

Photometric & Chromaticity Report

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

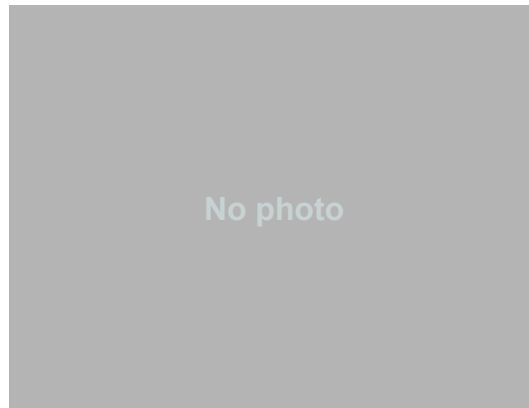
Report Summary

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°

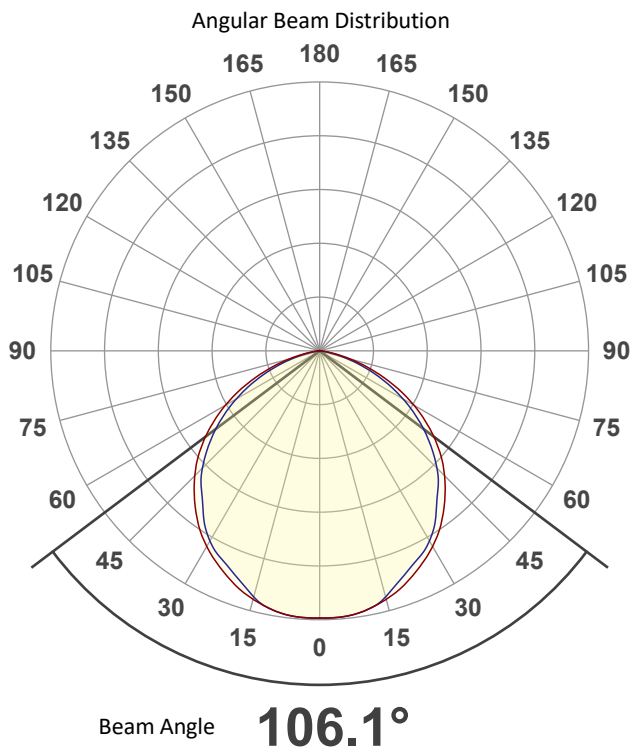
Conditions

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

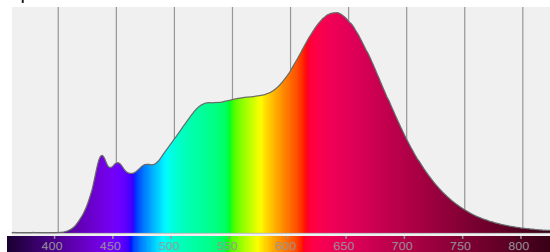


This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Davie, FL on 4/7/2025 to LM-63-2002 Standards.

Overall Measurement



Spectral Distribution



Tested Color (CIE 1931):

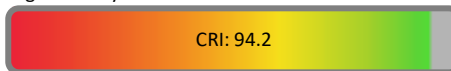
X: 0.422

Y: 0.399



Light Quality

CRI: 94.2



Color Temperature

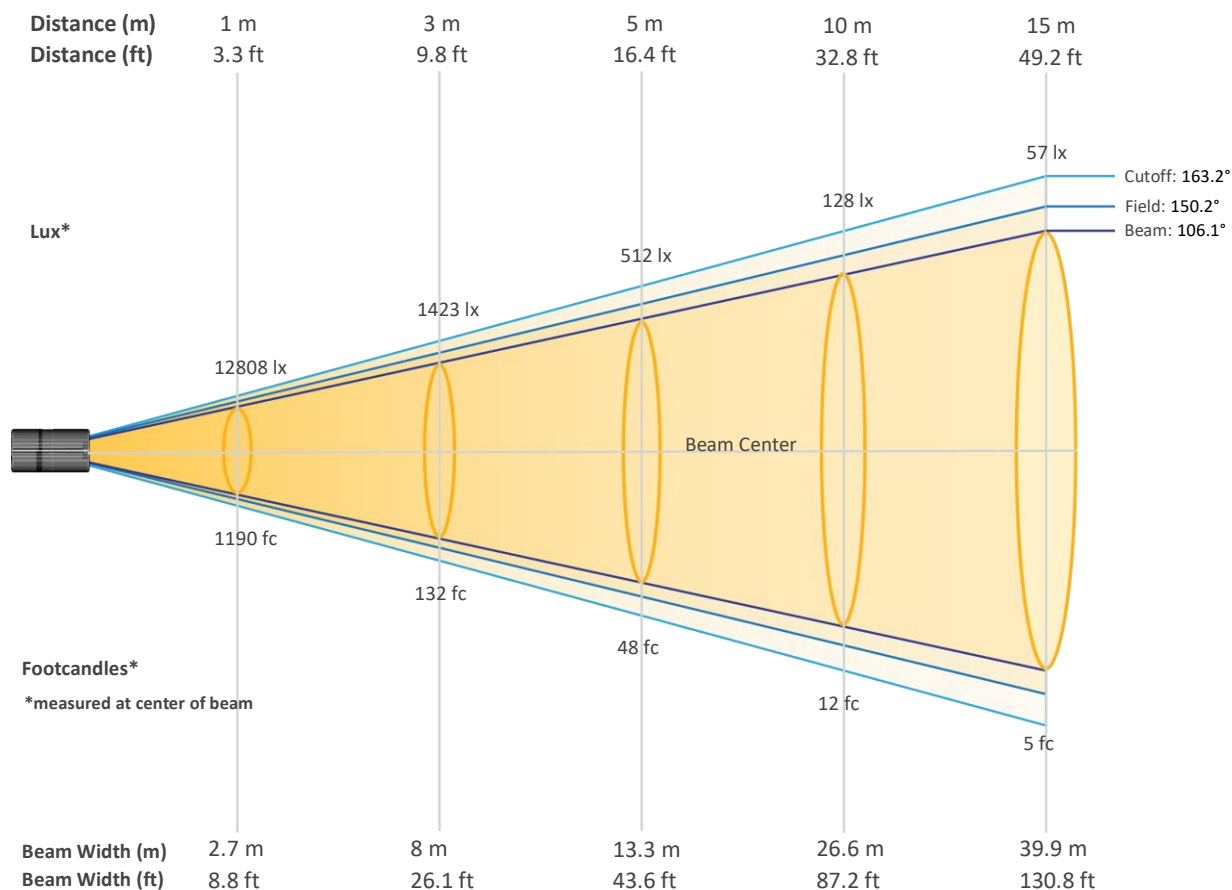
3229 K



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Beam Details

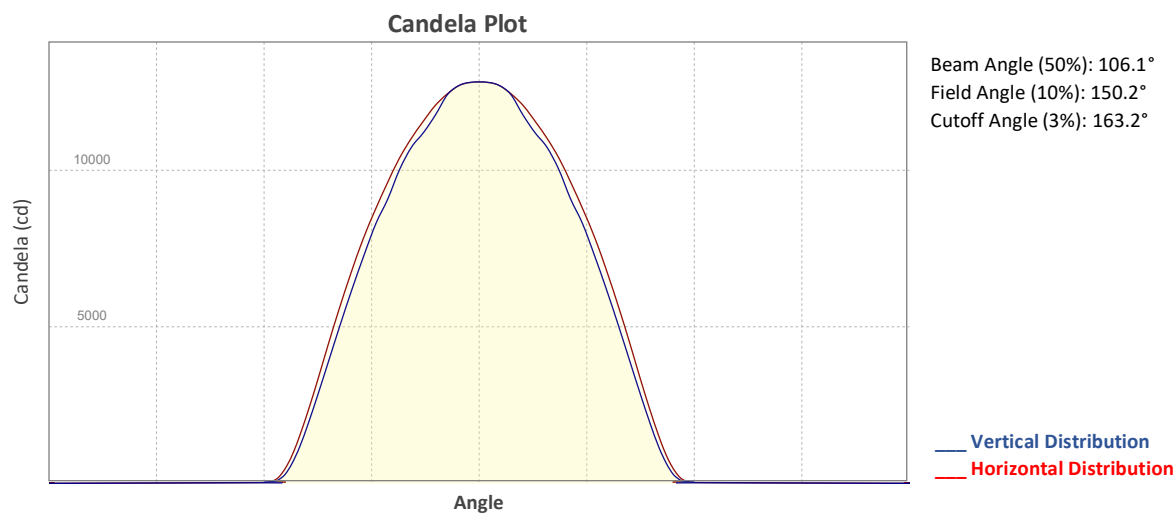


Beam Intensities from 1-20m (3.3-65.6ft)

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

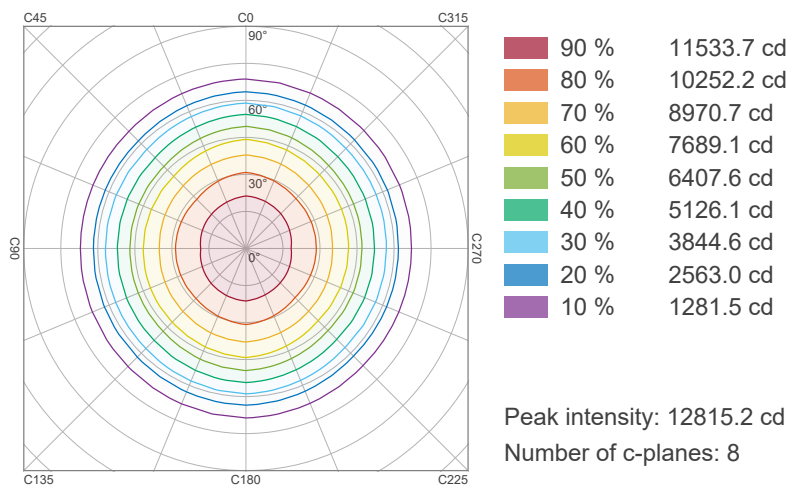
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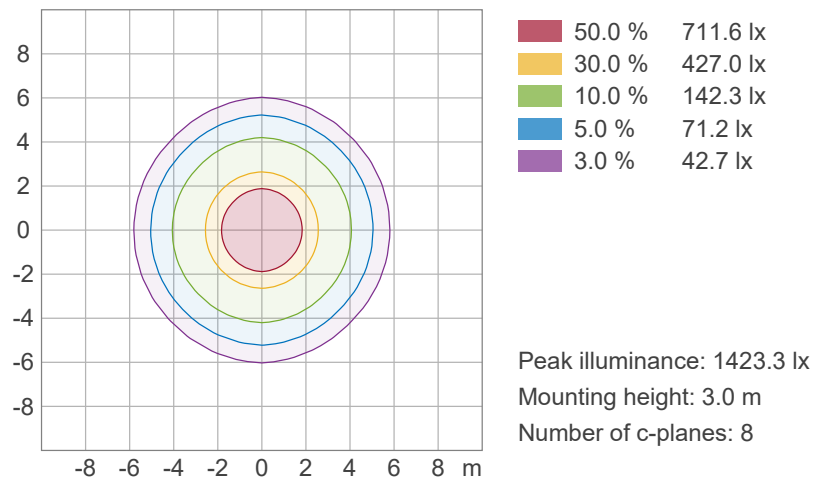


ISO Diagrams

ISO Candela Diagram



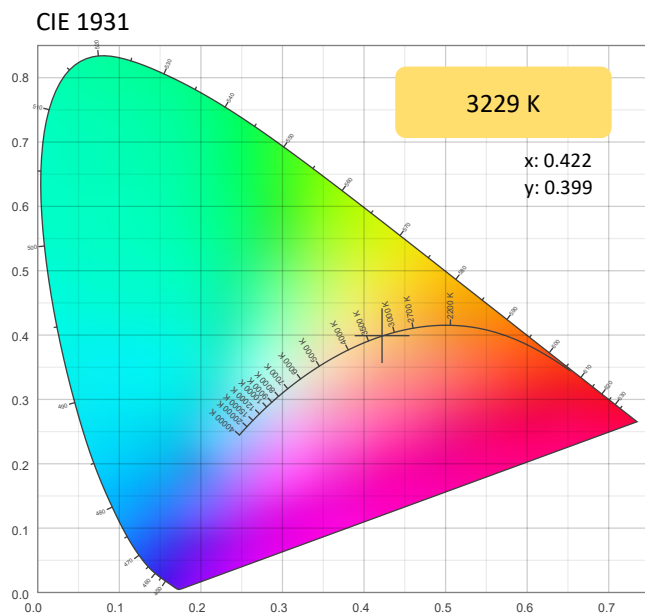
ISO Lux Diagram



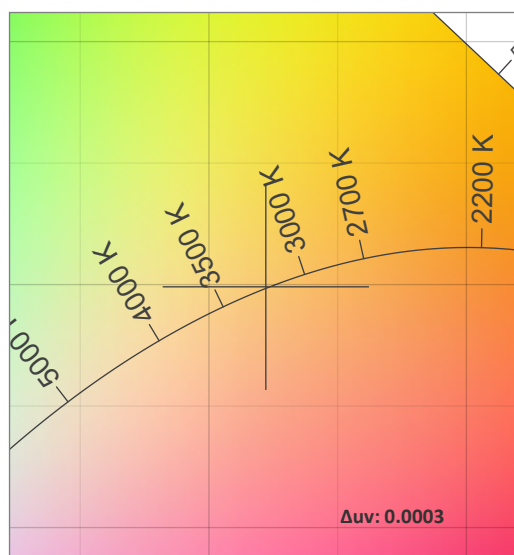
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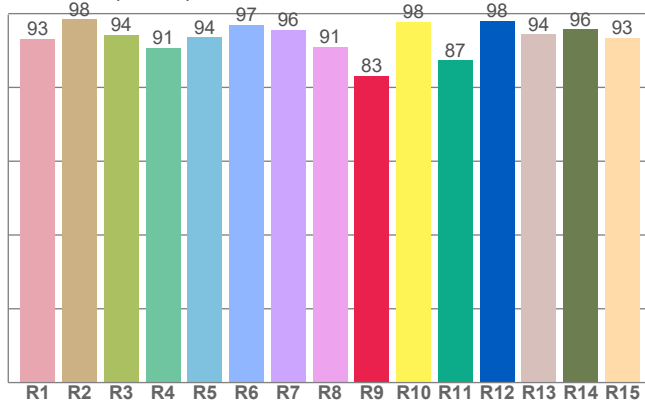
Chromaticity



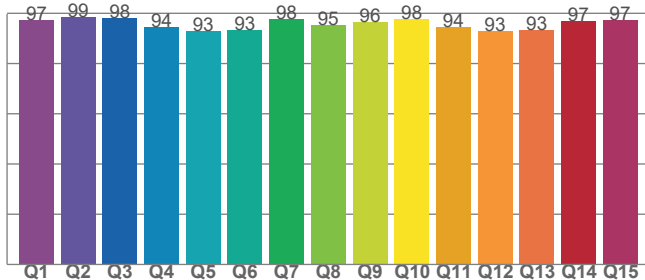
CIE 1931 - Zoom



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

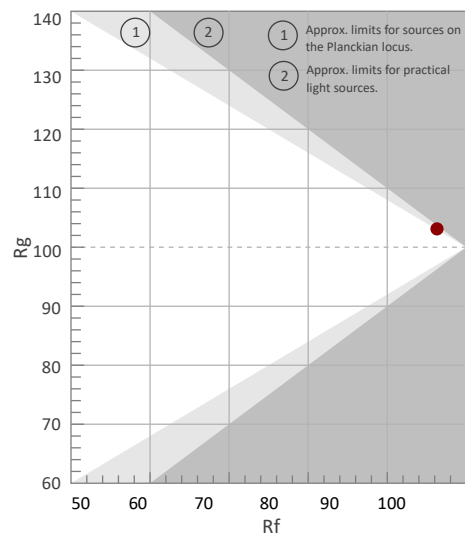
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Rf 96.3
Fidelity Index
(Rg)

Fidelity Index
(Rg)

Gammut Index (Rg)

		Graphic shifts (%)	
Hue Bin	R_f	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%



Year	Number of Publications
1995	95
1996	95
1997	95
1998	98
1999	98
2000	95
2001	95
2002	95
2003	96
2004	96
2005	98
2006	96
2007	98
2008	97
2009	96
2010	95

Race	Local Chroma Shift (%)
White	2%
Black	2%
Asian	1%
Hispanic	0%
Other	0%
White	2%
Black	3%
Asian	3%
Hispanic	2%
Other	1%
White	1%
Black	1%
Asian	1%
Other	2%
White	2%
Black	4%

The chart displays the Fidelity Index (Rf) for 100 color iteration samples. The y-axis represents the Fidelity Index (Rf) from 0 to 100. The x-axis lists the samples from C1S0 to C99S9. The bars are color-coded in a gradient from red to purple. The fidelity index is generally high, mostly above 90, with a few samples showing lower values around 80-90.

Sample	Fidelity Index (Rf)
C1S0	98
C1S1	98
C1S2	98
C1S3	98
C1S4	98
C1S5	98
C1S6	98
C1S7	98
C1S8	98
C1S9	98
C2S0	98
C2S1	98
C2S2	98
C2S3	98
C2S4	98
C2S5	98
C2S6	98
C2S7	98
C2S8	98
C2S9	98
C3S0	98
C3S1	98
C3S2	98
C3S3	98
C3S4	98
C3S5	98
C3S6	98
C3S7	98
C3S8	98
C3S9	98
C4S0	98
C4S1	98
C4S2	98
C4S3	98
C4S4	98
C4S5	98
C4S6	98
C4S7	98
C4S8	98
C4S9	98
C5S0	98
C5S1	98
C5S2	98
C5S3	98
C5S4	98
C5S5	98
C5S6	98
C5S7	98
C5S8	98
C5S9	98
C6S0	98
C6S1	98
C6S2	98
C6S3	98
C6S4	98
C6S5	98
C6S6	98
C6S7	98
C6S8	98
C6S9	98
C7S0	98
C7S1	98
C7S2	98
C7S3	98
C7S4	98
C7S5	98
C7S6	98
C7S7	98
C7S8	98
C7S9	98
C8S0	98
C8S1	98
C8S2	98
C8S3	98
C8S4	98
C8S5	98
C8S6	98
C8S7	98
C8S8	98
C8S9	98
C9S0	98
C9S1	98
C9S2	98
C9S3	98
C9S4	98
C9S5	98
C9S6	98
C9S7	98
C9S8	98
C9S9	98
C10S0	98
C10S1	98
C10S2	98
C10S3	98
C10S4	98
C10S5	98
C10S6	98
C10S7	98
C10S8	98
C10S9	98
C11S0	98
C11S1	98
C11S2	98
C11S3	98
C11S4	98
C11S5	98
C11S6	98
C11S7	98
C11S8	98
C11S9	98
C12S0	98
C12S1	98
C12S2	98
C12S3	98
C12S4	98
C12S5	98
C12S6	98
C12S7	98
C12S8	98
C12S9	98
C13S0	98
C13S1	98
C13S2	98
C13S3	98
C13S4	98
C13S5	98
C13S6	98
C13S7	98
C13S8	98
C13S9	98
C14S0	98
C14S1	98
C14S2	98
C14S3	98
C14S4	98
C14S5	98
C14S6	98
C14S7	98
C14S8	98
C14S9	98
C15S0	98
C15S1	98
C15S2	98
C15S3	98
C15S4	98
C15S5	98
C15S6	98
C15S7	98
C15S8	98
C15S9	98
C16S0	98
C16S1	98
C16S2	98
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C16S6	98
C16S7	98
C16S8	98
C16S9	98
C17S0	98
C17S1	98
C17S2	98
C17S3	98
C17S4	98
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C17S6	98
C17S7	98
C17S8	98
C17S9	98
C18S0	98
C18S1	98
C18S2	98
C18S3	98
C18S4	98
C18S5	98
C18S6	98
C18S7	98
C18S8	98
C18S9	98
C19S0	98
C19S1	98
C19S2	98
C19S3	98
C19S4	98
C19S5	98
C19S6	98
C19S7	98
C19S	