

Light efficiency:

78 Lumen/Watt

Light quality:

CRI: 93.3

Color temperature:

3030 K

Output: 1954 lm

Peak: 3795 cd

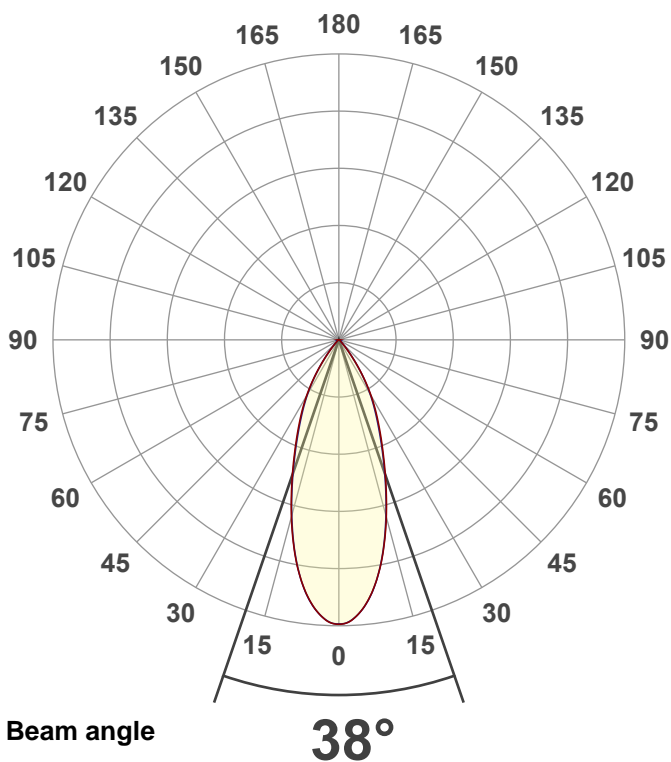
Power: 25.0 W

PF: 0.98



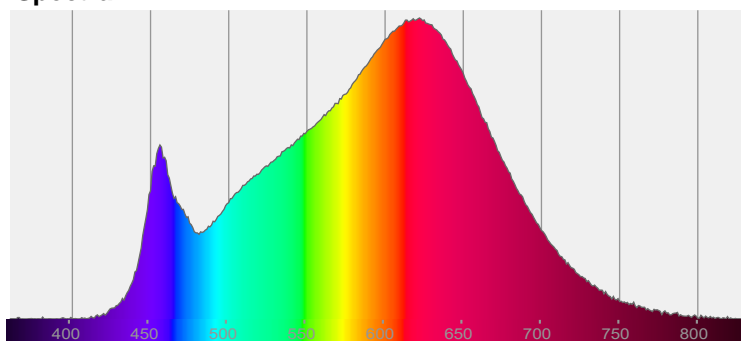
NU4-RD-TW-20LM-2765-95-40D-SBL-WH-WH

Date and time:
3/27/2023 11:50:16 AM

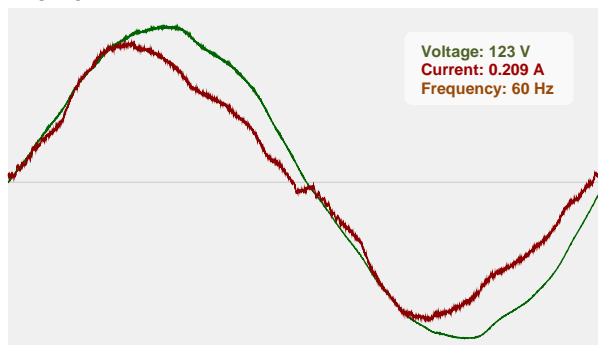


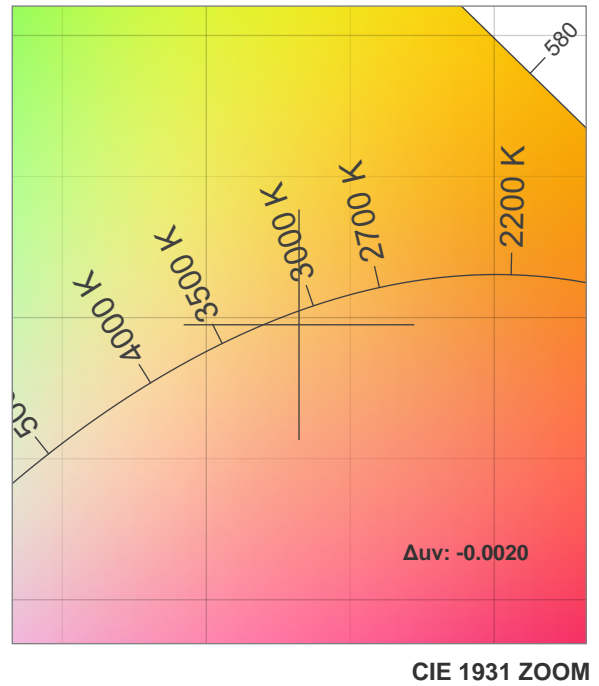
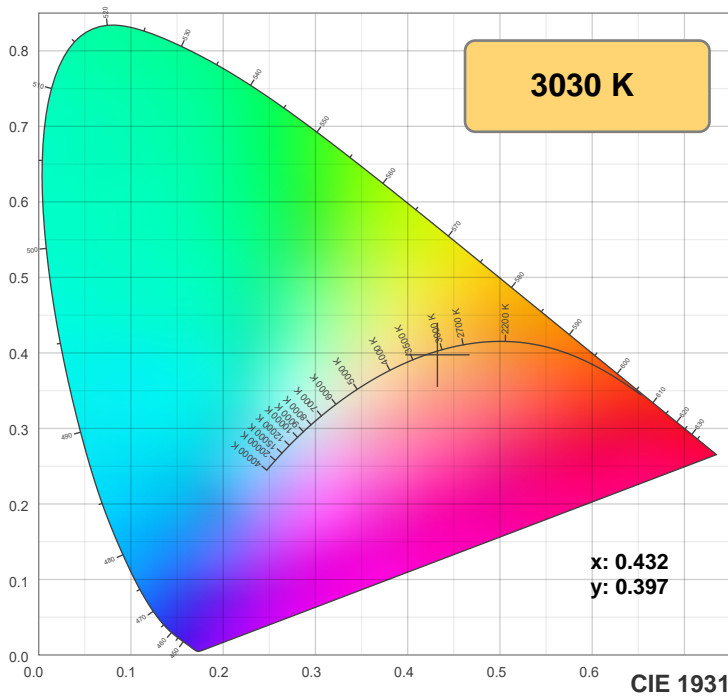
CIE 1931
x: 0.432
y: 0.397

Spectra

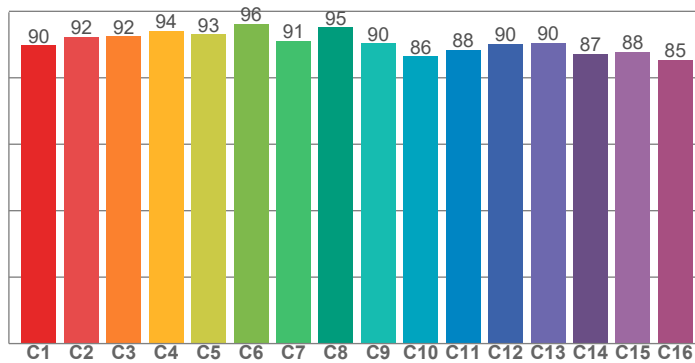


Power

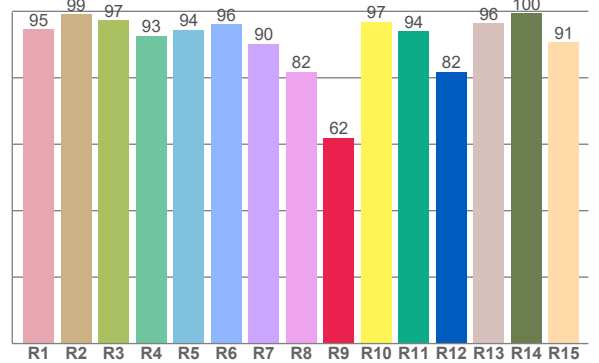




TM30: 90.8



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
94.7	99.0	97.2	92.7	94.4	96.2	90.3	81.8	62.0	96.8	93.9	81.8	96.4	99.5	90.7

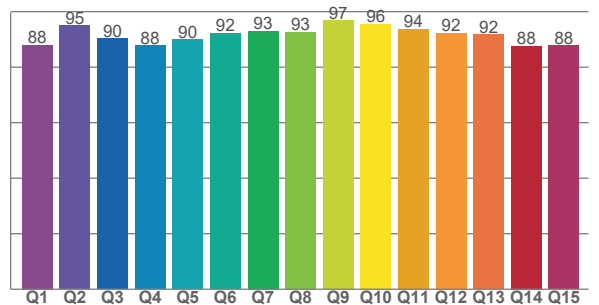
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89.8	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	92.2	93.1	92.7	96.8	95.6	93.7	92.3	91.8	87.7	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	62.0	90.8	97.7	91.0	0.432	0.397	0.250	0.345	-0.0020

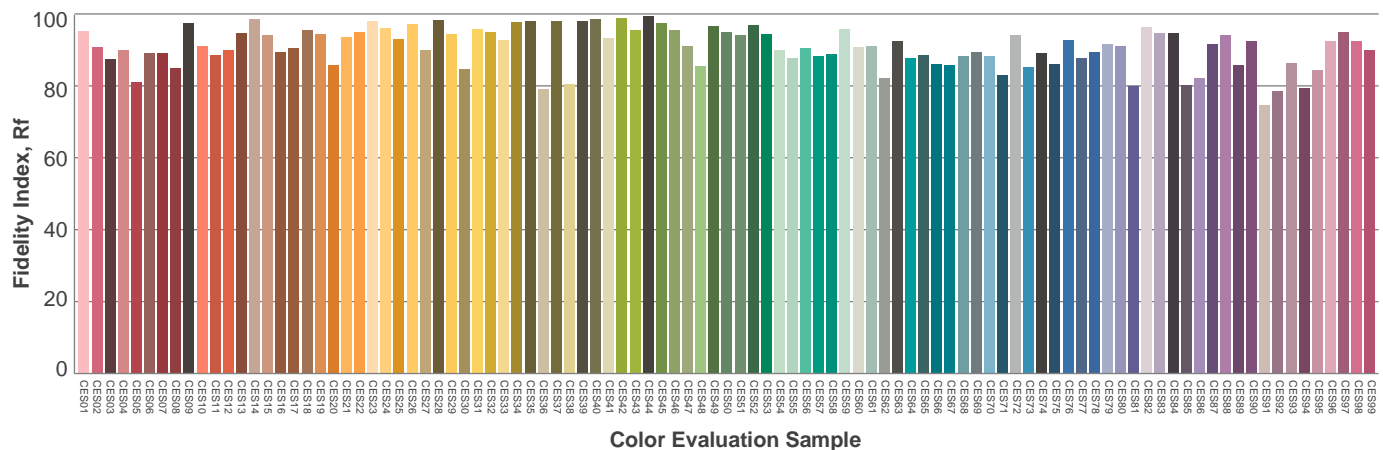
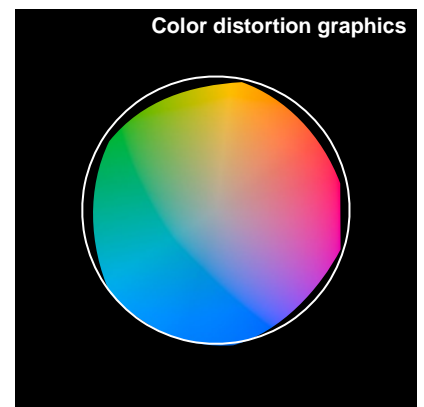
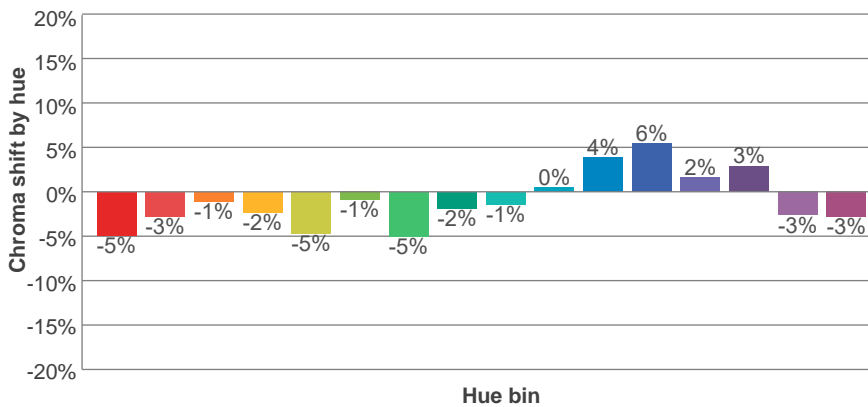
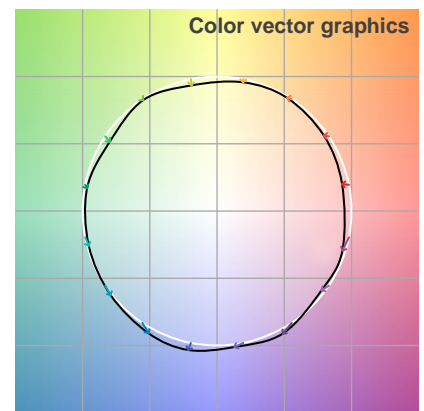
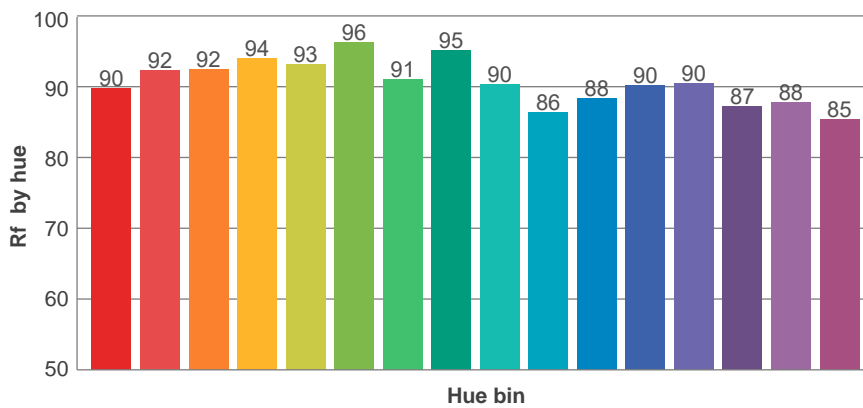
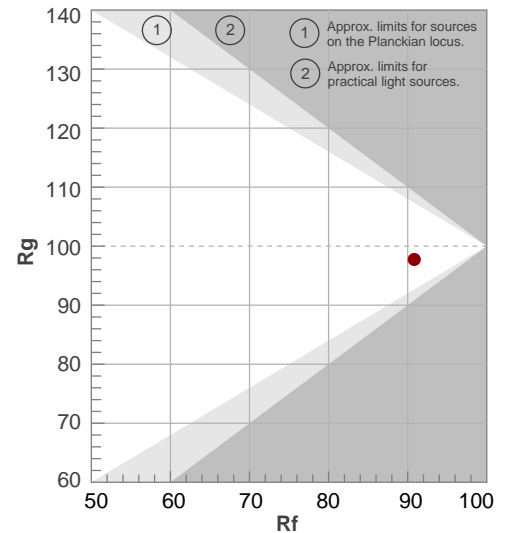
Rf 90.8

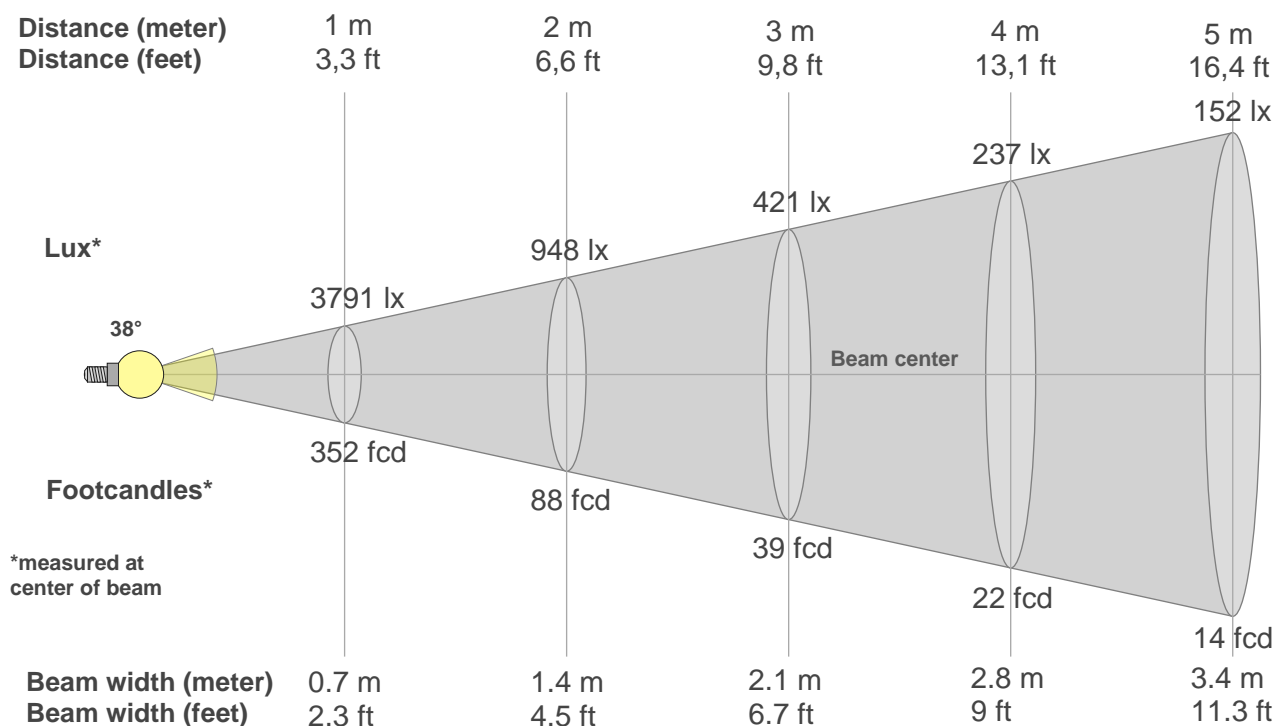
Fidelity index Rf

Rg 97.7

Gamut 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
3791lx	948lx	421lx	237lx	152lx	105lx	77lx	59lx	47lx	38lx	31lx	26lx	22lx	19lx	17lx	15lx	13lx	12lx	11lx	9lx
352.2fcd	88fcd	39.1fcd	22fcd	14.1fcd	9.8fcd	7.2fcd	5.5fcd	4.3fcd	3.5fcd	2.9fcd	2.4fcd	2.1fcd	1.8fcd	1.6fcd	1.4fcd	1.2fcd	1.1fcd	1fcd	0.9fcd

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°
3791	3765	3670	3528	3344	3117	2861	2587	2305	2033	1781	1555	1355	1179	1017	859	700	544	401	279
100%	99%	97%	93%	88%	82%	75%	68%	61%	54%	47%	41%	36%	31%	27%	23%	18%	14%	11%	7%

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°
3791	3760	3671	3530	3344	3114	2851	2570	2287	2011	1752	1523	1320	1143	985	831	679	531	391	273
100%	99%	97%	93%	88%	82%	75%	68%	60%	53%	46%	40%	35%	30%	26%	22%	18%	14%	10%	7%

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°
3791	3765	3670	3528	3344	3117	2861	2587	2305	2033	1781	1555	1355	1179	1017	859	700	544	401	279
100%	99%	97%	93%	88%	82%	75%	68%	61%	54%	47%	41%	36%	31%	27%	23%	18%	14%	11%	7%

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°
3791	3760	3671	3530	3344	3114	2851	2570	2287	2011	1752	1523	1320	1143	985	831	679	531	391	273
100%	99%	97%	93%	88%	82%	75%	68%	60%	53%	46%	40%	35%	30%	26%	22%	18%	14%	10%	7%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
38°	72.6°	86°	99.3%	97.6%