

Photometric & Chromaticity Report

Celeb Ikon 6: Standard Optics - 3200K

Product Part Number: CE1.00100

Report Summary

Measurements:

Fixture Output: 39203 lm
Fixture Peak: 14598 cd
Fixture Efficacy: 73 lm/W
Intensity @ 5m: 584 lux
Color Temperature: 3204 K
CRI: 94.3 CRI R9 Value: 84.5
CQS: 95.4
TLCI: 99
TM-30 Rf: 96.4
TM-30 Rg: 103.1
Beam Angle (50%): 107°
Field Angle (10%): 158.5°
Cutoff Angle (3%): 174.7°

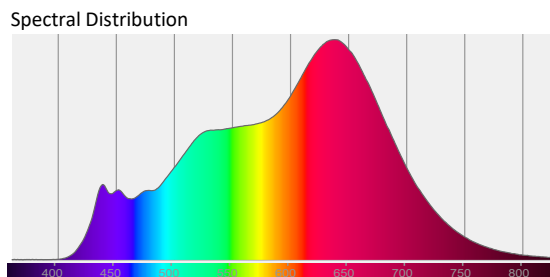
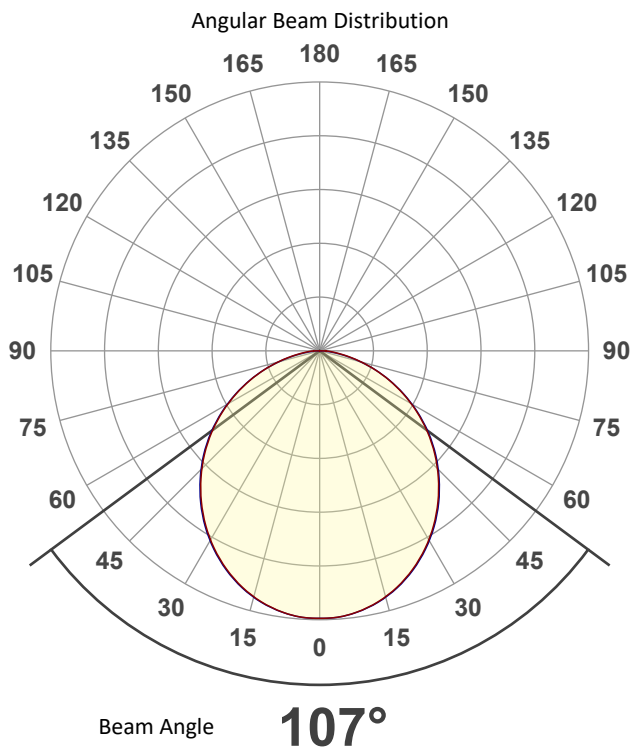


Conditions:

AC Supply: 107 V, 60.1 Hz
Power: 543.16 W
Current: 5.06 A
Power Factor: 0.99

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). LabSpion Goniometer at the Chauvet PD Optics Laboratory in Davie FL on 8/26/2025 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

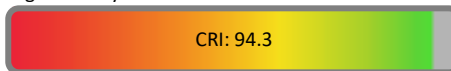
X: 0.423

Y: 0.398



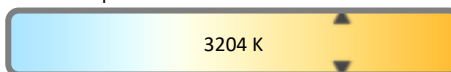
Light Quality

CRI: 94.3



Color Temperature

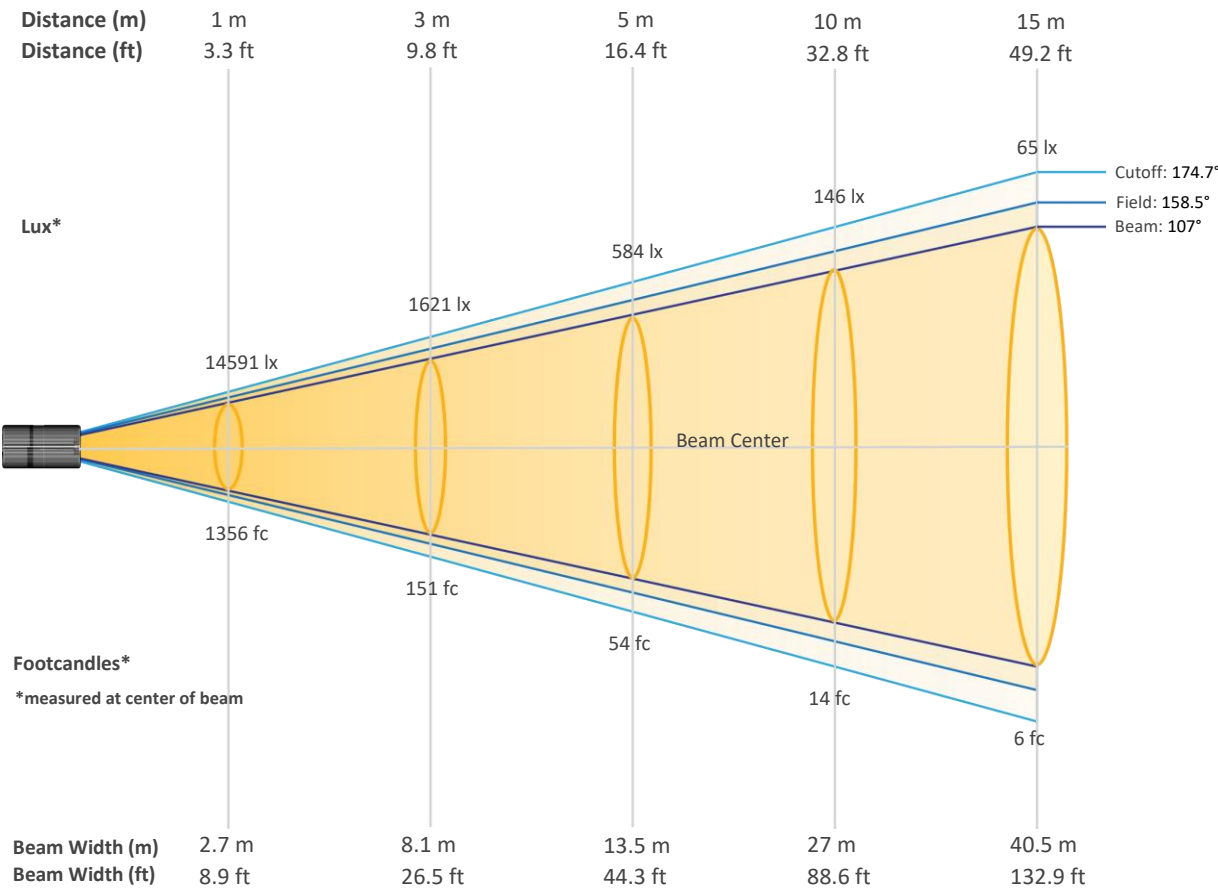
3204 K



Photometric & Chromaticity Report

Celeb Ikon 6: Standard Optics - 3200K

Beam Details

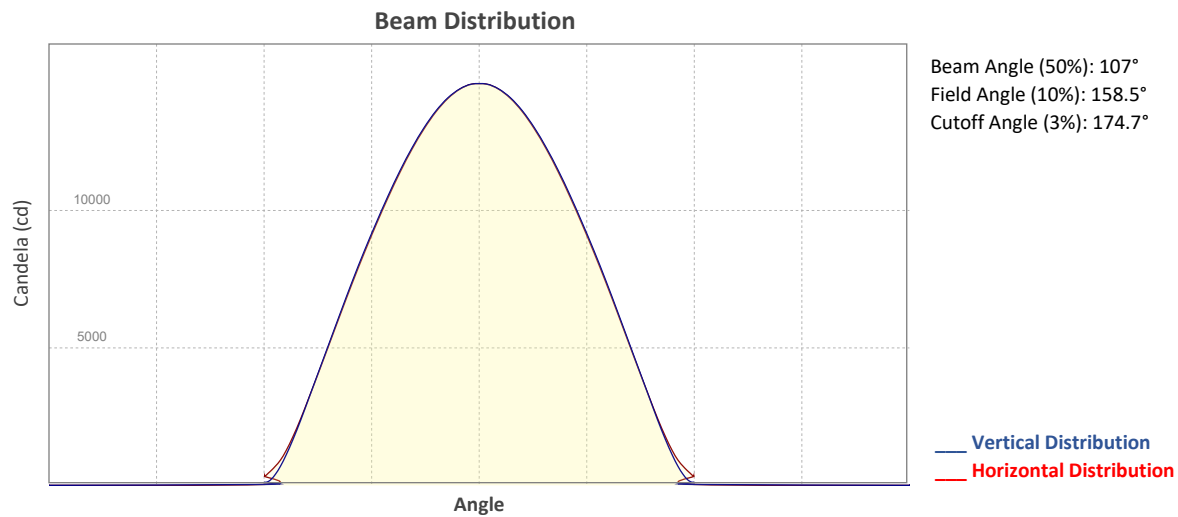


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	14591	3648	1621	912	584	405	298	228	180	146
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	121	101	86	74	65	57	50	45	40	36
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	1356	339	151	85	54	38	28	21	17	14
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	11	9	8	7	6	5	5	4	4	3

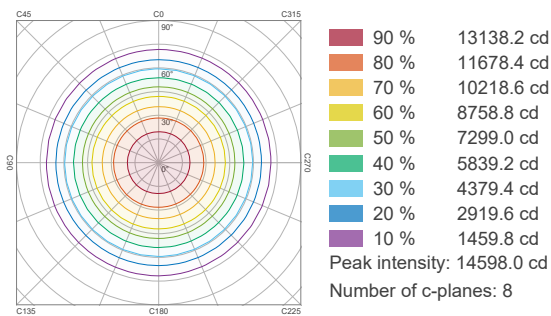
Photometric & Chromaticity Report

Celeb Ikon 6: Standard Optics - 3200K

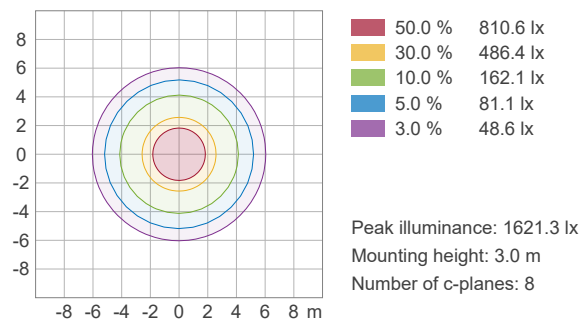


ISO Diagrams

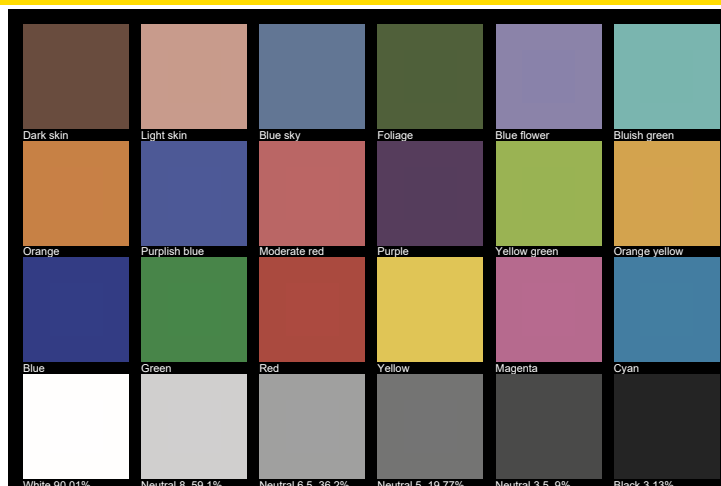
ISO Candela Diagram



ISO Lux Diagram



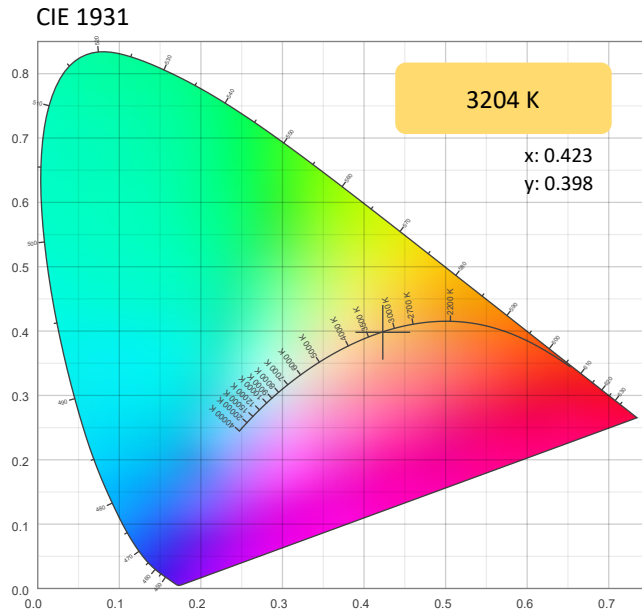
TLCI Color Checker



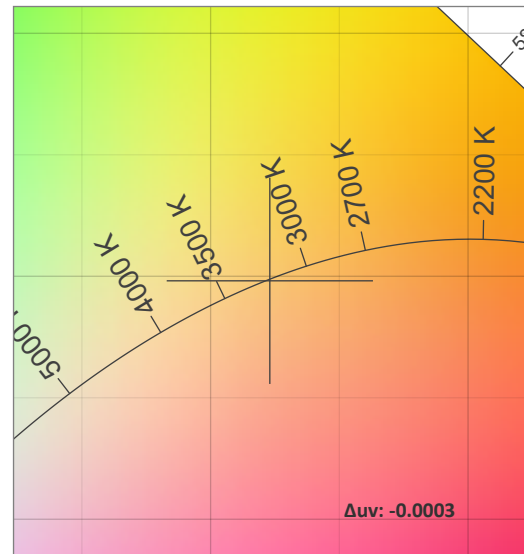
Photometric & Chromaticity Report

Celeb Ikon 6: Standard Optics - 3200K

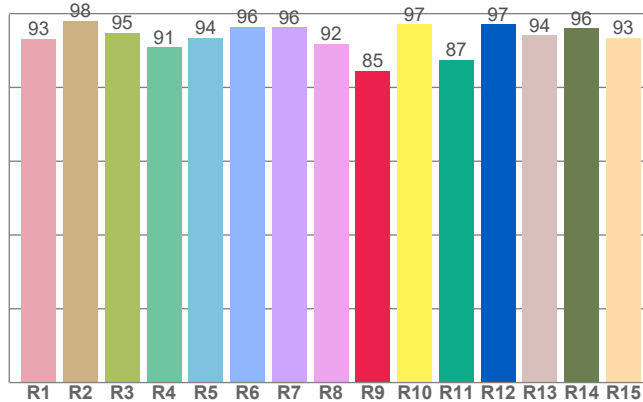
Chromaticity



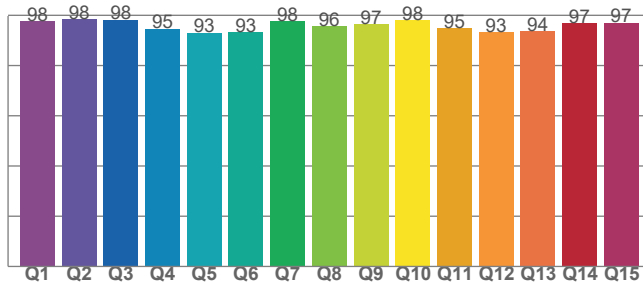
CIE 1931 - Zoom



CRI: 94.3 (R1-R8)



CQS: 95.4



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
3204 K	0.423	0.398

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	u	v
-0.0003	0.244	0.345

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
94.3	84.5	95.4

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
99	96.4	103.1

Photometric & Chromaticity Report

Celeb Ikon 6: Standard Optics - 3200K

TM-30 Details

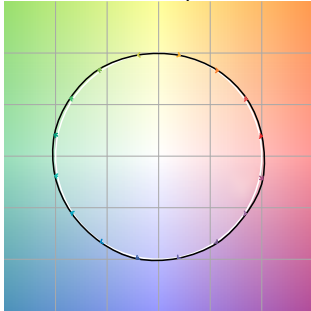
Rf 96.4

Fidelity Index
(Rg)

Rg 103.1

Gamut Index (Rg)

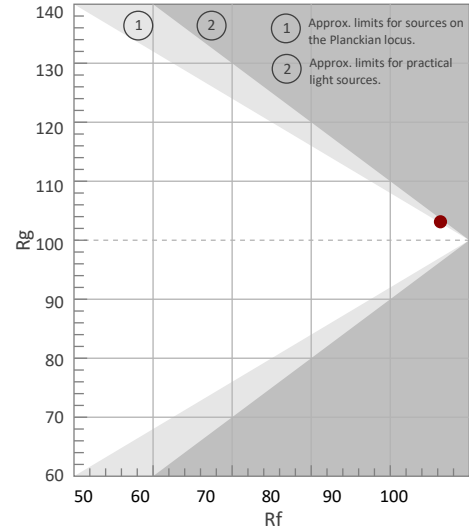
Color Vector Graphic



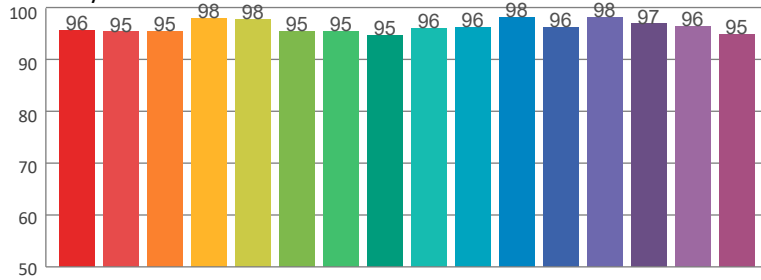
Color Distortion Graphic



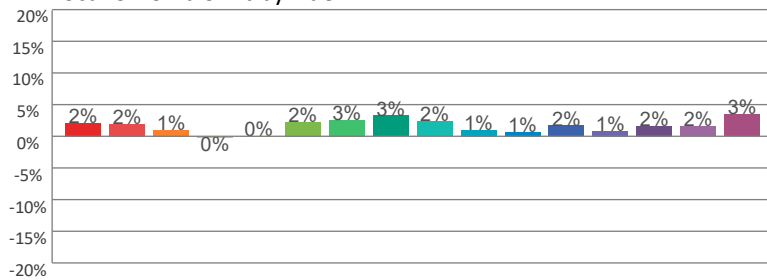
Hue Bin	Rf	Graphic shifts (%)	
		Chroma	Hue
1	96	2%	-1%
2	95	2%	-2%
3	95	1%	-2%
4	98	0%	-1%
5	98	0%	1%
6	95	2%	2%
7	95	3%	1%
8	95	3%	-1%
9	96	2%	-1%
10	96	1%	-2%
11	98	1%	0%
12	96	2%	-2%
13	98	1%	-1%
14	97	2%	0%
15	96	2%	1%
16	95	3%	-2%



Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample

