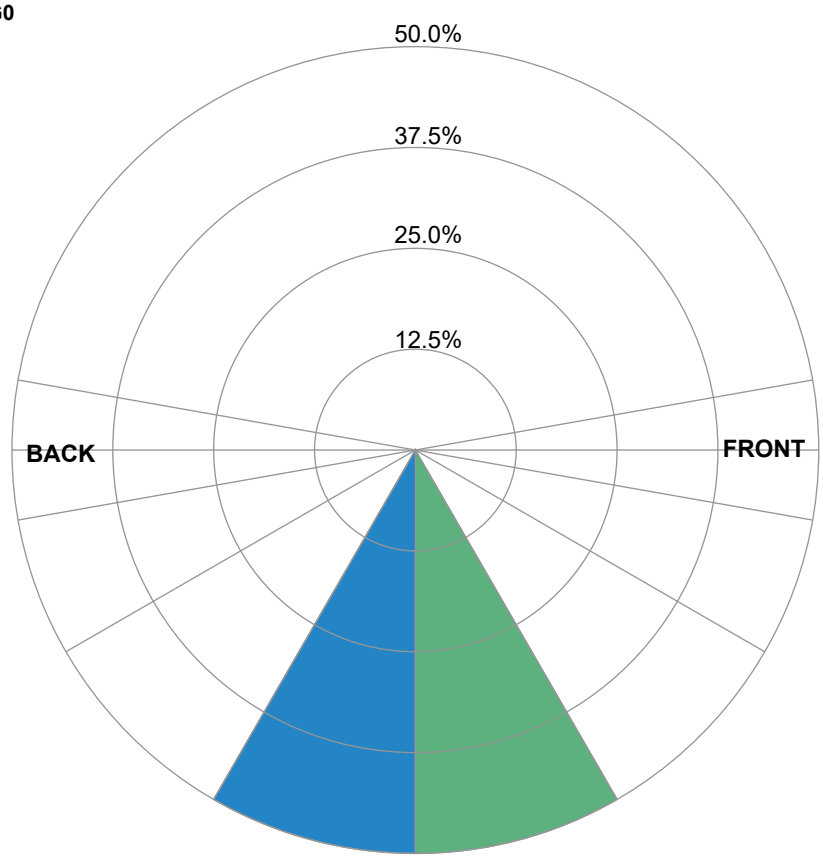
FL200-G2-XXX-RGBW3083-OM-4L-INF-XXXXX-X (R)

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

Forward Light			
Low (0-30°)	1010	lm	50.0%
Medium (30-60°)	0	lm	0%
High (60-80°)	0	lm	0%
Very High (80-90°)	0	lm	0%
Back Light			
Low (0-30°)	1010	lm	50.0%
Medium (30-60°)	0	lm	0%
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	2019	lm	100%

BUG RATING B3 U0 G0