

Photometric & Chromaticity Report

Diva Lux 4: Standard Optics - 3200K-G/M

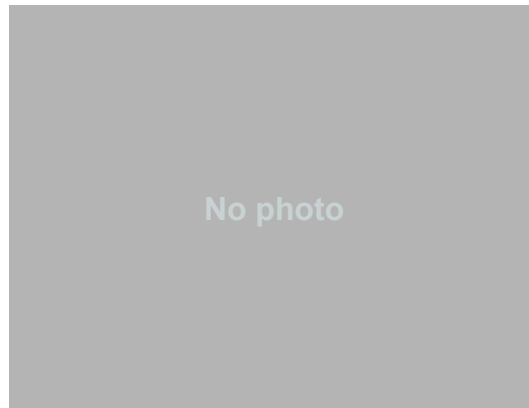
Report Summary

Measurements

Fixture Output: 32751 lm
Fixture Peak: 12815 cd
Fixture Efficacy: 80 lm/W
Intensity @ 15m: 57 lux
Color Temperature: 3229 K
CRI: 94.2 CRI R9 Value: 83.1
CQS: 95.2
TLCI: 99
TM-30 Rf: 96.3
TM-30 Rg: 103.1
Beam Angle (50%): 106.1°
Field Angle (10%): 150.2°
Cutoff Angle (2%): 163.2°

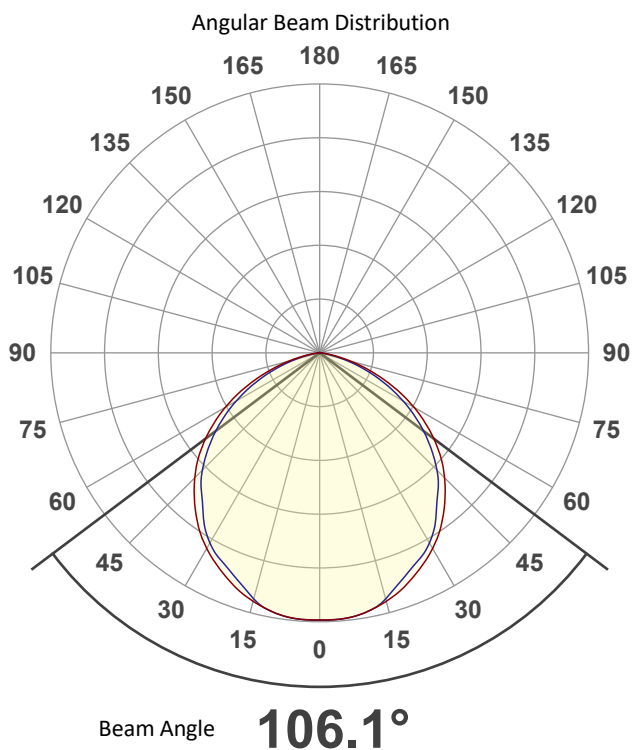
Conditions

AC Supply: 112 V, 60 Hz
Power: 410.04 W
Current: 3.66 A
Power Factor: 1.0

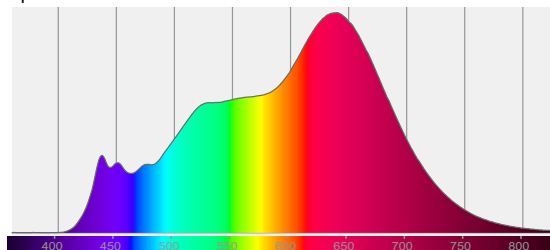


This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpon Goniometer at the Chauvet PD Optics Laboratory in Davie, FL on 4/7/2025 to LM-63-2002 Standards.

Overall Measurement



Spectral Distribution



Tested Color (CIE 1931):

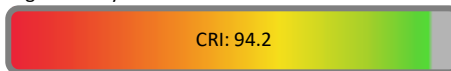
X: 0.422

Y: 0.399



Light Quality

CRI: 94.2



Color Temperature

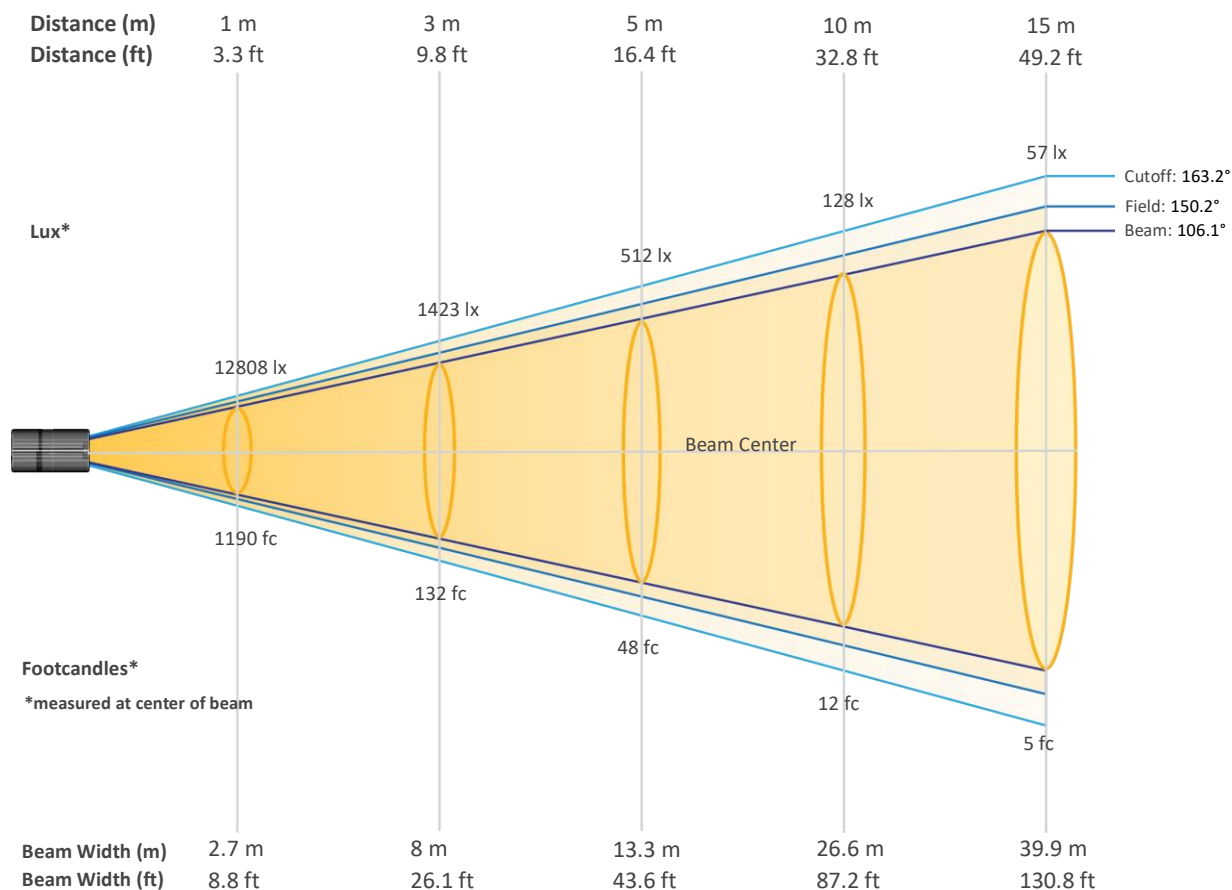
3229 K



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Beam Details

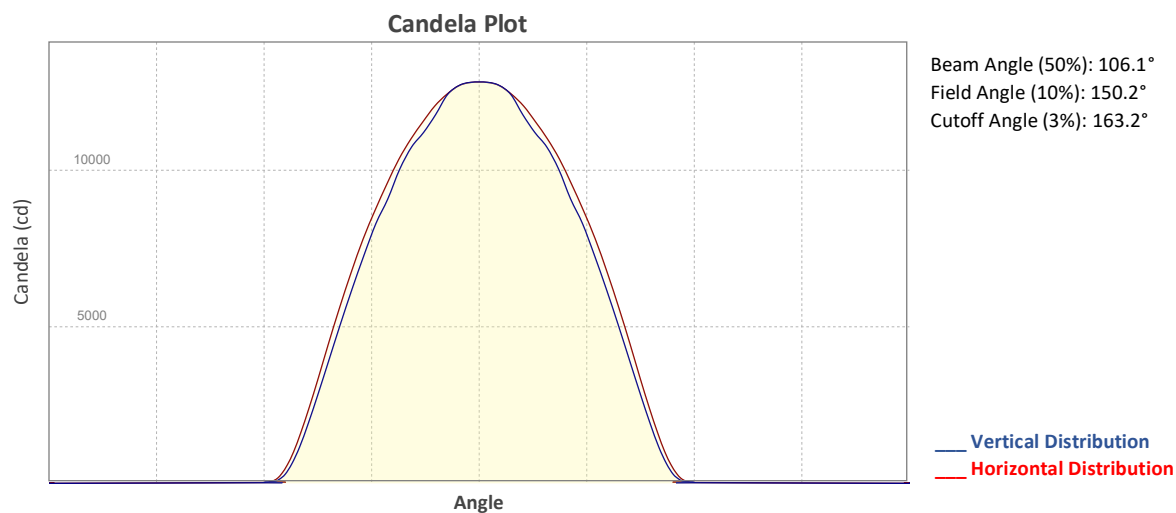


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	12808	3202	1423	800	512	356	261	200	158	128
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	106	89	76	65	57	50	44	40	35	32
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	1190	297	132	74	48	33	24	19	15	12
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	10	8	7	6	5	5	4	4	3	3

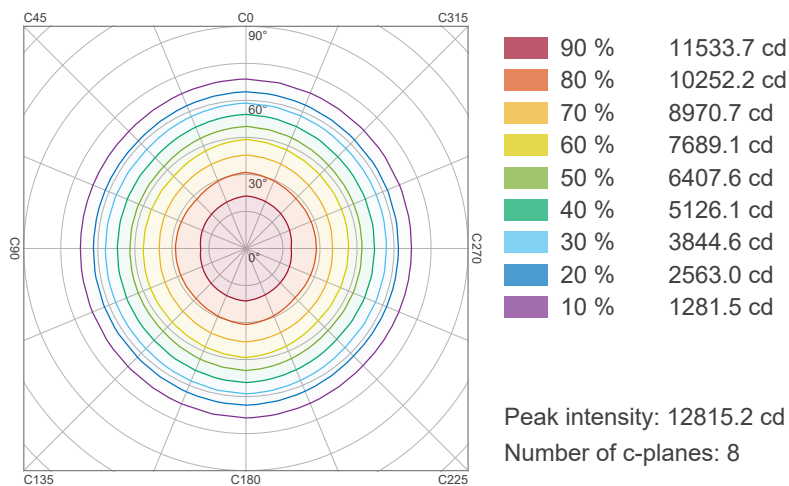
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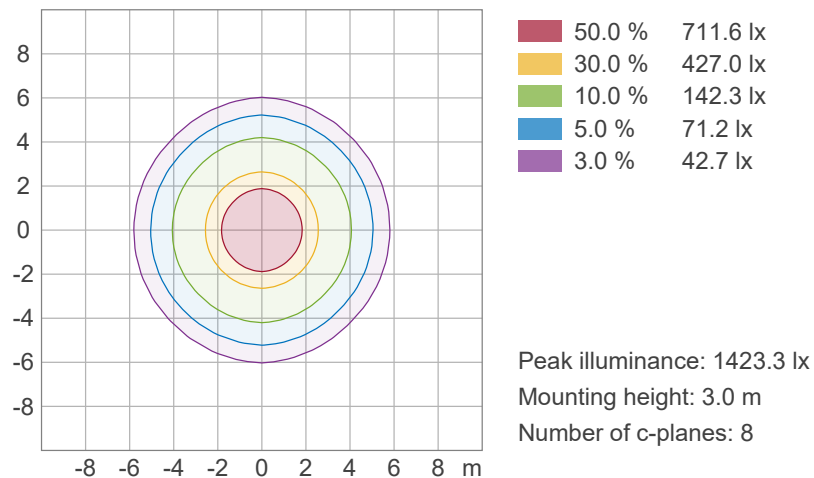


ISO Diagrams

ISO Candela Diagram



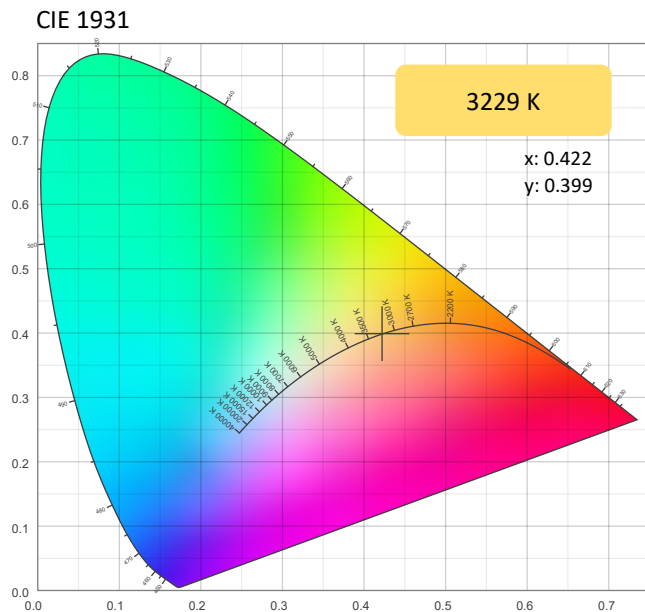
ISO Lux Diagram



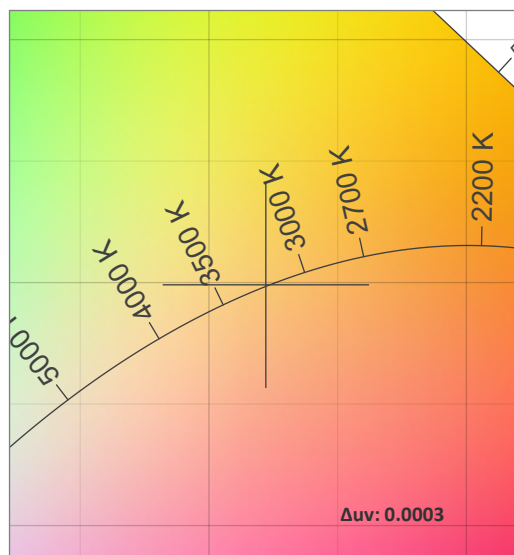
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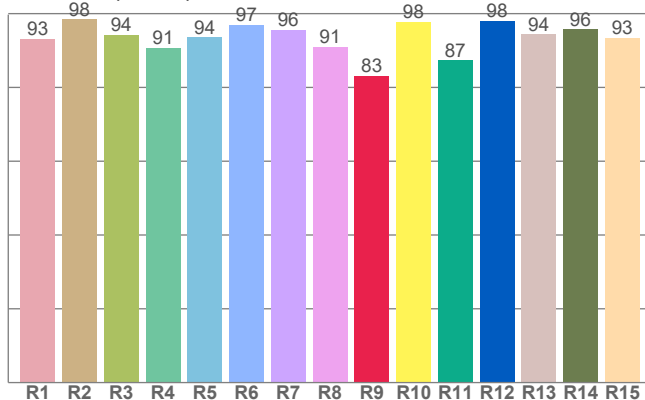
Chromaticity



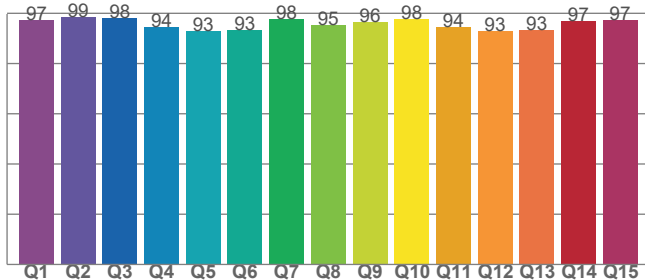
CIE 1931 - Zoom



CRI: 94.2 (R1-R8)



CQS: 95.2



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
3229 K	0.422	0.399

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0003	0.399	0.243

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
94.2	83.1	95.2

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
99	96.3	103.1

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TM-30 Details

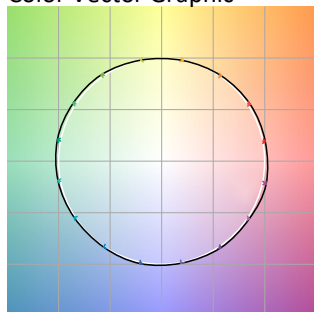
Rf 96.3

Fidelity Index
(Rg)

Rg 103.1

Gamut Index (Rg)

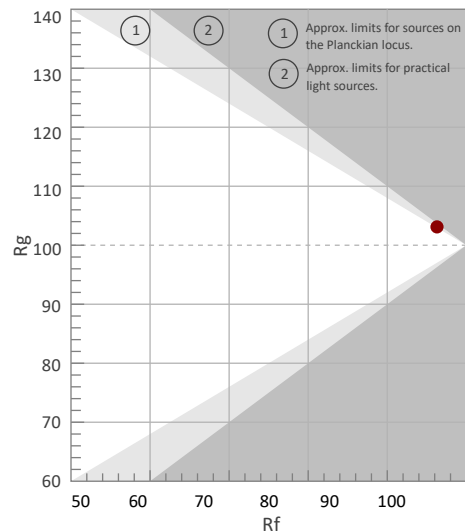
Color Vector Graphic



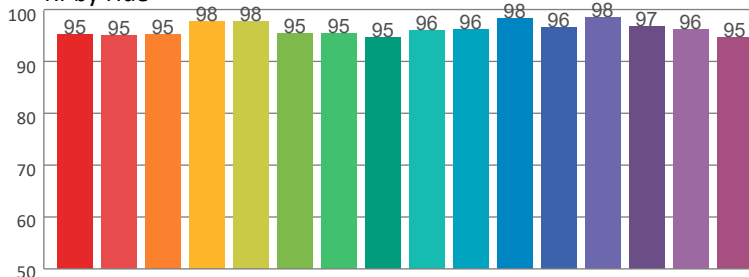
Color Distortion Graphic



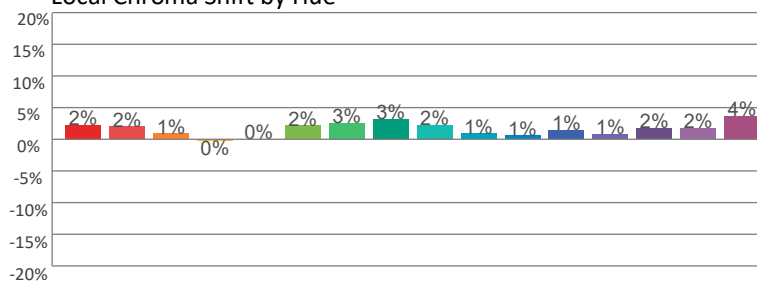
Hue Bin	Rf	Graphic shifts (%)	
		Chroma	Hue
1	95	2%	-1%
2	95	2%	-2%
3	95	1%	-2%
4	98	0%	-1%
5	98	0%	1%
6	95	2%	2%
7	95	3%	1%
8	95	3%	-1%
9	96	2%	-1%
10	96	1%	-2%
11	98	1%	0%
12	96	1%	-1%
13	98	1%	-1%
14	97	2%	1%
15	96	2%	1%
16	95	4%	-2%



Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample

