

Light efficiency:

57 Lumen/Watt

Light quality:

CRI: 93.3

Color temperature:

3003 K

Output: 1439 lm

Peak: 6052 cd

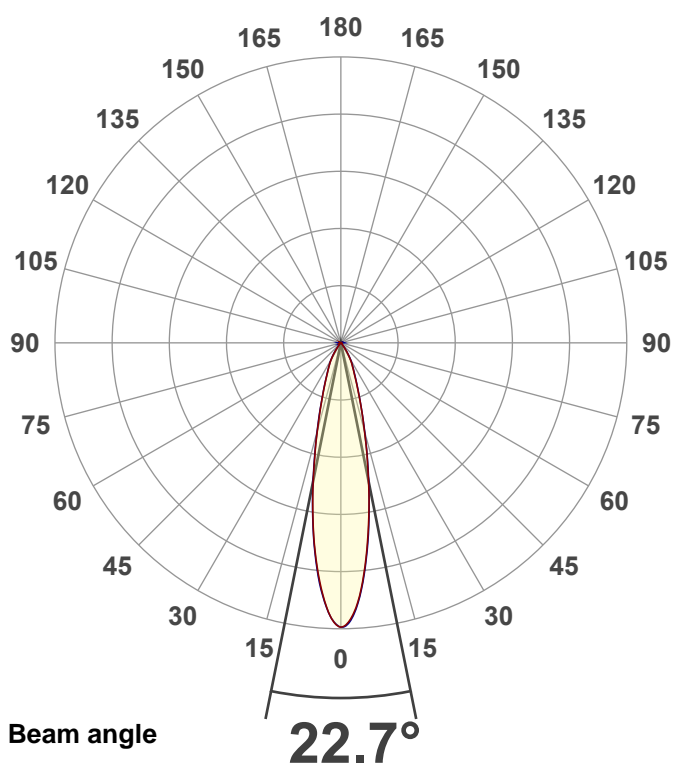
Power: 25.0 W

PF: 0.98



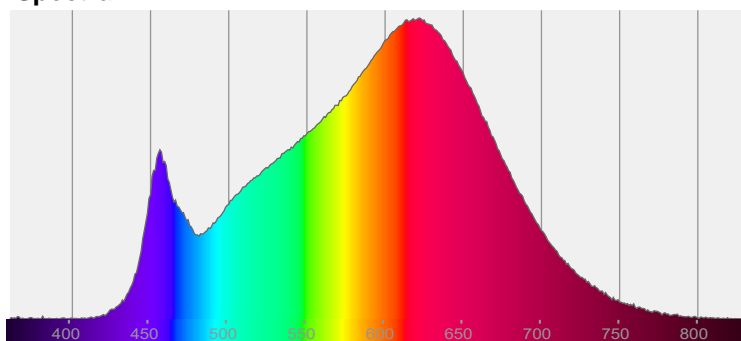
NU4-RD-TW-20LM-2765-95-25D-HCL-WH-WH

Date and time:
3/27/2023 4:09:07 PM

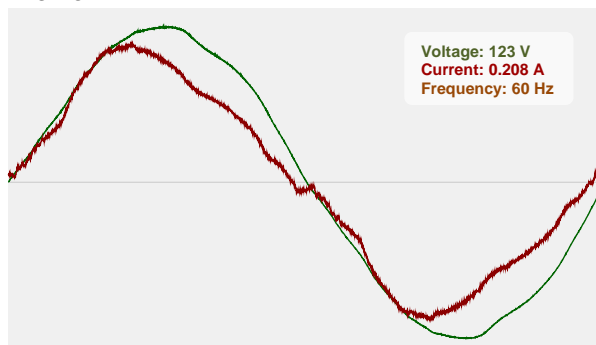


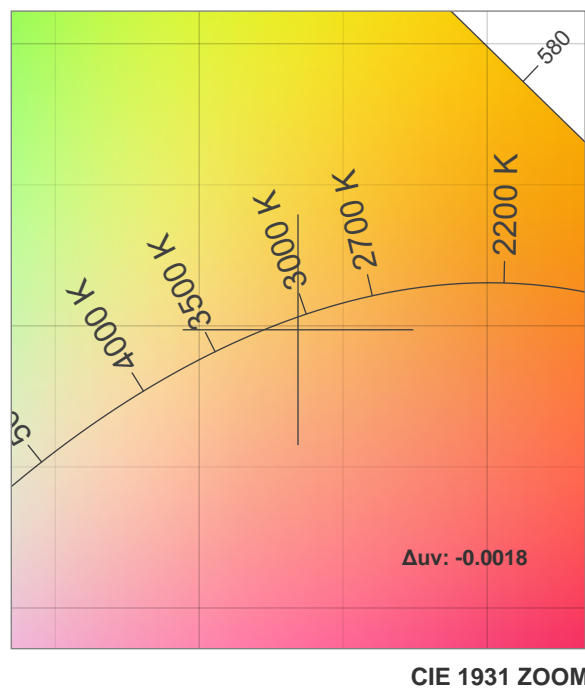
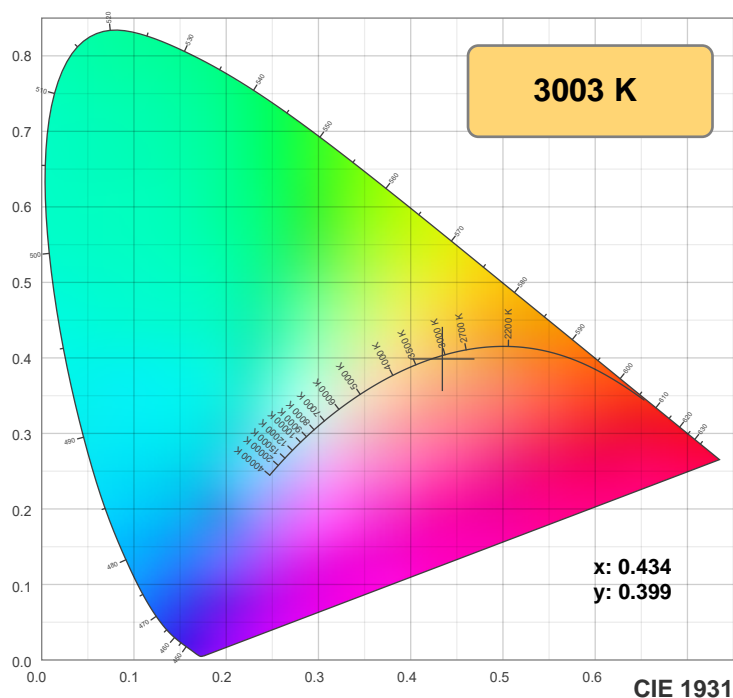
CIE 1931
x: 0.434
y: 0.399

Spectra

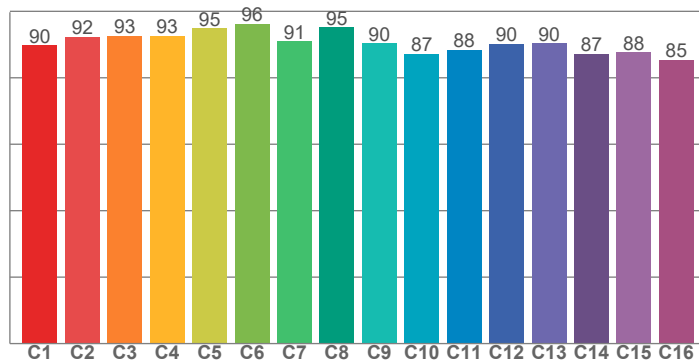


Power

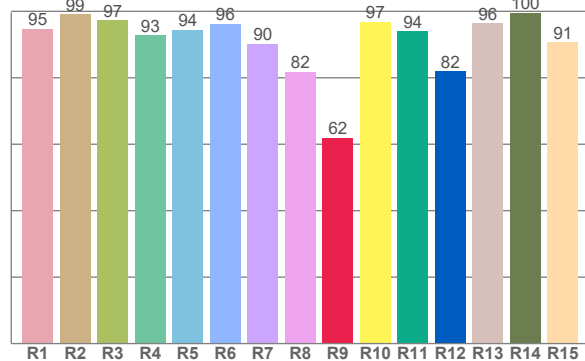




TM30: 90.9



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	99.1	97.3	92.8	94.5	96.2	90.3	81.8	61.9	96.9	94.1	82.0	96.4	99.5	90.6

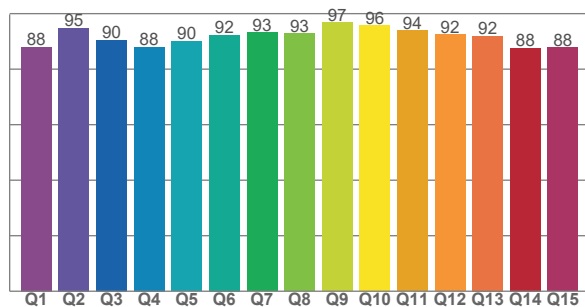
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89.8	92.4	92.6	92.7	94.9	96.3	91.0	95.1	90.3	87.2	88.5	90.1	90.4	87.2	87.7	85.4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
87.9	94.9	90.5	87.9	90.0	92.2	93.2	92.8	96.7	95.7	93.8	92.5	91.9	87.7	87.8

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
3003 K	93.3	61.9	90.9	97.8	91.1	0.434	0.399	0.251	0.346	-0.0018

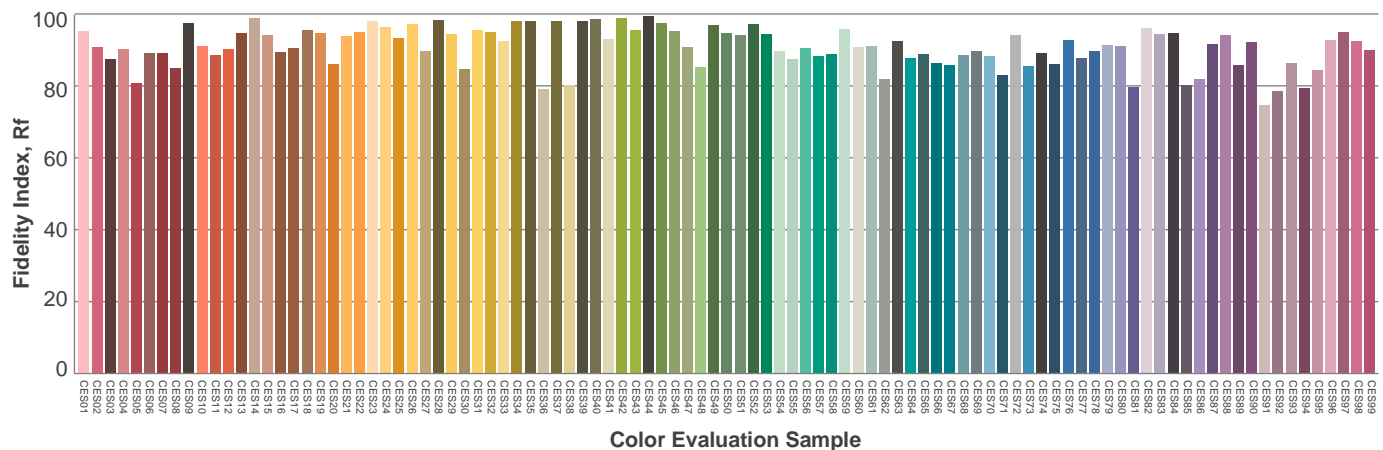
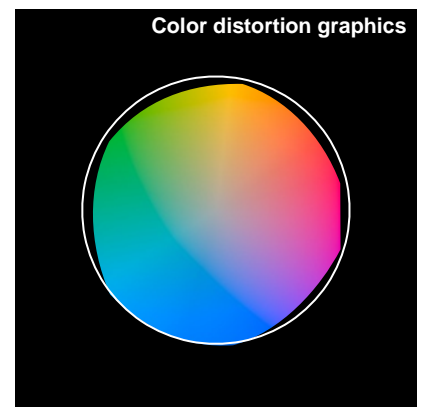
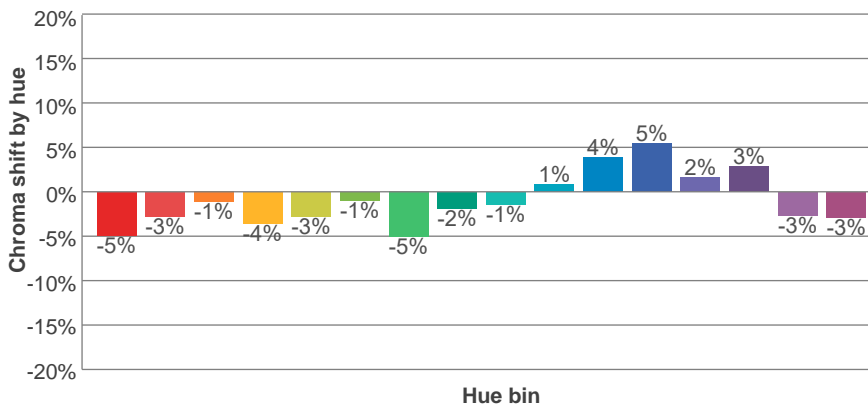
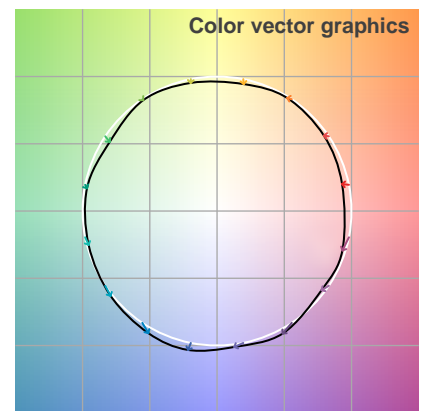
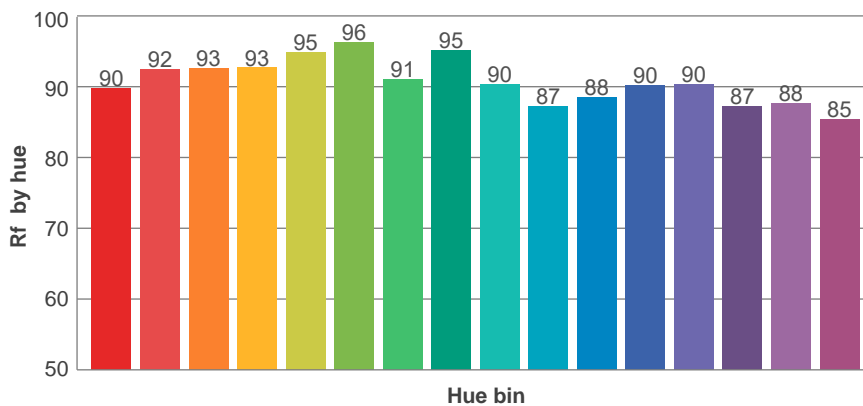
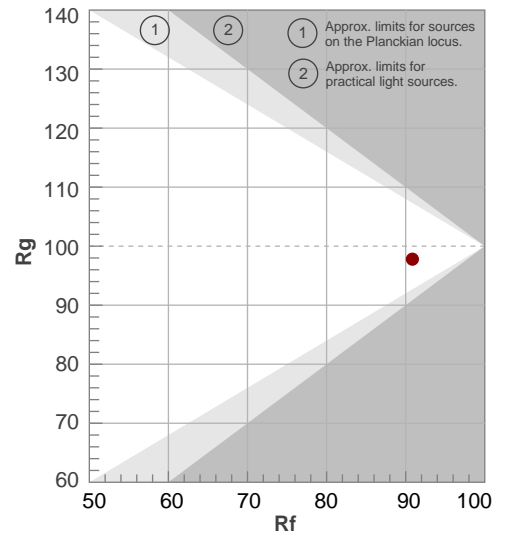
Rf 90.9

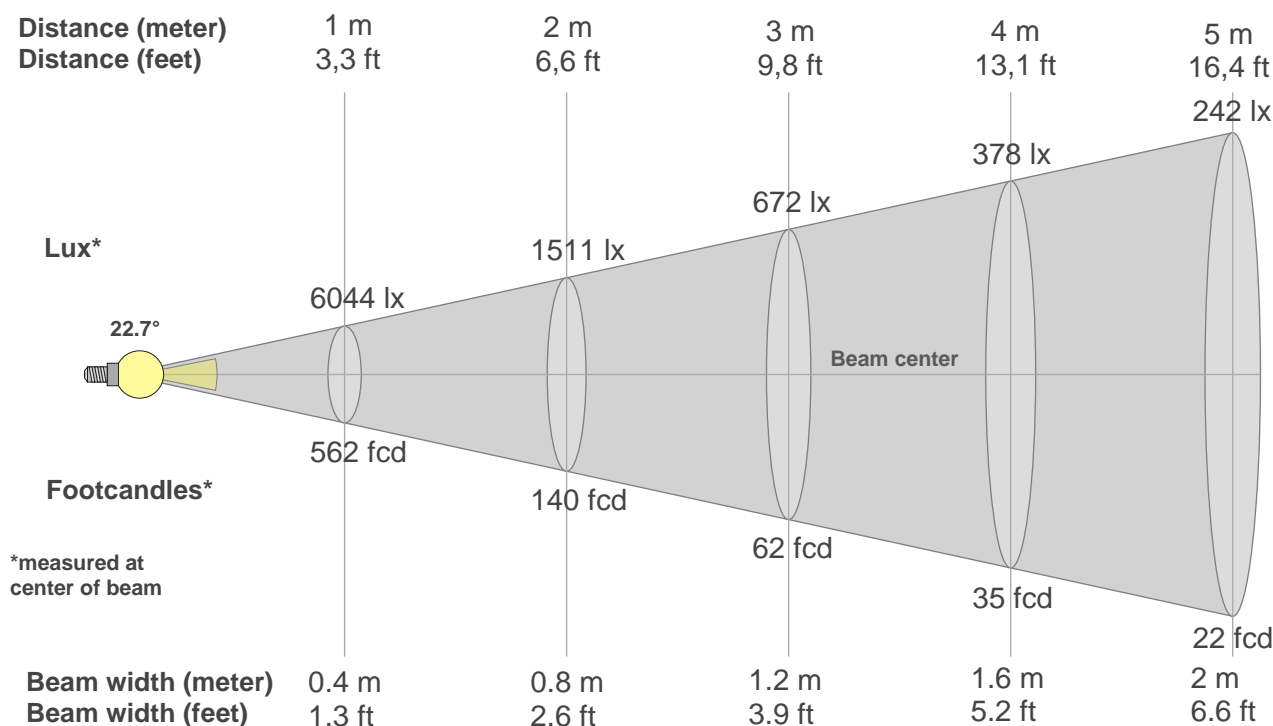
Fidelity index Rf

Rg 97.8

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	90	-5%	1%
2	92	-3%	2%
3	93	-1%	3%
4	93	-4%	-1%
5	95	-3%	1%
6	96	-1%	0%
7	91	-5%	2%
8	95	-2%	2%
9	90	-1%	6%
10	87	1%	8%
11	88	4%	8%
12	90	5%	-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
6044lx	1511lx	672lx	378lx	242lx	168lx	123lx	94lx	75lx	60lx	50lx	42lx	36lx	31lx	27lx	24lx	21lx	19lx	17lx	15lx
561.5fcd	140.4fcd	62.4fcd	35.1fcd	22.5fcd	15.6fcd	11.5fcd	8.8fcd	6.9fcd	5.6fcd	4.6fcd	3.9fcd	3.3fcd	2.9fcd	2.5fcd	2.2fcd	1.9fcd	1.7fcd	1.6fcd	1.4fcd

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°
6044	5879	5458	4837	4141	3452	2779	2209	1724	1351	1057	843	685	571	485	385	294	207	134	71
100%	97%	90%	80%	69%	57%	46%	37%	29%	22%	17%	14%	11%	9%	8%	6%	5%	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°
6044	5912	5485	4870	4181	3466	2806	2220	1738	1355	1072	862	706	593	502	415	310	217	137	76
100%	98%	91%	81%	69%	57%	46%	37%	29%	22%	18%	14%	12%	10%	8%	7%	5%	4%	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°
6044	5857	5399	4808	4150	3446	2767	2196	1702	1343	1073	867	709	599	504	413	317	224	142	81
100%	97%	89%	80%	69%	57%	46%	36%	28%	22%	18%	14%	12%	10%	8%	7%	5%	4%	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°
6044	5856	5422	4844	4175	3477	2792	2213	1734	1355	1078	872	715	601	509	425	333	238	154	87
100%	97%	90%	80%	69%	58%	46%	37%	29%	22%	18%	14%	12%	10%	8%	7%	6%	4%	3%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
22.7°	51.7°	71.6°	99.3%	98.8%