

Light efficiency:

66 Lumen/Watt

Light quality:

CRI: 93.3

Color temperature:

3046 K

Output: 1034 lm

Peak: 4182 cd

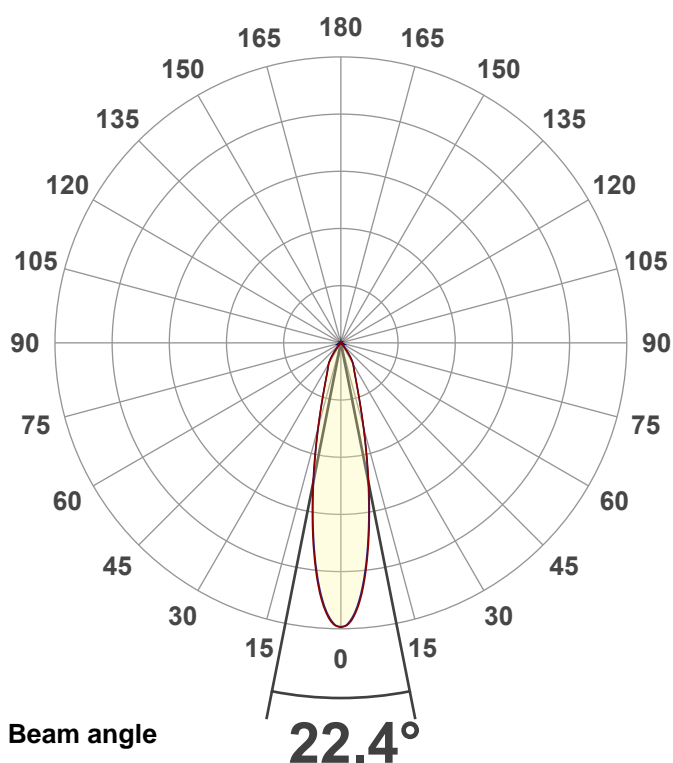
Power: 15.6 W

PF: 0.97



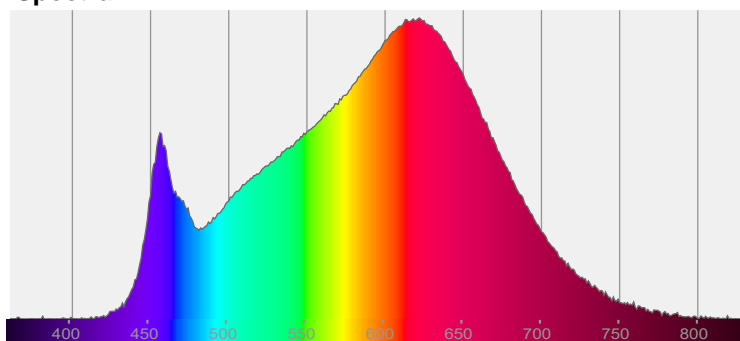
NU4-RD-TW-10LM-2765-95-20D-CL-WH-WH

Date and time:
3/29/2023 11:19:24 AM

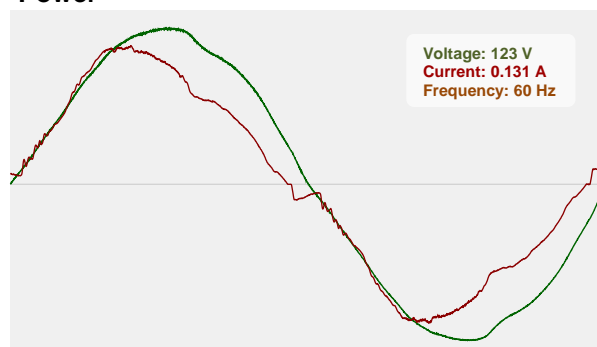


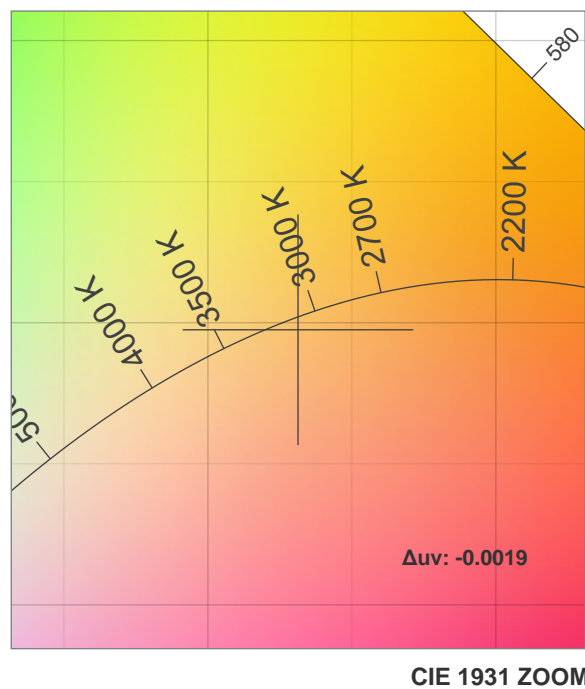
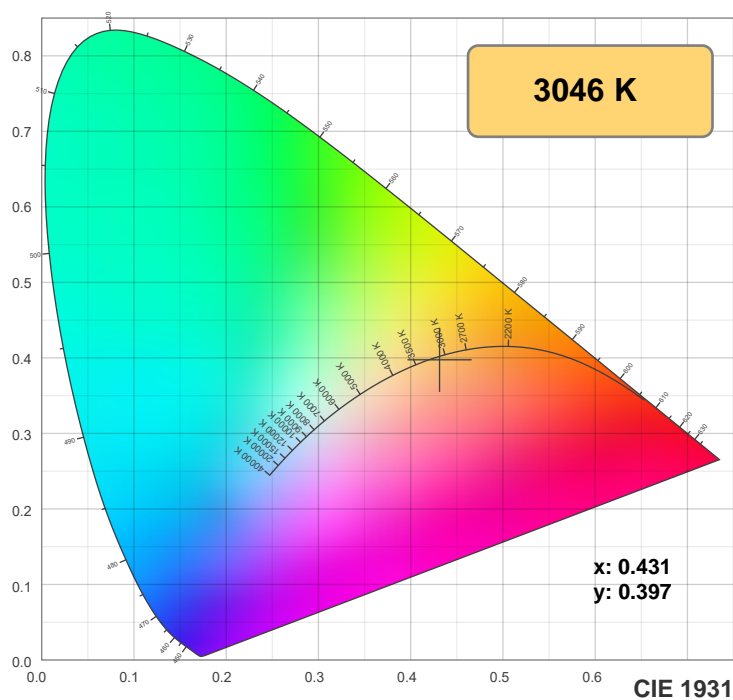
CIE 1931
x: 0.431
y: 0.397

Spectra

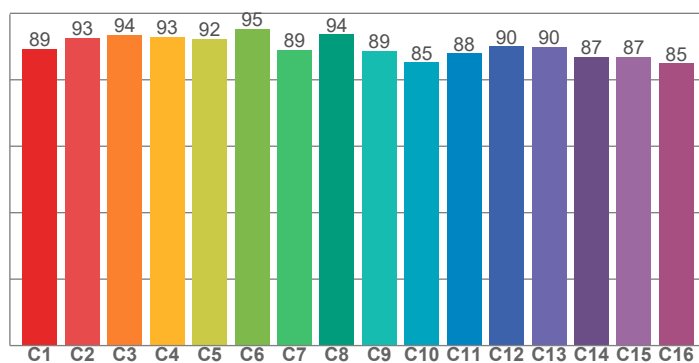


Power

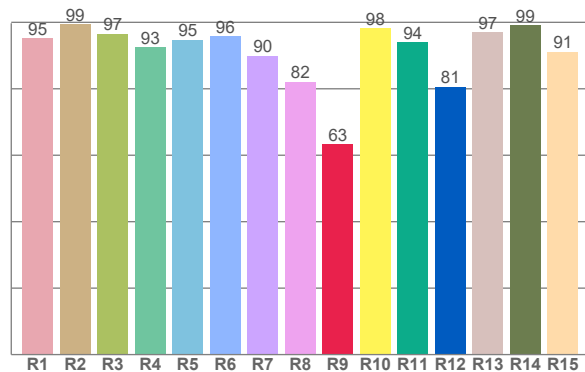




TM30: 90.2



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
95.2	99.4	96.6	92.6	94.7	95.8	90.0	82.1	63.3	98.3	94.0	80.6	97.0	99.1	91.2

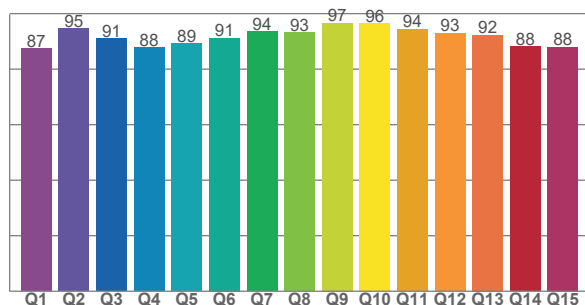
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89.3	92.5	93.5	92.9	92.3	95.4	89.0	93.7	88.8	85.2	88.0	90.0	89.8	86.9	86.9	84.9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
87.4	94.6	91.0	87.8	89.1	91.3	93.6	93.2	96.6	96.4	94.4	92.9	92.2	88.1	88.0

CQS: 91.1



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
3046 K	93.3	63.3	90.2	97.0	91.1	0.431	0.397	0.250	0.345	-0.0019

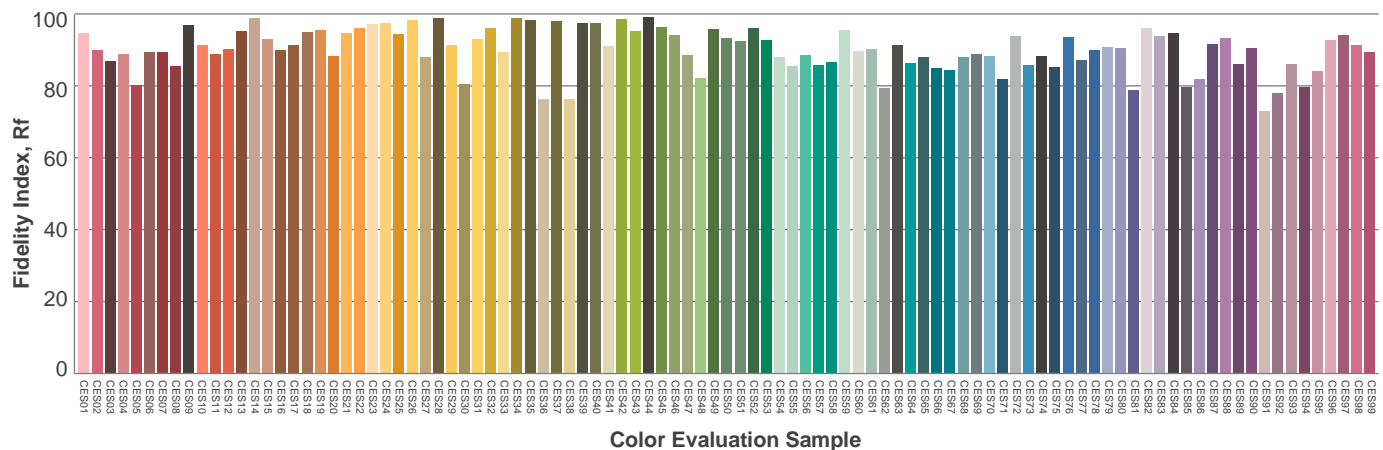
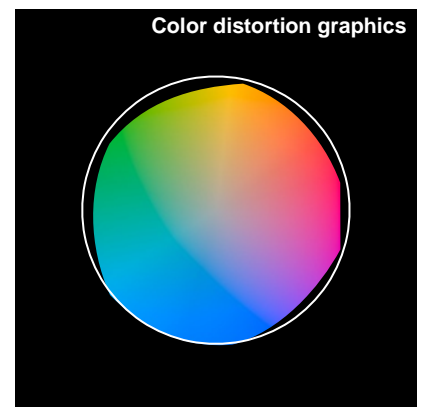
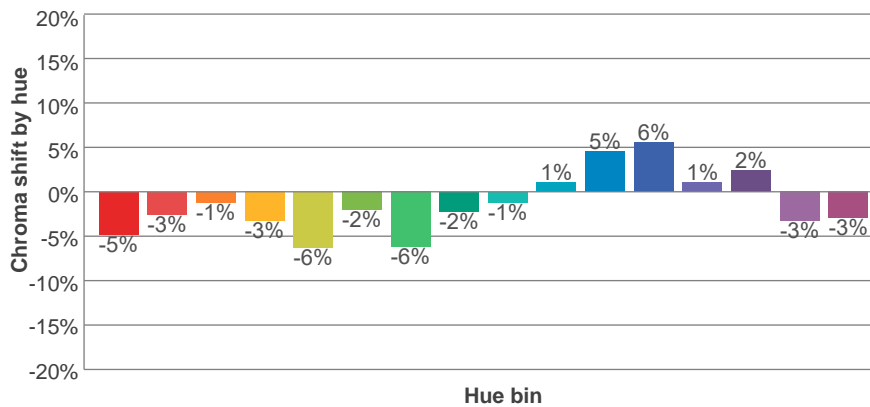
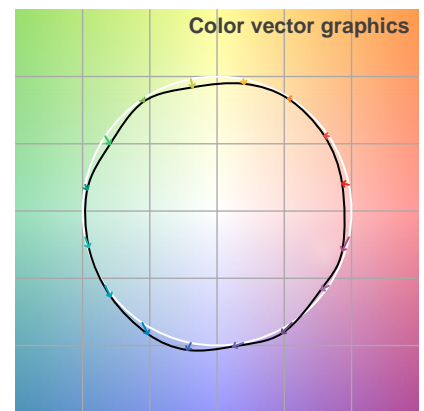
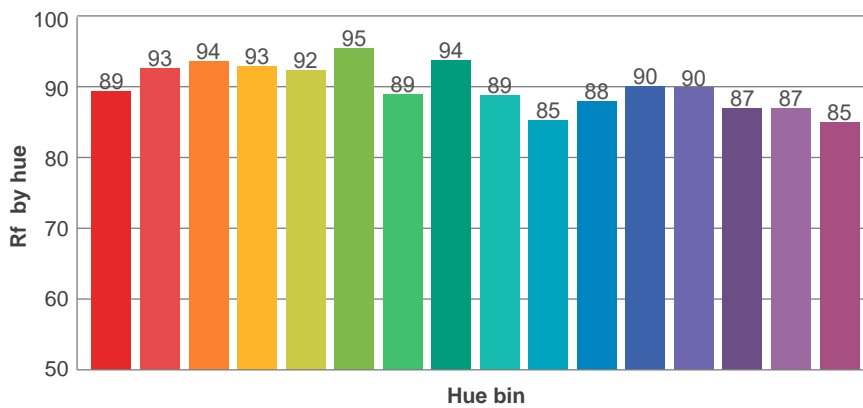
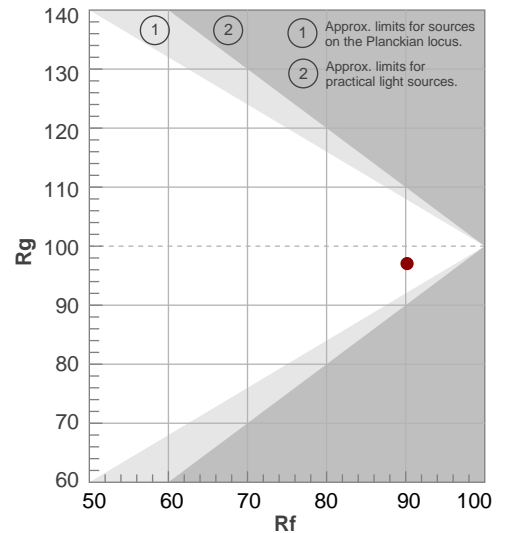
Rf 90.2

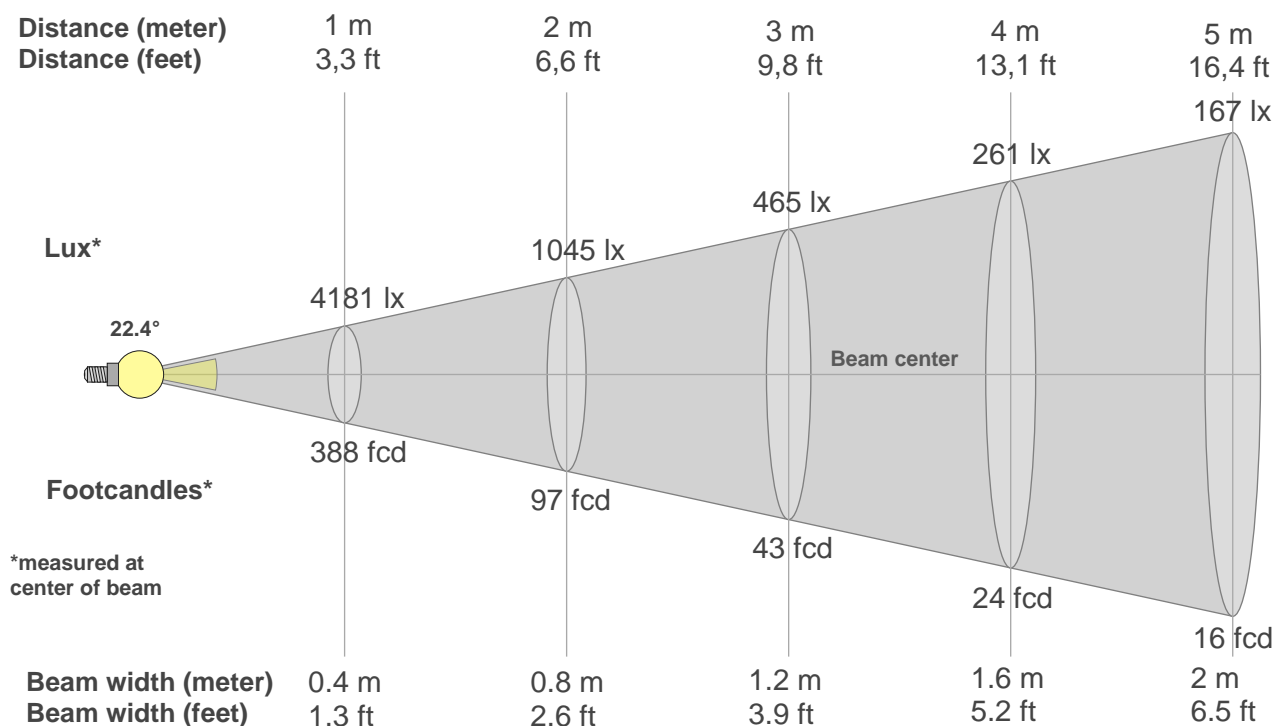
Fidelity index Rf

Rg 97.0

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	89	-5%	2%
2	93	-3%	2%
3	94	-1%	3%
4	93	-3%	-1%
5	92	-6%	0%
6	95	-2%	0%
7	89	-6%	3%
8	94	-2%	3%
9	89	-1%	8%
10	85	1%	9%
11	88	5%	8%
12	90	6%	-2%
13	90	1%	-8%
14	87	2%	-10%
15	87	-3%	-5%
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
4181lx	1045lx	465lx	261lx	167lx	116lx	85lx	65lx	52lx	42lx	35lx	29lx	25lx	21lx	19lx	16lx	14lx	13lx	12lx	10lx
388.4fcd	97.1fcd	43.2fcd	24.3fcd	15.5fcd	10.8fcd	7.9fcd	6.1fcd	4.8fcd	3.9fcd	3.2fcd	2.7fcd	2.3fcd	2fcd	1.7fcd	1.5fcd	1.3fcd	1.2fcd	1.1fcd	1fcd

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°
4181	4100	3841	3432	2935	2410	1913	1481	1143	894	720	598	510	445	399	361	301	233	162	97
100%	98%	92%	82%	70%	58%	46%	35%	27%	21%	17%	14%	12%	11%	10%	9%	7%	6%	4%	2%

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°
4181	4082	3808	3390	2889	2366	1876	1457	1124	880	710	589	503	442	397	359	310	238	160	90
100%	98%	91%	81%	69%	57%	45%	35%	27%	21%	17%	14%	12%	11%	9%	9%	7%	6%	4%	2%

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°
4181	4100	3841	3432	2935	2410	1913	1481	1143	894	720	598	510	445	399	361	301	233	162	97
100%	98%	92%	82%	70%	58%	46%	35%	27%	21%	17%	14%	12%	11%	10%	9%	7%	6%	4%	2%

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°
4181	4082	3808	3390	2889	2366	1876	1457	1124	880	710	589	503	442	397	359	310	238	160	90
100%	98%	91%	81%	69%	57%	45%	35%	27%	21%	17%	14%	12%	11%	9%	9%	7%	6%	4%	2%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
22.4°	54.1°	75.3°	99.0%	98.8%