

Photometric & Chromaticity Report

Diva Lux 4: Standard Optics-w/Filter lens - 5600K-G/M

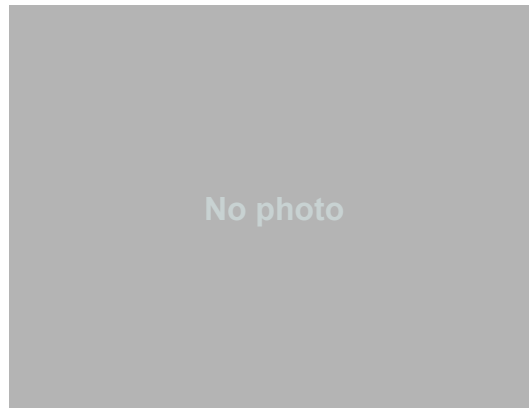
Report Summary

Measurements

Fixture Output: 30860 lm
Fixture Peak: 11760 cd
Fixture Efficacy: 75 lm/W
Intensity @ 15m: 52 lux
Color Temperature: 5413 K
CRI: 97.4 CRI R9 Value: 86.6
CQS: 97.5
TLCI: 99
TM-30 Rf: 96.4
TM-30 Rg: 100.6
Beam Angle (50%): 106.2°
Field Angle (10%): 156.1°
Cutoff Angle (2%): 168.8°

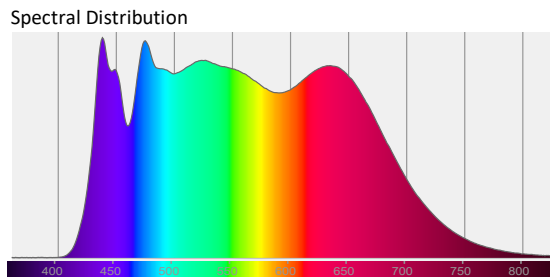
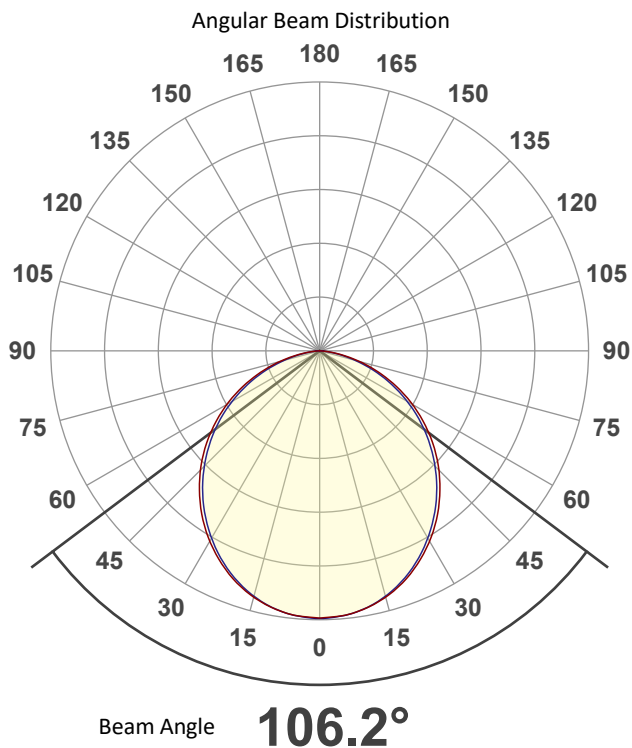
Conditions

AC Supply: 111 V, 60 Hz
Power: 411.31 W
Current: 3.69 A
Power Factor: 1.0



This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpon Goniometer at the Chauvet PD Optics Laboratory in Davie, FL on 4/7/2025 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.335

Y: 0.352



Light Quality

CRI: 97.4

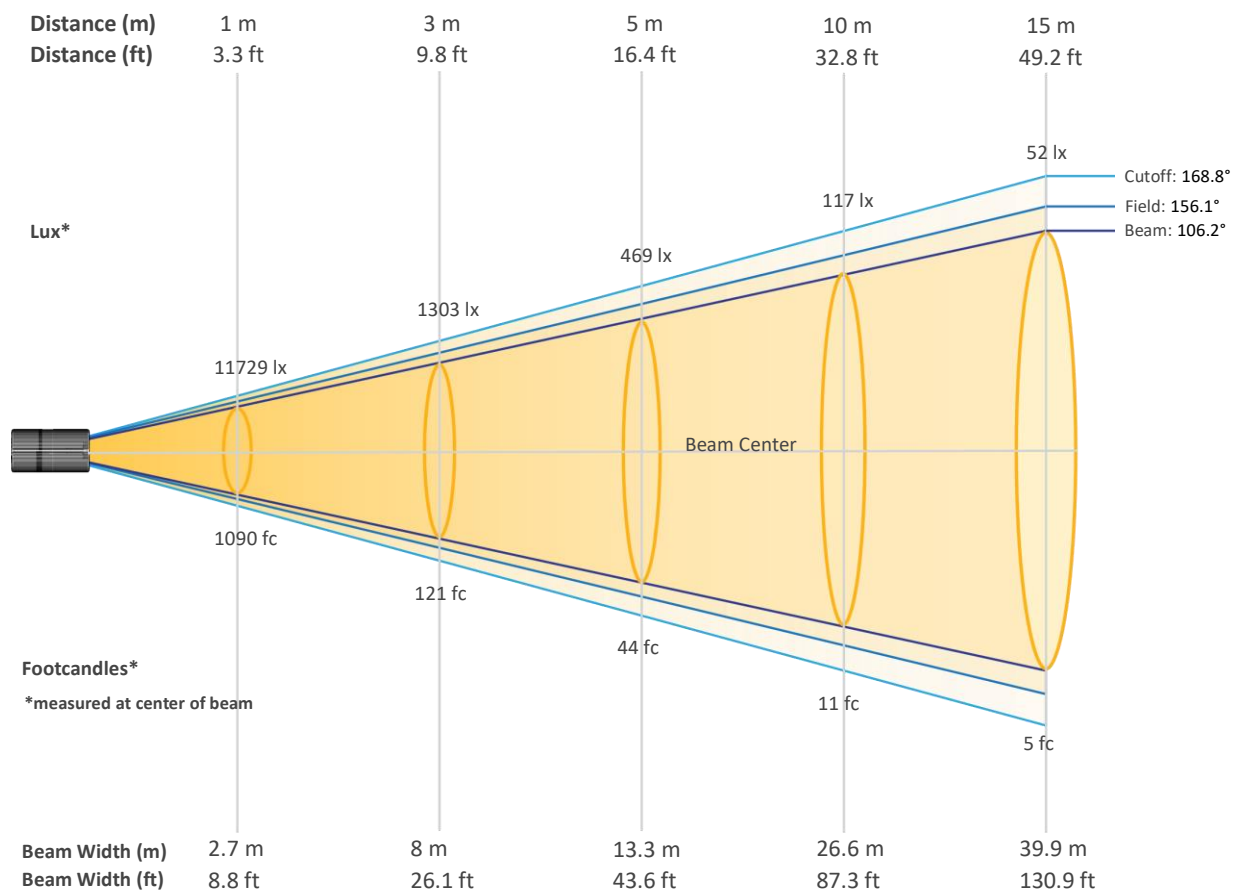
Color Temperature

5413 K

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Beam Details

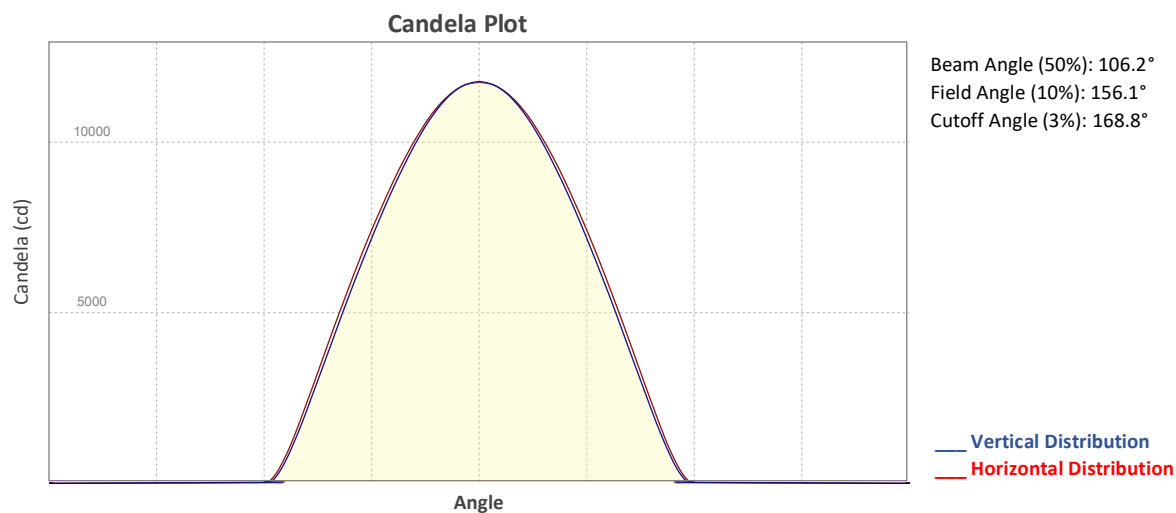


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	11729	2932	1303	733	469	326	239	183	145	117
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	97	81	69	60	52	46	41	36	32	29
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	1090	272	121	68	44	30	22	17	13	11
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	9	8	6	6	5	4	4	3	3	3

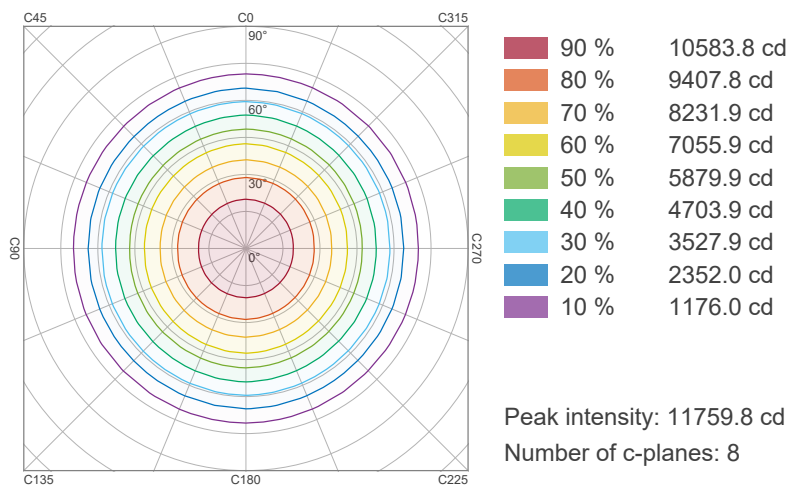
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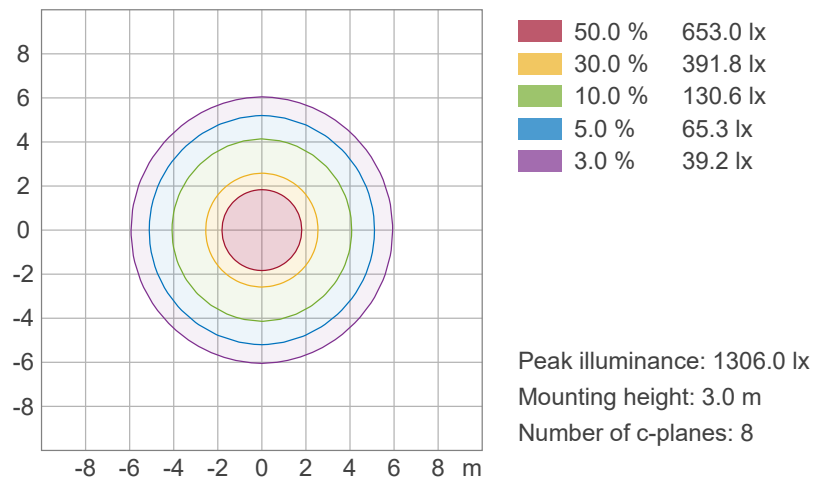


ISO Diagrams

ISO Candela Diagram



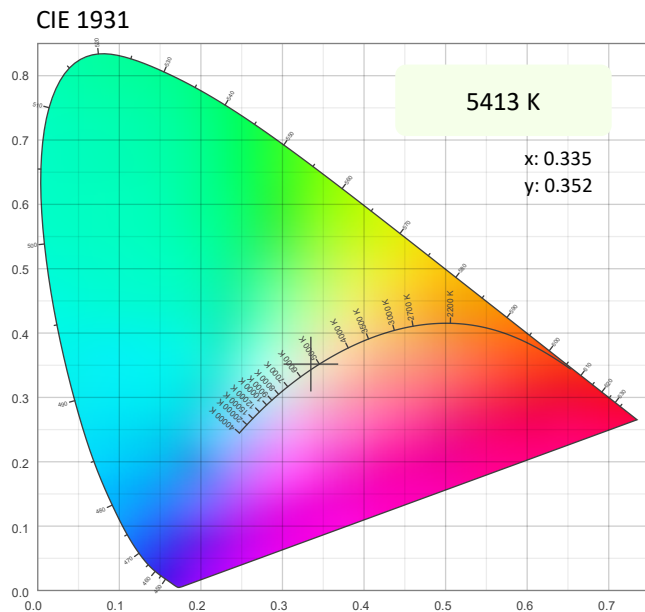
ISO Lux Diagram



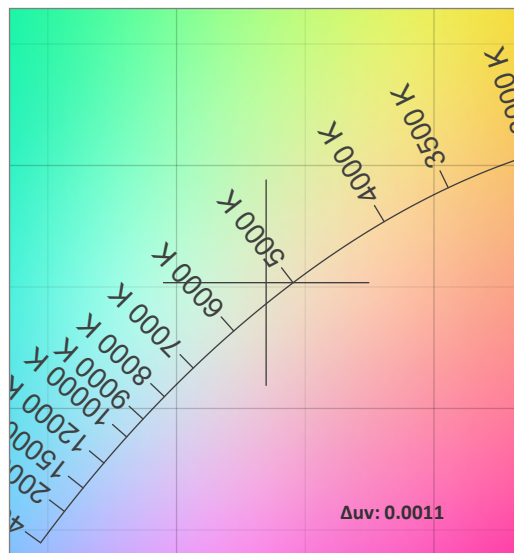
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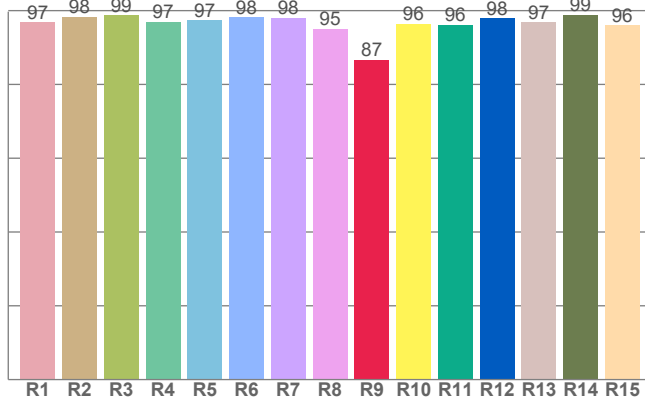
Chromaticity



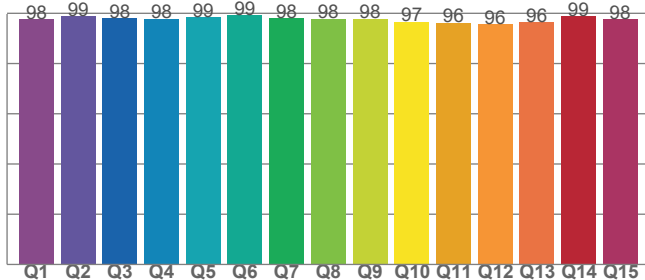
CIE 1931 - Zoom



CRI: 97.4 (R1-R8)



CQS: 97.5



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
5413 K	0.335	0.352

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0011	0.352	0.204

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
97.4	86.6	97.5

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
99	96.4	100.6

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TM-30 Details

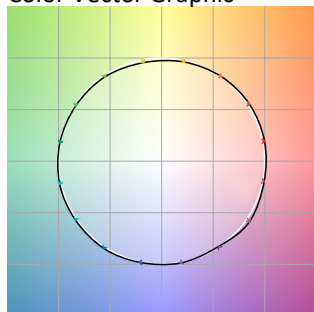
Rf 96.4

Fidelity Index
(Rg)

Rg 100.6

Gammut Index (Rg)

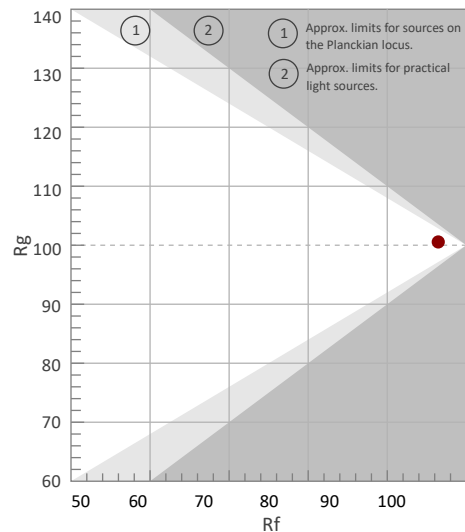
Color Vector Graphic



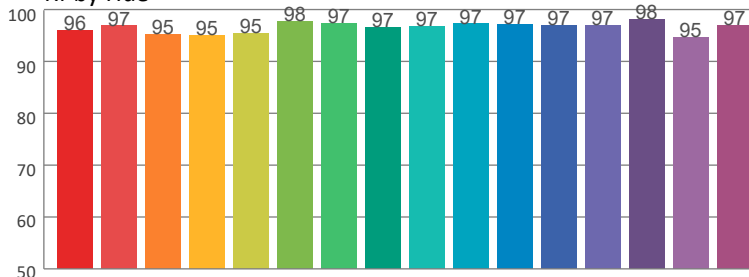
Color Distortion Graphic



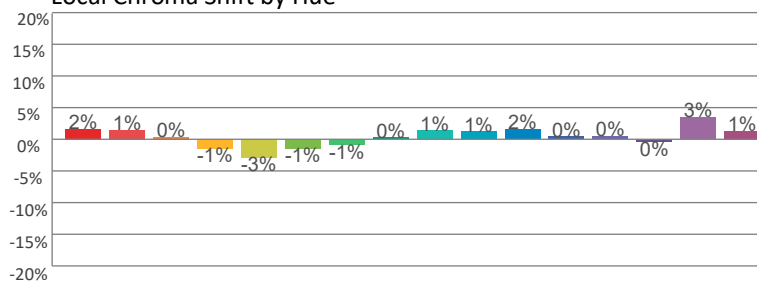
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	2%	0%
2	97	1%	-1%
3	95	0%	-3%
4	95	-1%	-3%
5	95	-3%	-2%
6	98	-1%	0%
7	97	-1%	2%
8	97	0%	2%
9	97	1%	3%
10	97	1%	1%
11	97	2%	0%
12	97	0%	-2%
13	97	0%	-1%
14	98	0%	0%
15	95	3%	-2%
16	97	1%	0%



Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample

