

Light efficiency:

103 Lumen/Watt

Light quality:

CRI: 82.5

Color temperature:

2961 K

Output: 3744 lm

Peak: 4644 cd

Power: 36.3 W

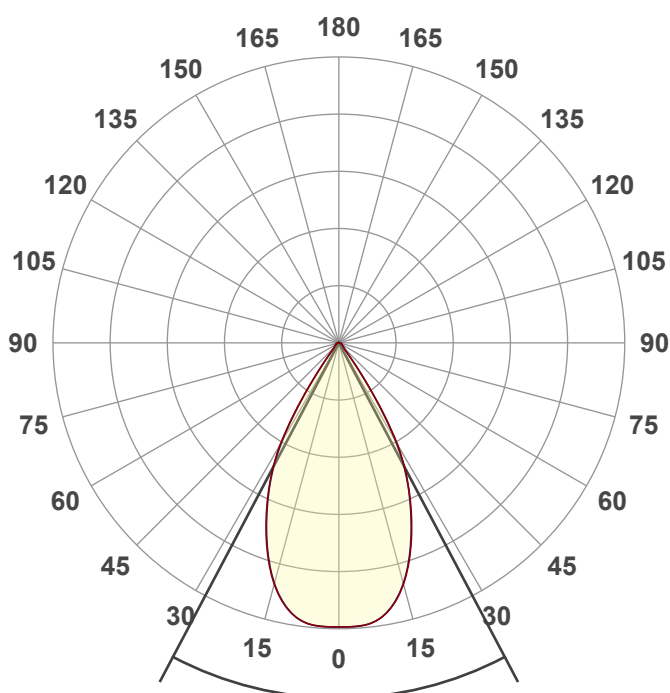
PF: 0.98



NU4-SD-SW-40LM-30K-80-55D-NA-SBL-WH-WH

Date and time:

12/6/2024 8:43:13 AM



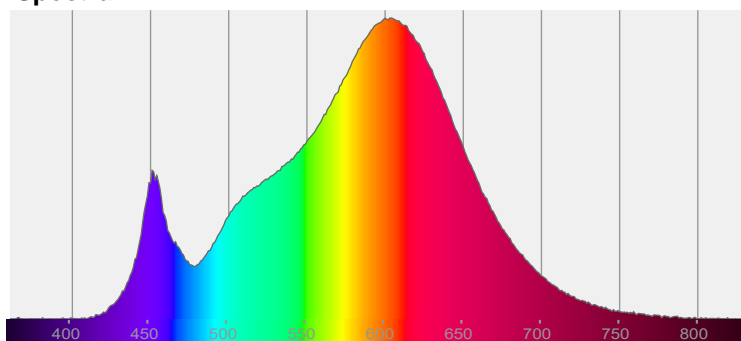
Beam angle

55.7°

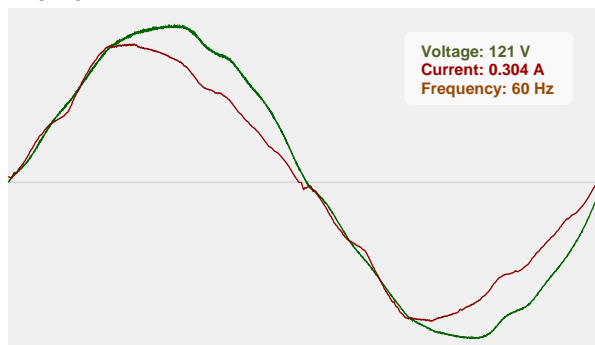


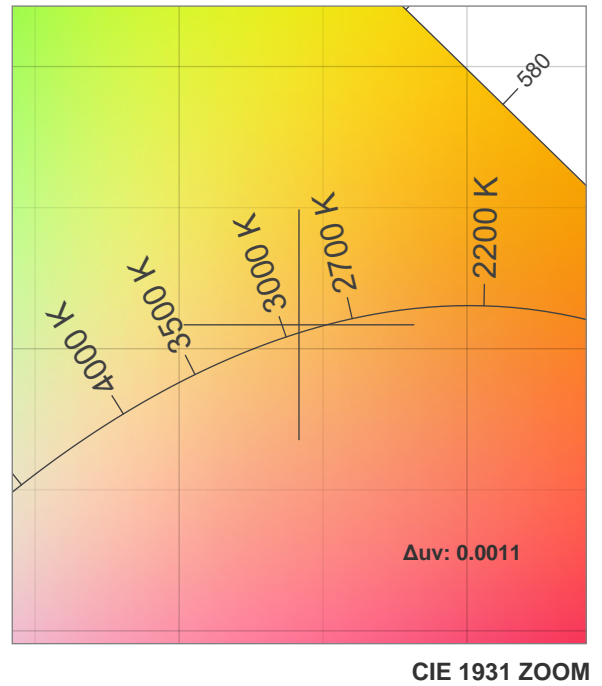
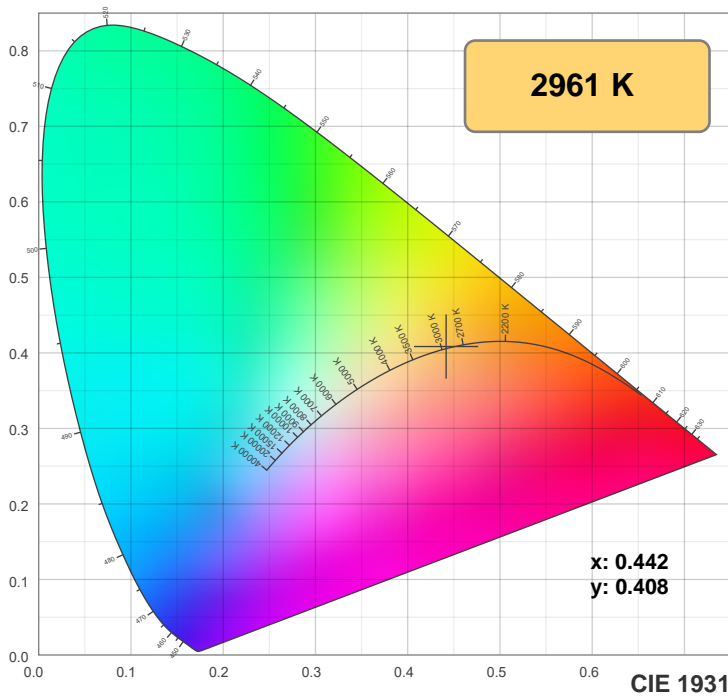
CIE 1931
x: 0.442
y: 0.408

Spectra

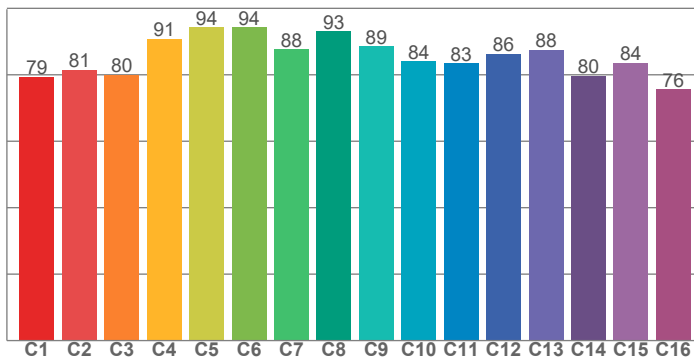


Power

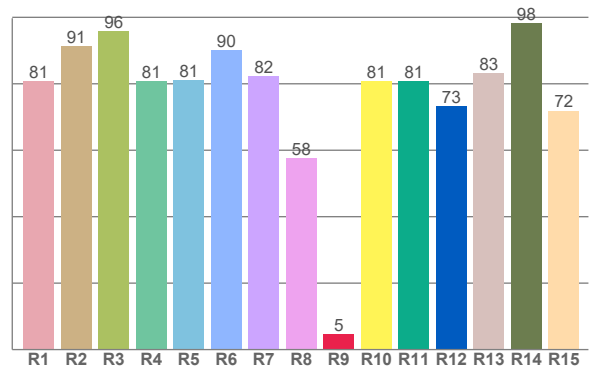




TM30: 85.5



CRI: 82.5 (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
80.7	91.3	95.9	80.7	81.2	90.1	82.3	57.7	4.6	80.8	80.7	73.2	83.3	98.3	71.9

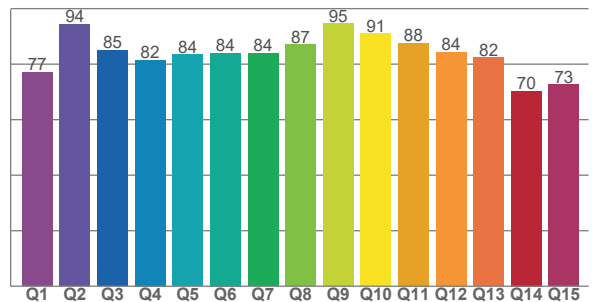
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
79.3	81.4	79.9	90.8	94.3	94.3	87.7	93.1	88.6	84.1	83.5	86.3	87.5	79.7	83.7	75.6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77.1	94.3	85.0	81.5	83.5	84.0	83.9	87.1	94.7	91.1	87.6	84.4	82.4	70.3	72.6

CQS: 82.5



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
2961 K	82.5	4.6	85.5	94.7	82.5	0.442	0.408	0.252	0.349	0.0011

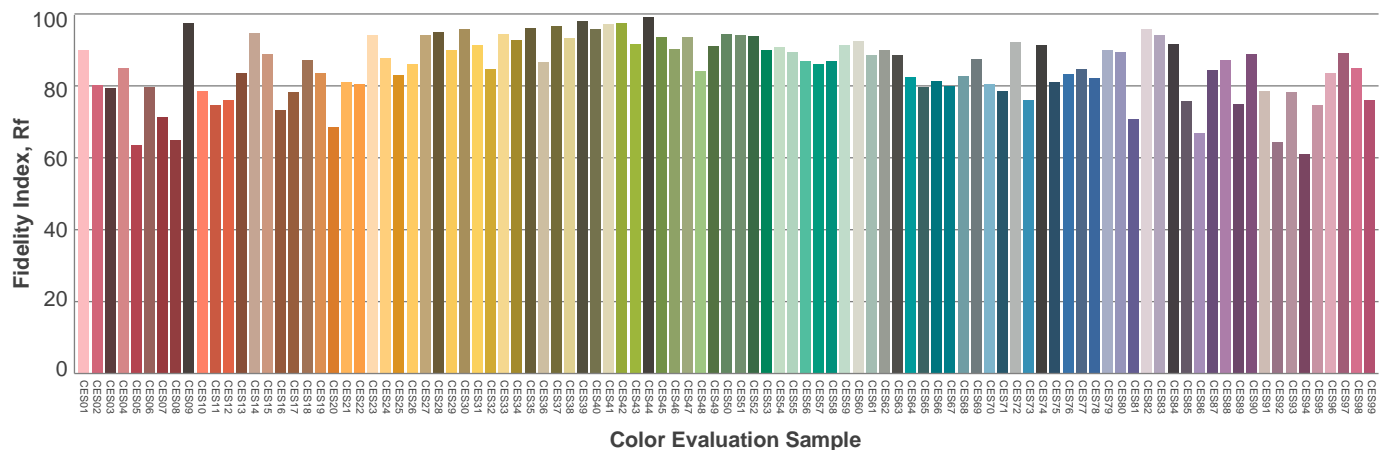
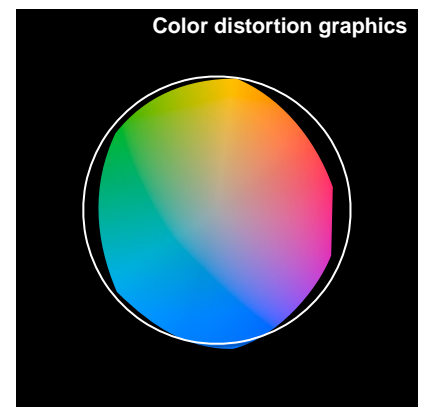
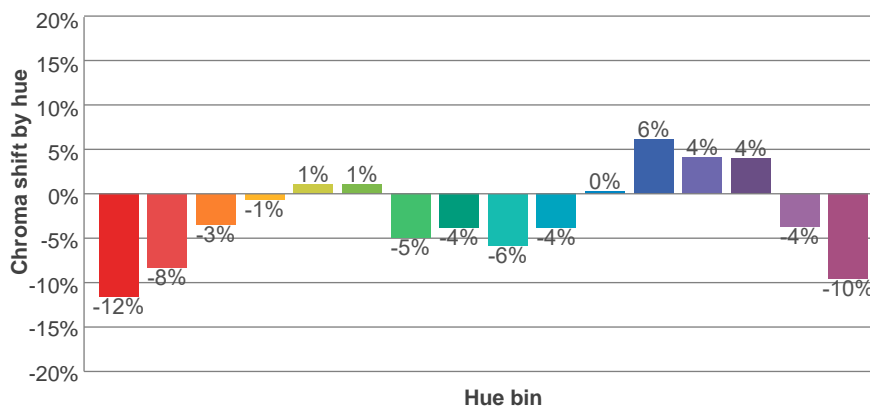
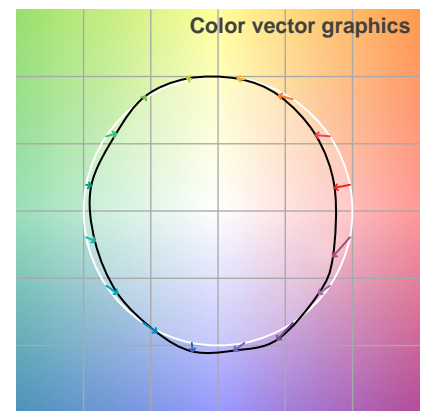
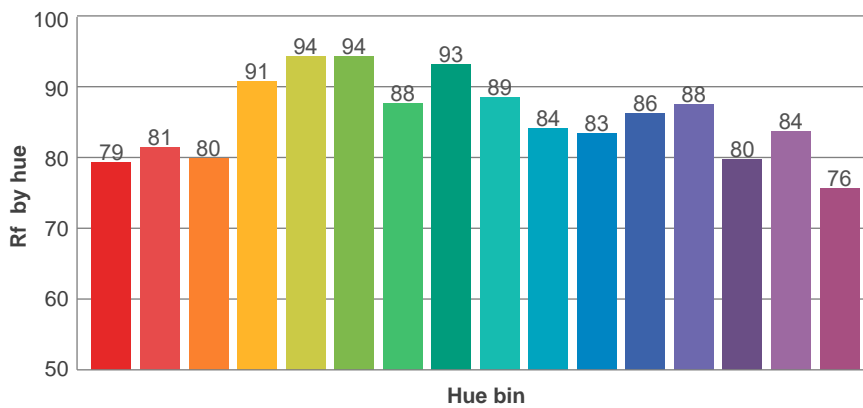
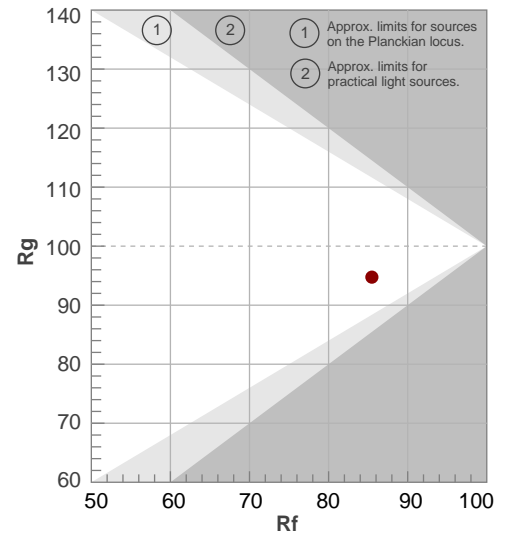
Rf 85.5

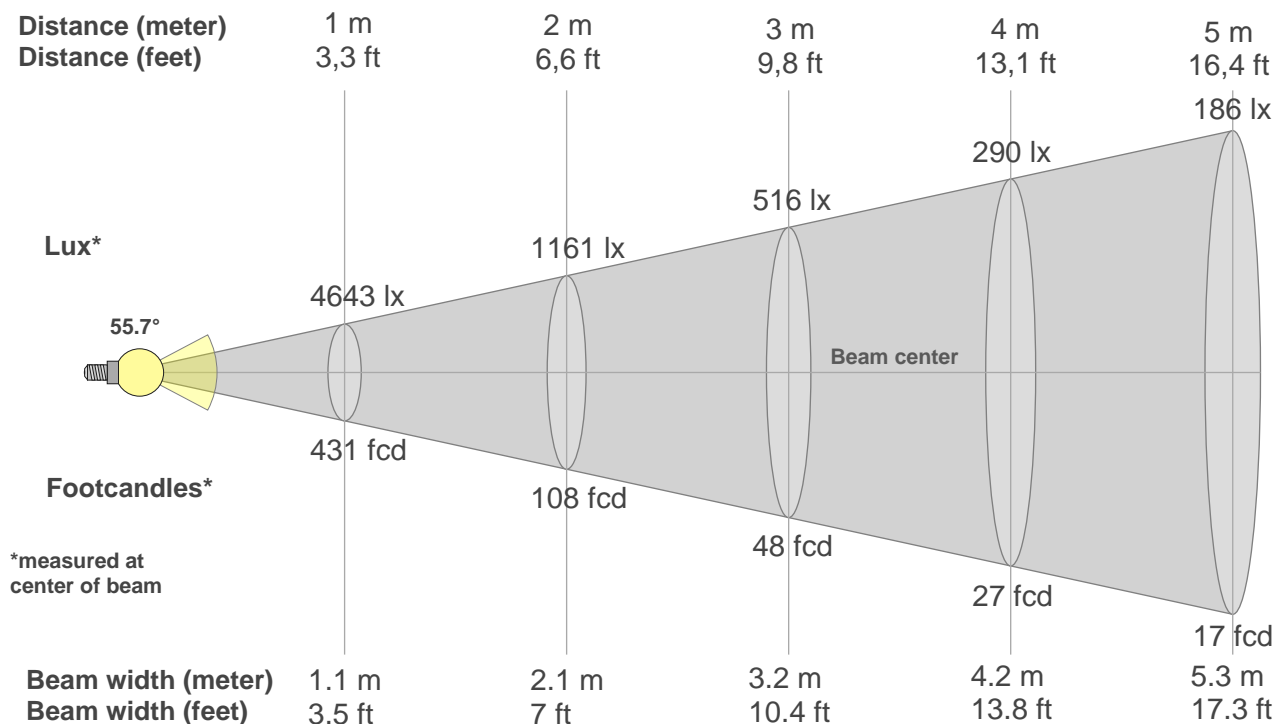
Fidelity index Rf

Rg 94.7

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	79	-12%	0%
2	81	-8%	7%
3	80	-3%	10%
4	91	-1%	5%
5	94	1%	3%
6	94	1%	-2%
7	88	-5%	-6%
8	93	-4%	0%
9	89	-6%	4%
10	84	-4%	9%
11	83	0%	12%
12	86	6%	2%
13	88	4%	-8%
14	80	4%	-16%
15	84	-4%	-9%
16	76	-10%	-17%





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
4643lx	1161lx	516lx	290lx	186lx	129lx	95lx	73lx	57lx	46lx	38lx	32lx	27lx	24lx	21lx	18lx	16lx	14lx	13lx	12lx
431.4fcd	107.8fcd	47.9fcd	27fcd	17.3fcd	12fcd	8.8fcd	6.7fcd	5.3fcd	4.3fcd	3.6fcd	3fcd	2.6fcd	2.2fcd	1.9fcd	1.7fcd	1.5fcd	1.3fcd	1.2fcd	1.1fcd

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°
4643	4643	4638	4622	4570	4477	4346	4175	3968	3727	3458	3175	2884	2585	2265	1905	1438	969	595	345
100%	100%	100%	100%	98%	96%	94%	90%	85%	80%	74%	68%	62%	56%	49%	41%	31%	21%	13%	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°
4643	4644	4640	4617	4563	4472	4340	4170	3953	3705	3435	3152	2860	2565	2242	1846	1391	939	562	314
100%	100%	100%	99%	98%	96%	93%	90%	85%	80%	74%	68%	62%	55%	48%	40%	30%	20%	12%	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°
4643	4643	4638	4622	4570	4477	4346	4175	3968	3727	3458	3175	2884	2585	2265	1905	1438	969	595	345
100%	100%	100%	100%	98%	96%	94%	90%	85%	80%	74%	68%	62%	56%	49%	41%	31%	21%	13%	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°
4643	4644	4640	4617	4563	4472	4340	4170	3953	3705	3435	3152	2860	2565	2242	1846	1391	939	562	314
100%	100%	100%	99%	98%	96%	93%	90%	85%	80%	74%	68%	62%	55%	48%	40%	30%	20%	12%	7%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
55.7°	77.5°	93.4°	98.0%	94.9%