

Light efficiency:

39 Lumen/Watt

Light quality:

CRI: 91.5

Color temperature:

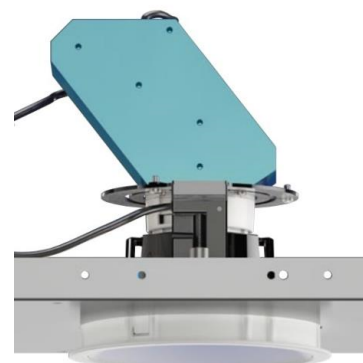
2998 K

Output: 999 lm

Peak: 3329 cd

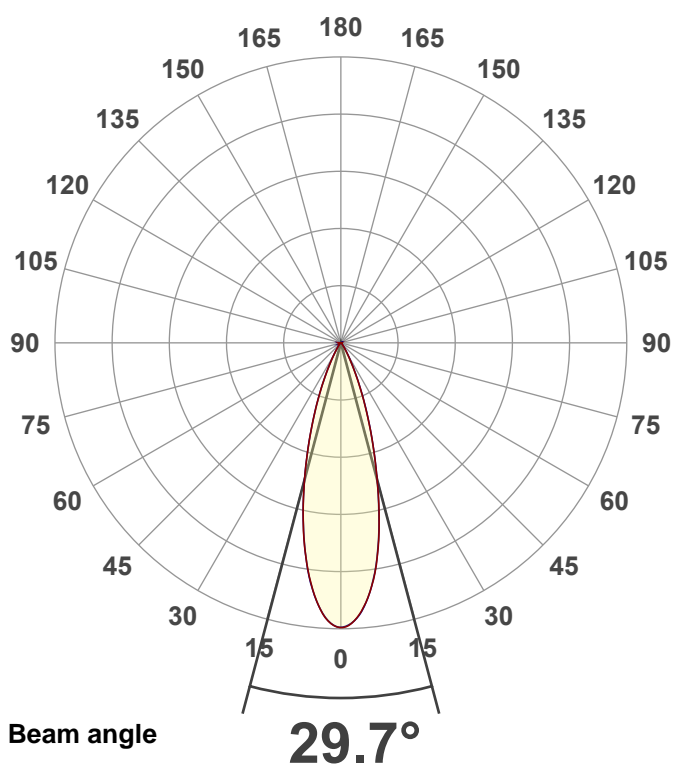
Power: 25.6 W

PF: 0.96



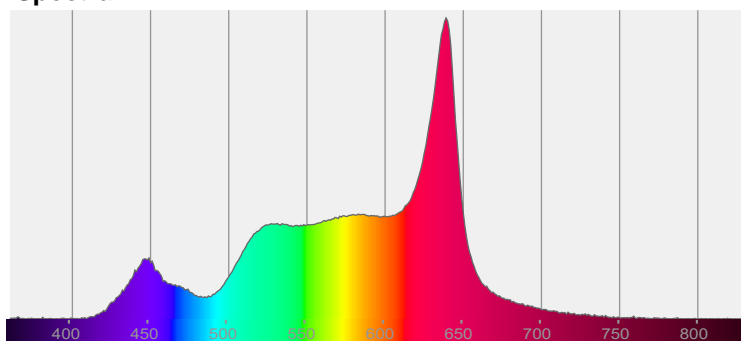
NU4-RD-RGBW-10LM-30K-90-30D-NL-WH-WH

Date and time:
5/9/2022 10:50:48 AM

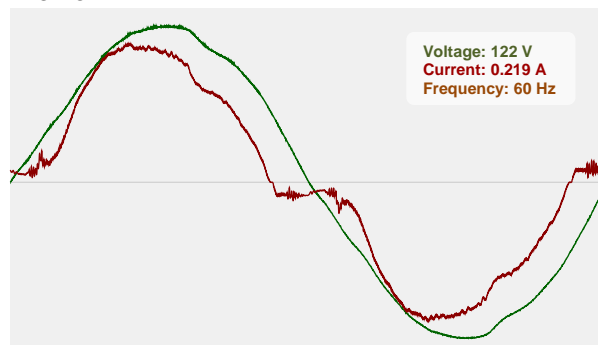


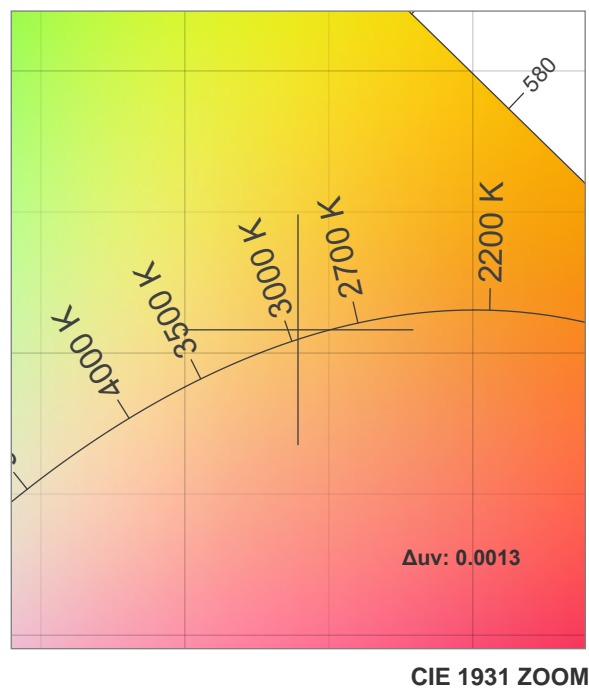
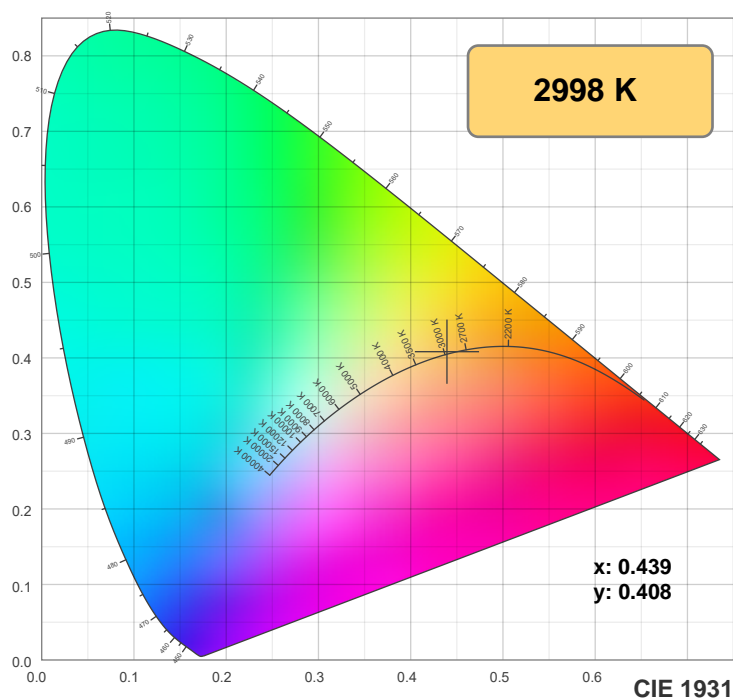
CIE 1931
x: 0.439
y: 0.408

Spectra

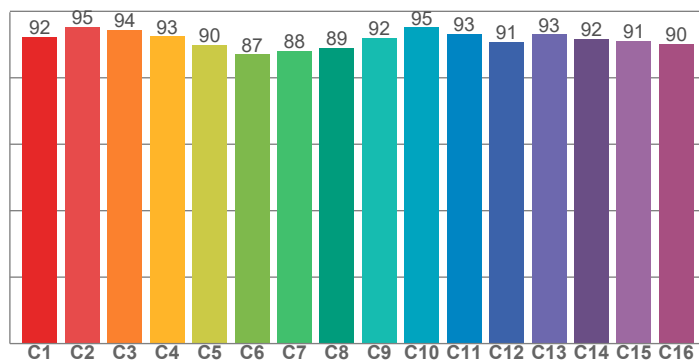


Power

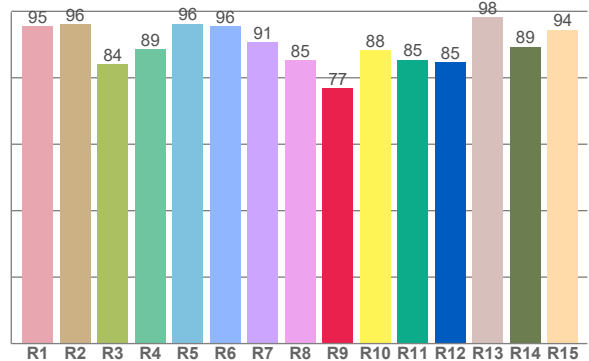




TM30: 91.9



CRI: 91.5 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95.5	96.2	84.2	88.5	96.3	95.5	90.7	85.3	76.8	88.4	85.4	84.6	98.1	89.4	94.5

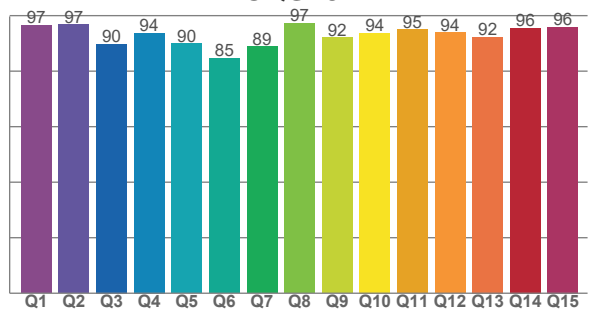
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
92.4	95.3	94.3	92.5	89.9	87.0	88.2	88.9	92.0	95.1	93.1	90.8	93.1	91.7	91.1	90.2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96.5	96.8	89.8	93.8	90.0	84.7	88.8	97.3	92.1	93.7	95.0	93.9	92.3	95.5	95.8

CQS: 92.1



Color parameters

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2998 K	91.5	76.8	91.9	106.4	92.1	0.439	0.408	0.250	0.349	0.0013

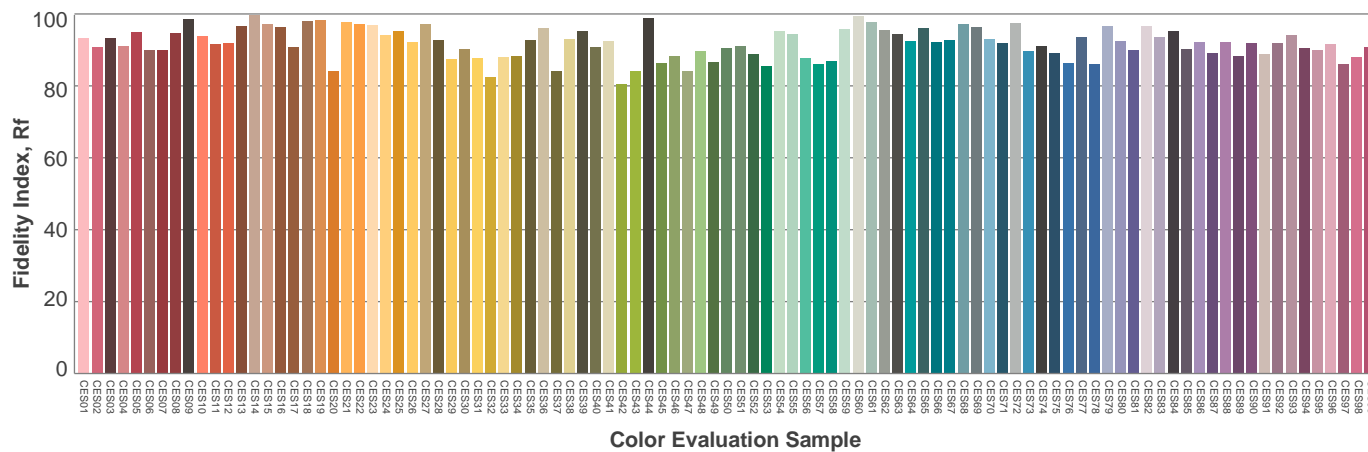
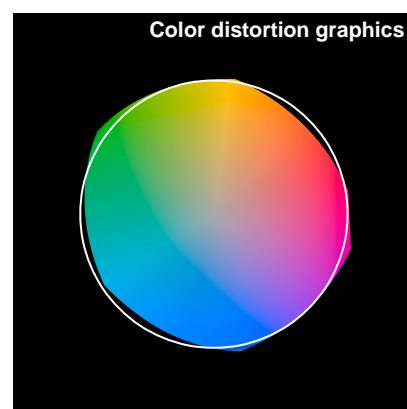
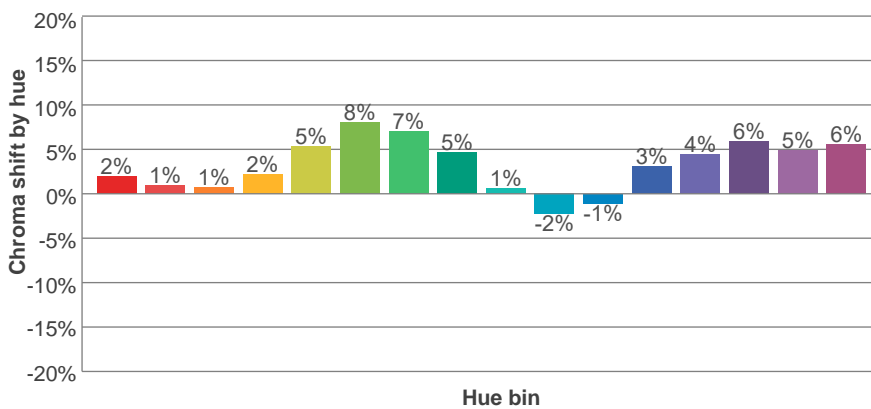
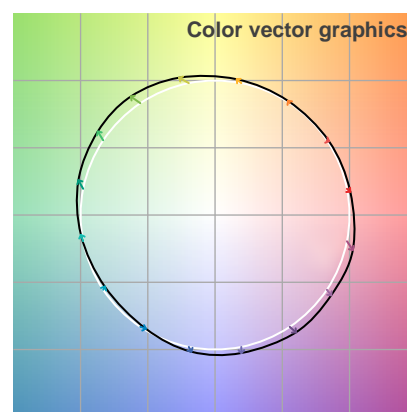
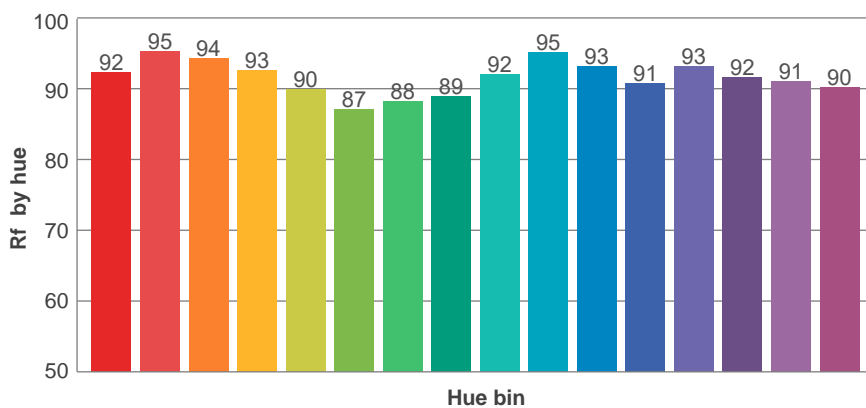
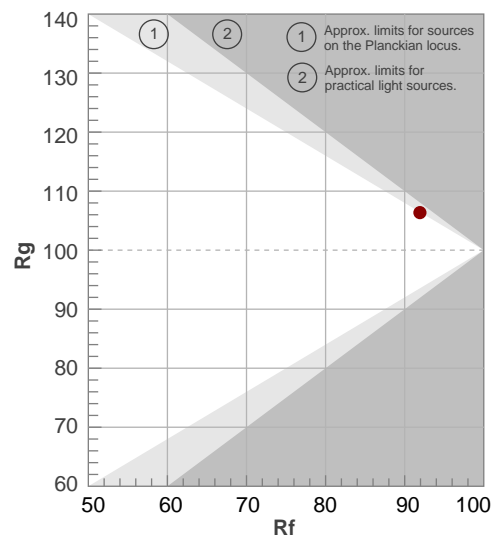
Rf 91.9

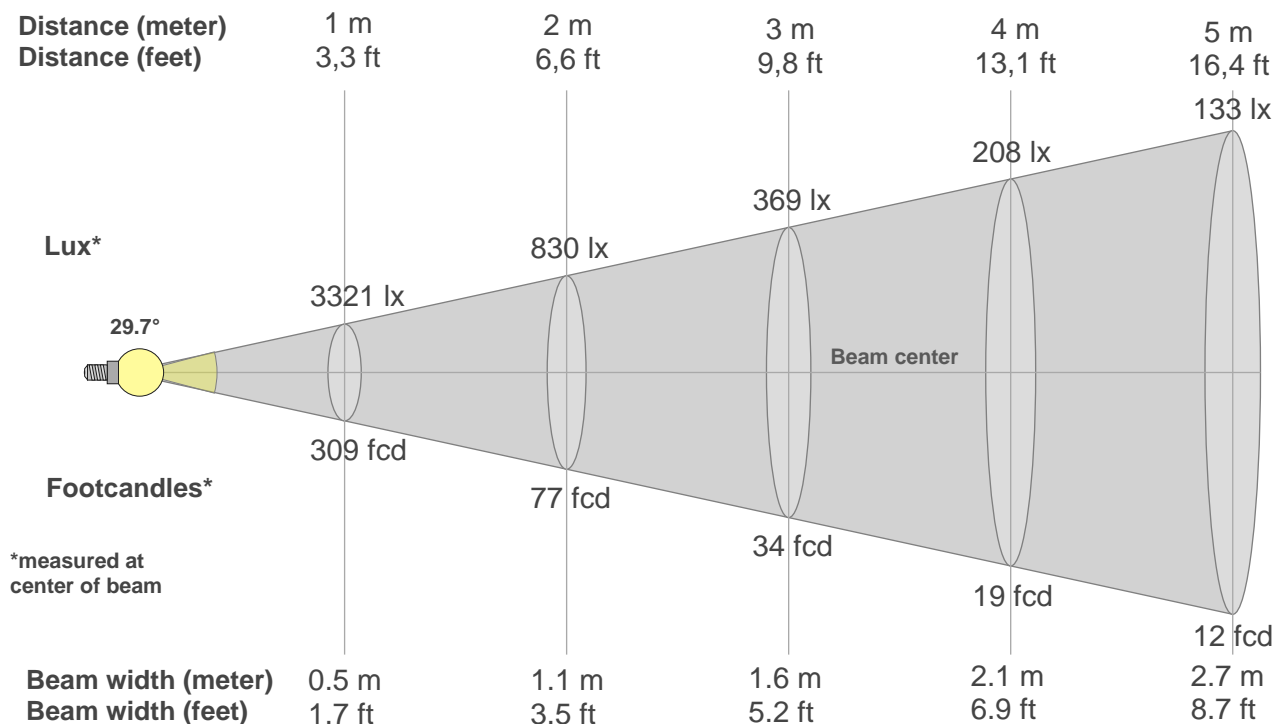
Fidelity index R_f

Rg 106.4

Gammut index Rg

		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	92	2%	-3%
2	95	1%	-1%
3	94	1%	2%
4	93	2%	4%
5	90	5%	6%
6	87	8%	3%
7	88	7%	-3%
8	89	5%	-5%
9	92	1%	-5%
10	95	-2%	-1%
11	93	-1%	4%
12	91	3%	3%
13	93	4%	-1%
14	92	6%	2%
15	91	5%	-2%
16	90	6%	-5%





Beam intensities from 1-20m

1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
3321lx	830lx	369lx	208lx	133lx	92lx	68lx	52lx	41lx	33lx	27lx	23lx	20lx	17lx	15lx	13lx	11lx	10lx	9lx	8lx
308.6fcd	77.1fcd	34.3fcd	19.3fcd	12.3fcd	8.6fcd	6.3fcd	4.8fcd	3.8fcd	3.1fcd	2.6fcd	2.1fcd	1.8fcd	1.6fcd	1.4fcd	1.2fcd	1.1fcd	1fcd	0.9fcd	0.8fcd

Intensities in 0° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
3321	3286	3177	3006	2774	2484	2156	1812	1475	1179	918	695	509	359	245	169	120	85	60	43
100%	99%	96%	90%	84%	75%	65%	55%	44%	36%	28%	21%	15%	11%	7%	5%	4%	3%	2%	1%

Intensities in 90° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
3321	3288	3183	3001	2764	2476	2147	1801	1474	1183	926	702	514	364	252	178	125	87	62	46
100%	99%	96%	90%	83%	75%	65%	54%	44%	36%	28%	21%	15%	11%	8%	5%	4%	3%	2%	1%

Intensities in 180° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
3321	3279	3159	2966	2719	2434	2122	1801	1488	1195	935	716	529	375	258	174	117	83	60	44
100%	99%	95%	89%	82%	73%	64%	54%	45%	36%	28%	22%	16%	11%	8%	5%	4%	2%	2%	1%

Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
3321	3275	3152	2964	2725	2432	2119	1799	1487	1196	933	709	522	371	256	173	117	82	59	44
100%	99%	95%	89%	82%	73%	64%	54%	45%	36%	28%	21%	16%	11%	8%	5%	4%	2%	2%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
29.7°	53°	68.2°	99.6%	98.7%