

Light efficiency:

79 Lumen/Watt

Light quality:

CRI: 93.3

Color temperature:

3030 K

Output: 1963 lm

Peak: 3528 cd

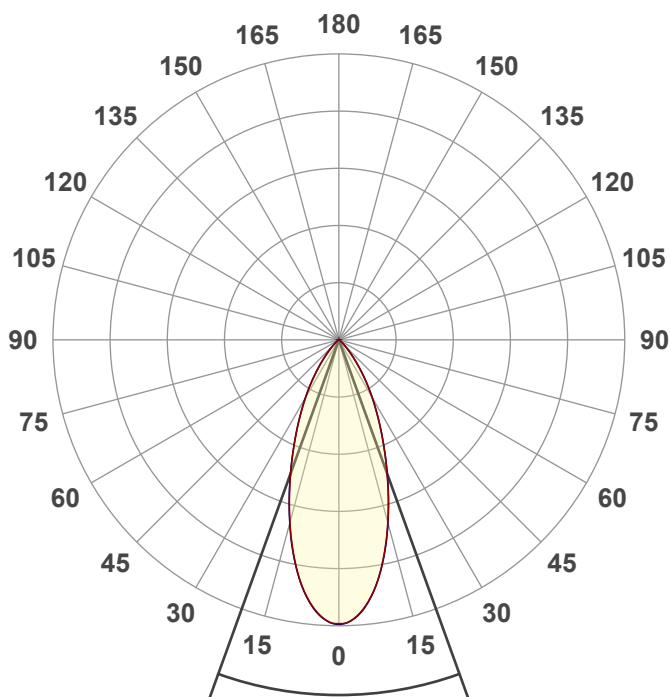
Power: 25.0 W

PF: 0.98



NU4-RD-TW-20LM-2765-95-40D-HET-WH-WH

Date and time:
3/27/2023 1:41:36 PM



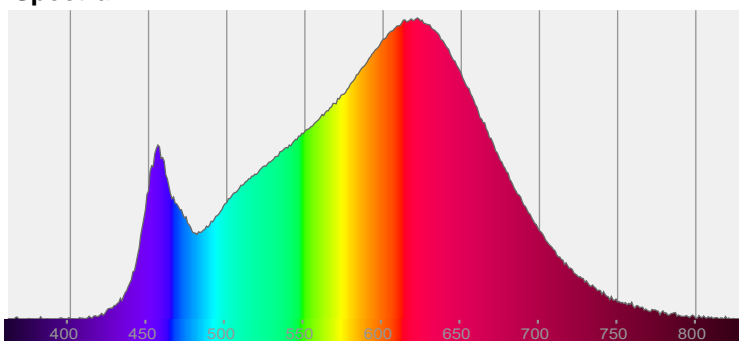
Beam angle

39.7°

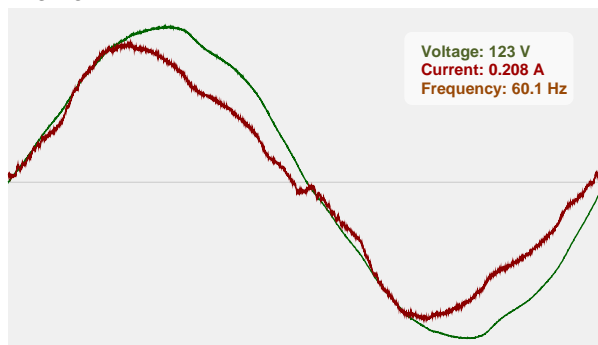


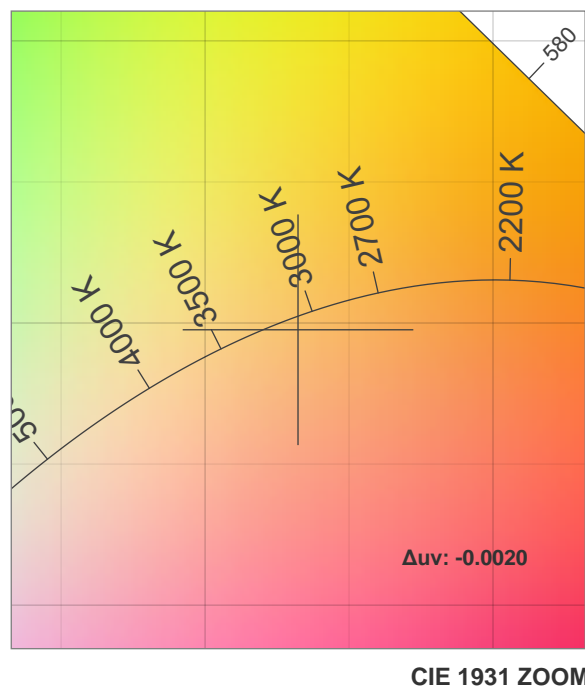
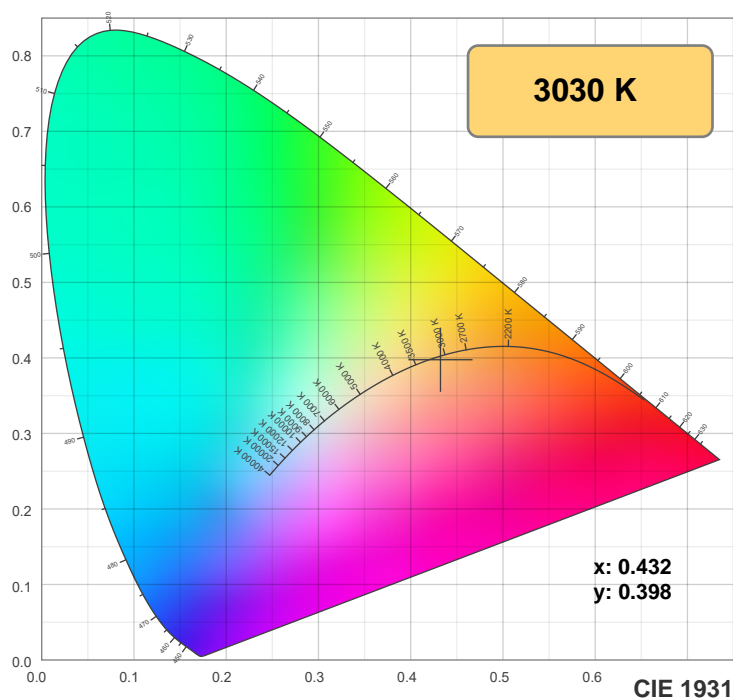
CIE 1931
x: 0.432
y: 0.398

Spectra

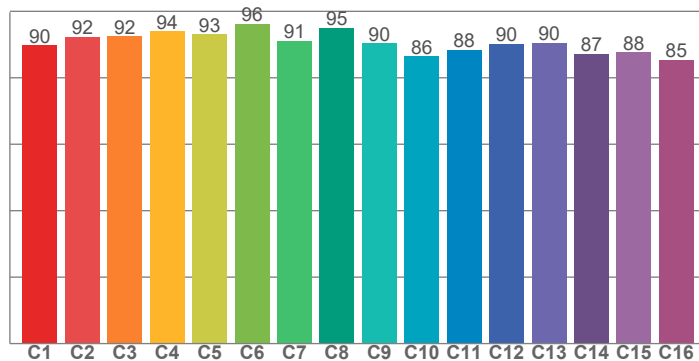


Power

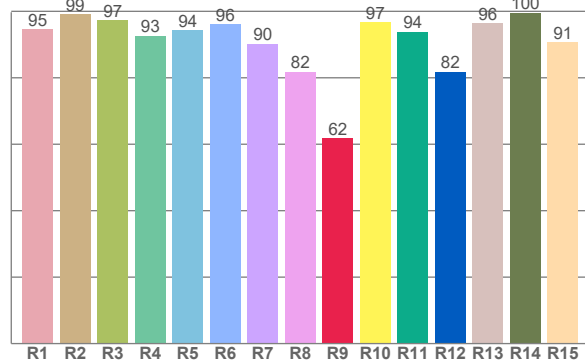




TM30: 90.8



CRI: 93.3 (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
94.6	99.0	97.3	92.7	94.4	96.2	90.3	81.8	61.8	96.8	93.9	81.8	96.3	99.5	90.6

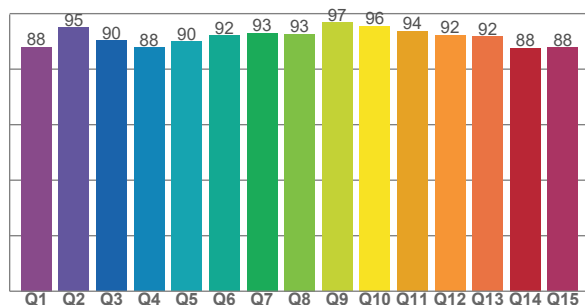
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89.7	92.3	92.5	94.0	93.1	96.3	91.1	95.1	90.4	86.4	88.3	90.1	90.5	87.2	87.7	85.4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
88.0	95.0	90.3	87.7	89.9	92.1	93.1	92.7	96.8	95.6	93.7	92.3	91.8	87.6	87.8

CQS: 91.0



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
3030 K	93.3	61.8	90.8	97.7	91.0	0.432	0.398	0.250	0.345	-0.0020

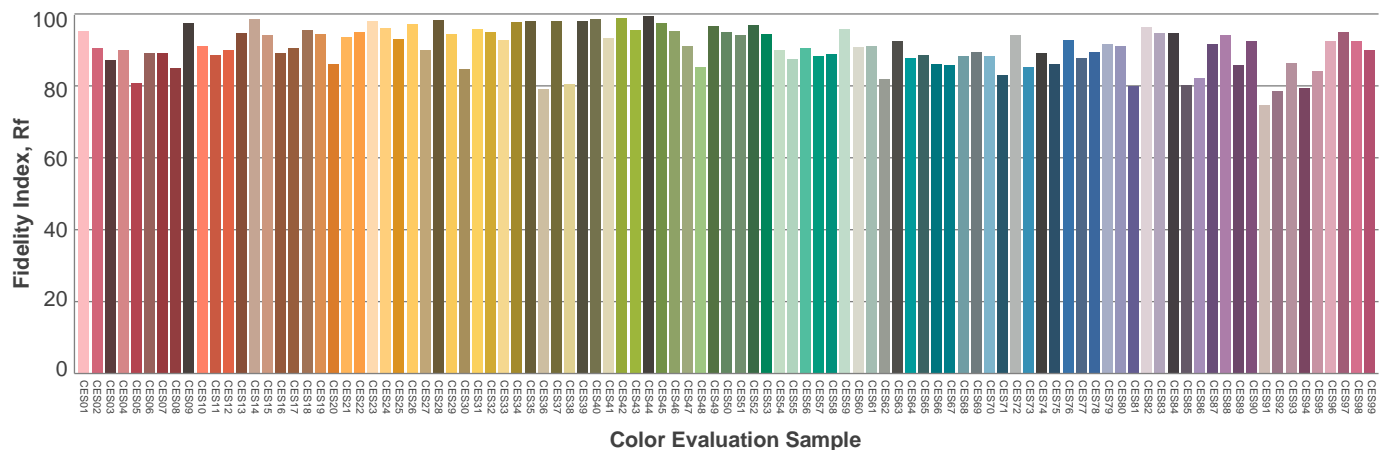
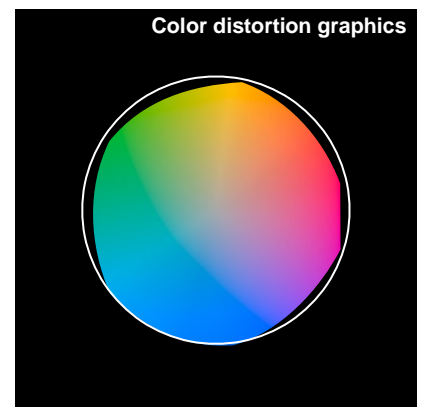
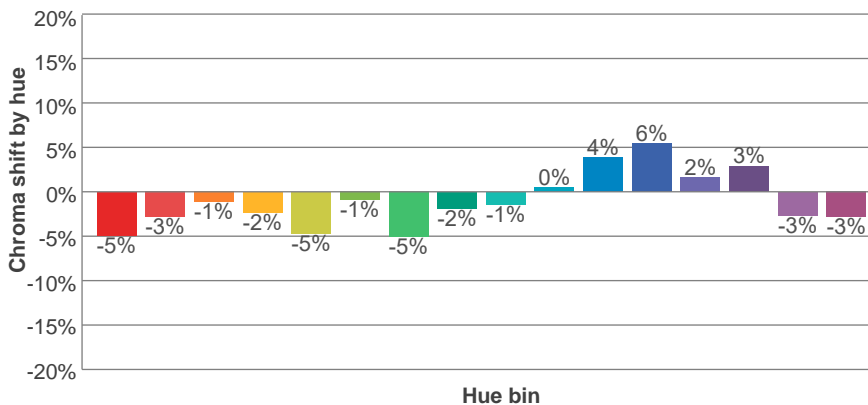
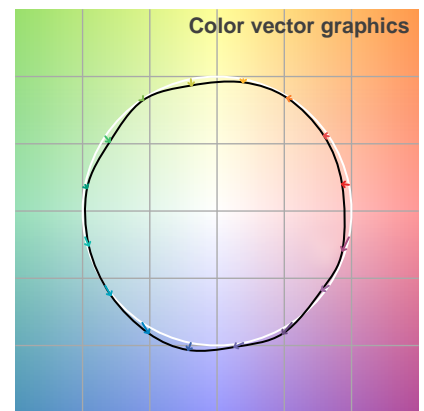
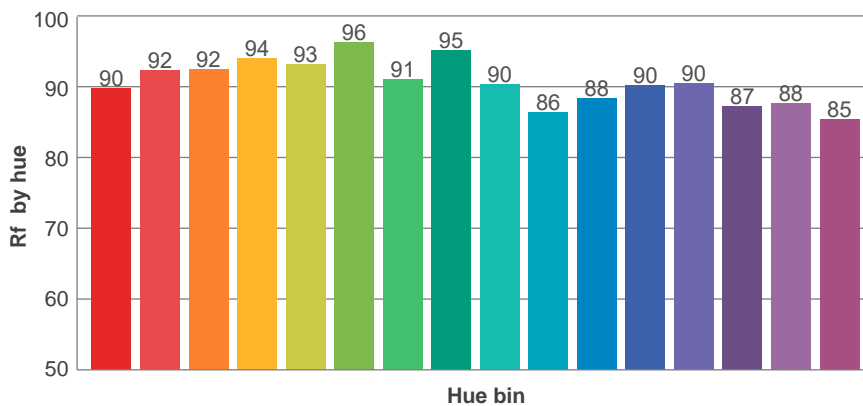
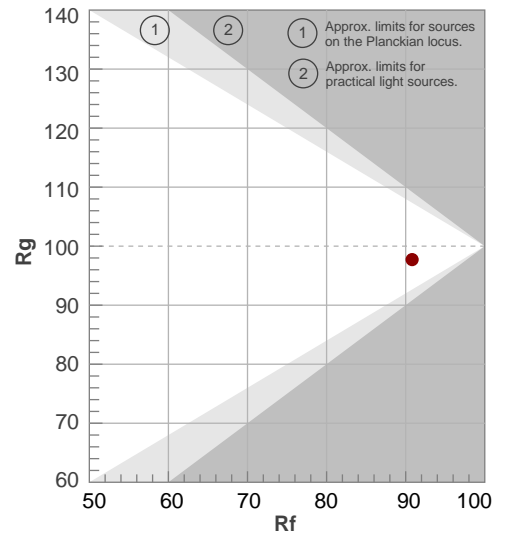
Rf 90.8

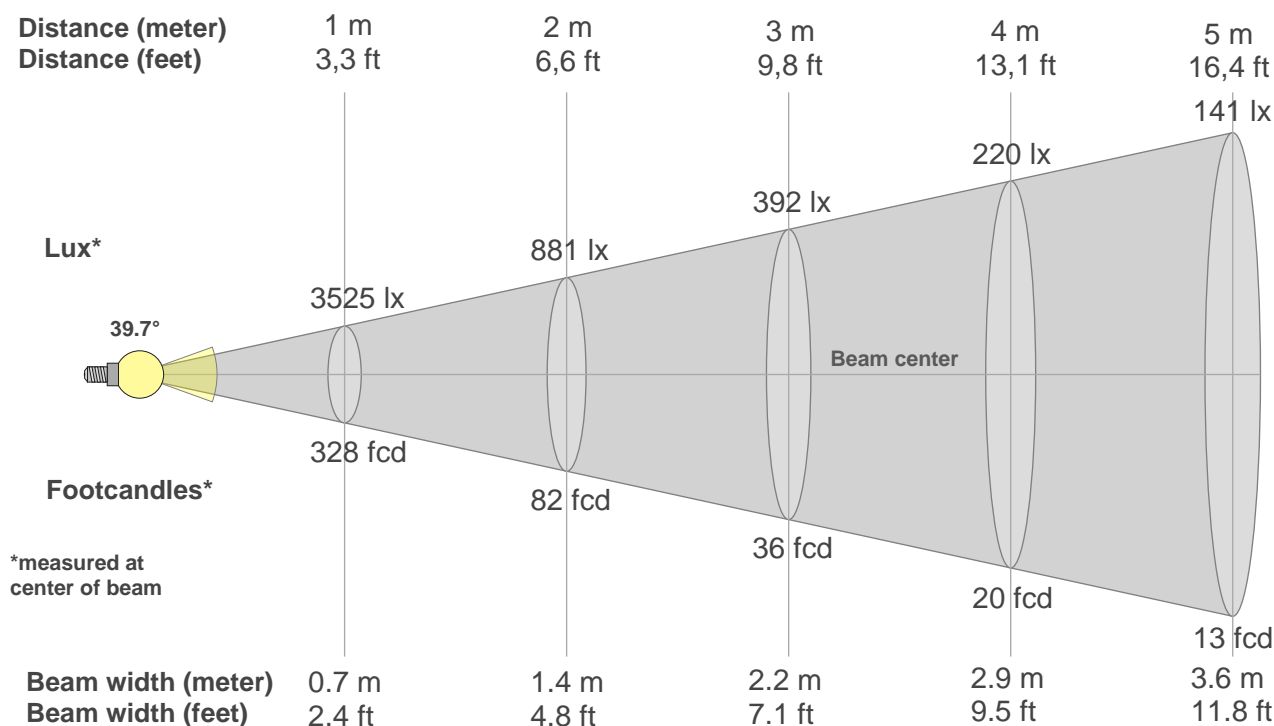
Fidelity index Rf

Rg 97.7

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	90	-5%	1%
2	92	-3%	3%
3	92	-1%	3%
4	94	-2%	0%
5	93	-5%	0%
6	96	-1%	0%
7	91	-5%	2%
8	95	-2%	2%
9	90	-1%	7%
10	86	0%	8%
11	88	4%	8%
12	90	6%	-1%
13	90	2%	-7%
14	87	3%	-10%
15	88	-3%	-6%
16	85	-3%	-11%





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
3525lx	881lx	392lx	220lx	141lx	98lx	72lx	55lx	44lx	35lx	29lx	24lx	21lx	18lx	16lx	14lx	12lx	11lx	10lx	9lx
327.5fcd	81.9fcd	36.4fcd	20.5fcd	13.1fcd	9.1fcd	6.7fcd	5.1fcd	4fcd	3.3fcd	2.7fcd	2.3fcd	1.9fcd	1.7fcd	1.5fcd	1.3fcd	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°
3525	3496	3419	3294	3132	2935	2708	2469	2223	1981	1746	1529	1328	1146	980	829	690	562	445	344
100%	99%	97%	93%	89%	83%	77%	70%	63%	56%	50%	43%	38%	33%	28%	24%	20%	16%	13%	10%

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°
3525	3499	3424	3300	3139	2938	2715	2476	2229	1986	1750	1529	1326	1142	975	826	686	557	442	341
100%	99%	97%	94%	89%	83%	77%	70%	63%	56%	50%	43%	38%	32%	28%	23%	19%	16%	13%	10%

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°
3525	3496	3419	3294	3132	2935	2708	2469	2223	1981	1746	1529	1328	1146	980	829	690	562	445	344
100%	99%	97%	93%	89%	83%	77%	70%	63%	56%	50%	43%	38%	33%	28%	24%	20%	16%	13%	10%

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°
3525	3499	3424	3300	3139	2938	2715	2476	2229	1986	1750	1529	1326	1142	975	826	686	557	442	341
100%	99%	97%	94%	89%	83%	77%	70%	63%	56%	50%	43%	38%	32%	28%	23%	19%	16%	13%	10%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
39.7°	75.5°	93.1°	99.4%	96.6%