

Light efficiency:

64 Lumen/Watt

Light quality:

CRI: 82.5

Color temperature:

2982 K

Output: 2333 lm

Peak: 6319 cd

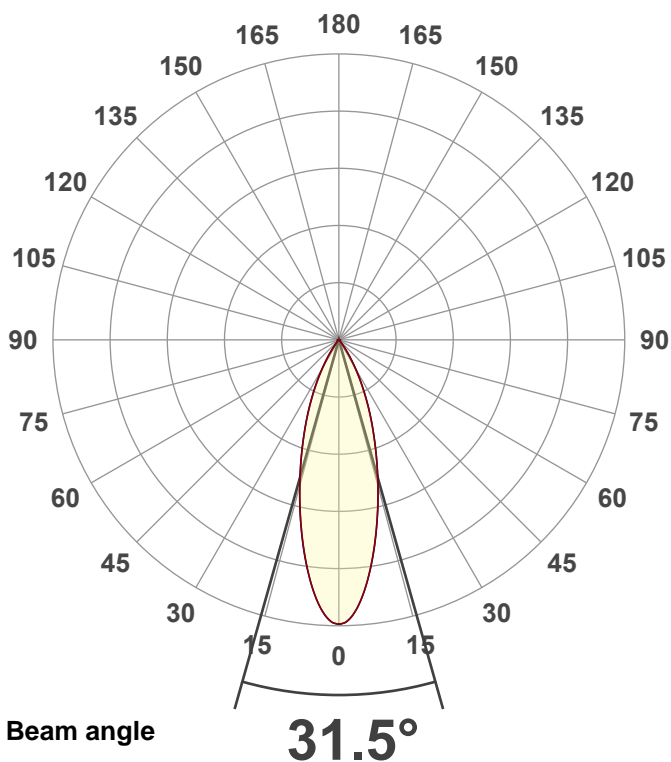
Power: 36.3 W

PF: 0.98



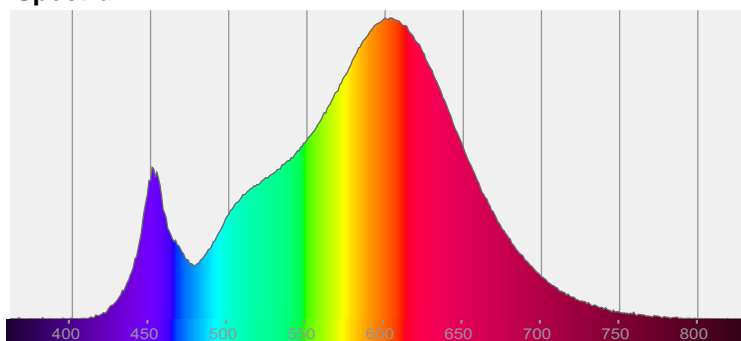
NU4-SD-SW-40LM-30K-80-35D-HCL-NL-WH-WH

Date and time:
12/6/2024 9:20:28 AM

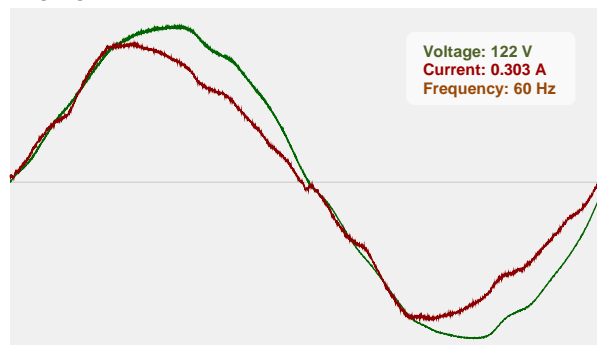


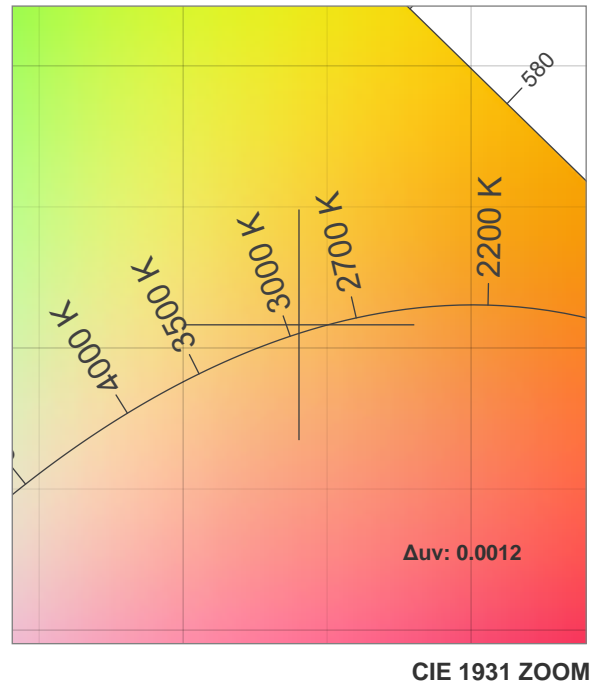
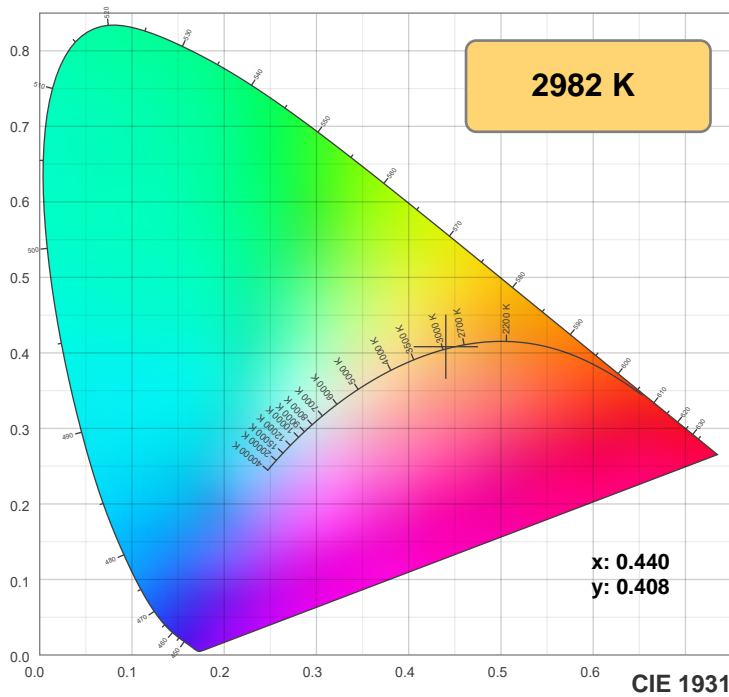
CIE 1931
x: 0.440
y: 0.408

Spectra

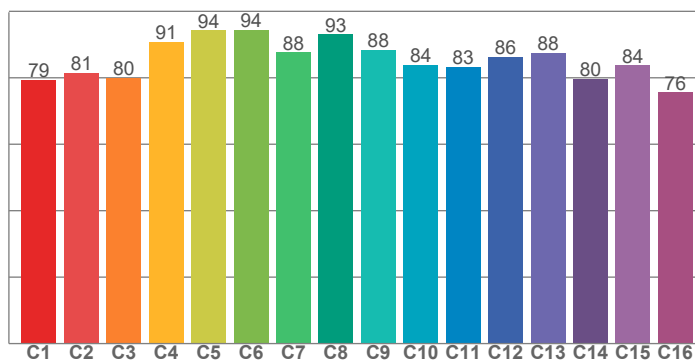


Power

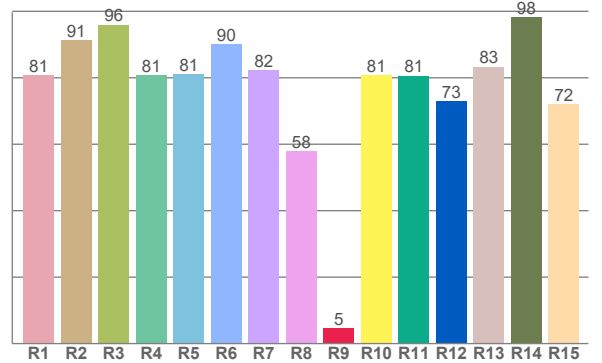




TM30: 85.5



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	80.8	81.2	90.1	82.4	57.9	4.7	80.8	80.7	72.9	83.3	98.3	71.9

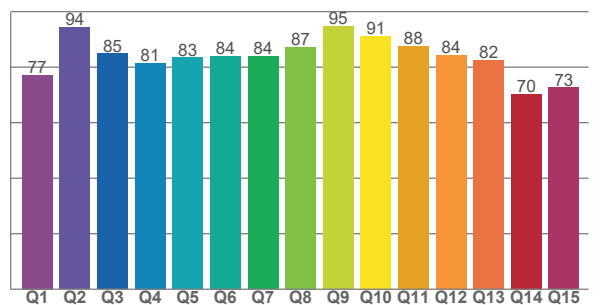
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
79.4	81.5	80.1	90.8	94.3	94.4	87.7	93.0	88.4	83.9	83.4	86.3	87.6	79.7	83.7	75.6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77.2	94.4	84.9	81.5	83.5	83.9	83.9	87.2	94.7	91.1	87.7	84.4	82.5	70.3	72.7

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
2982 K	82.5	4.7	85.5	94.7	82.5	0.440	0.408	0.251	0.349	0.0012

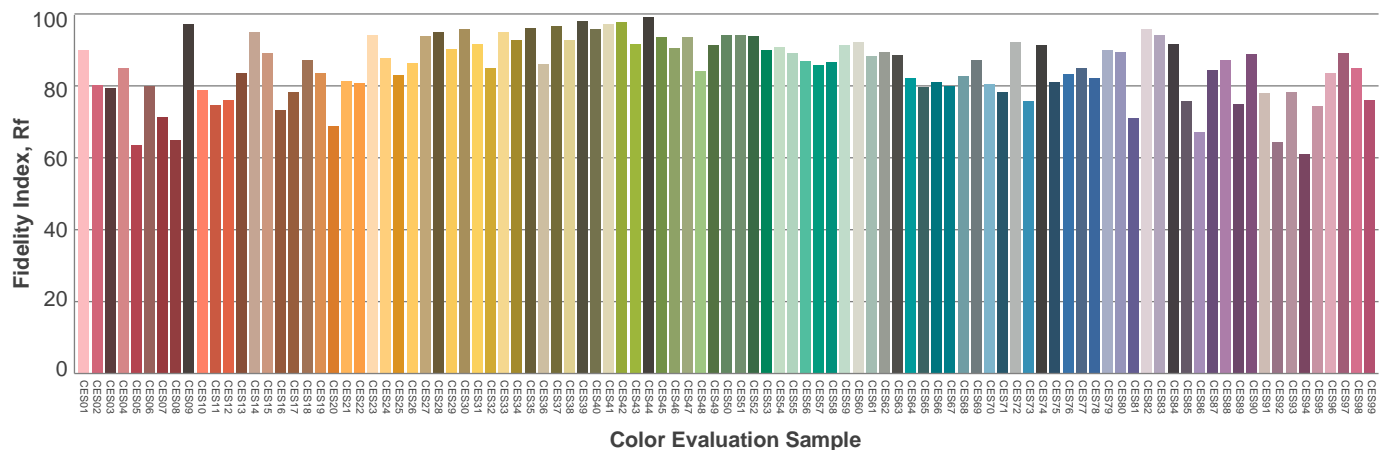
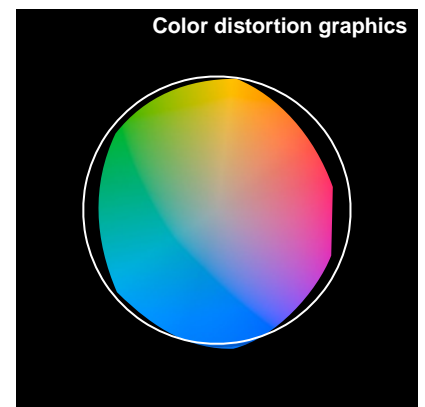
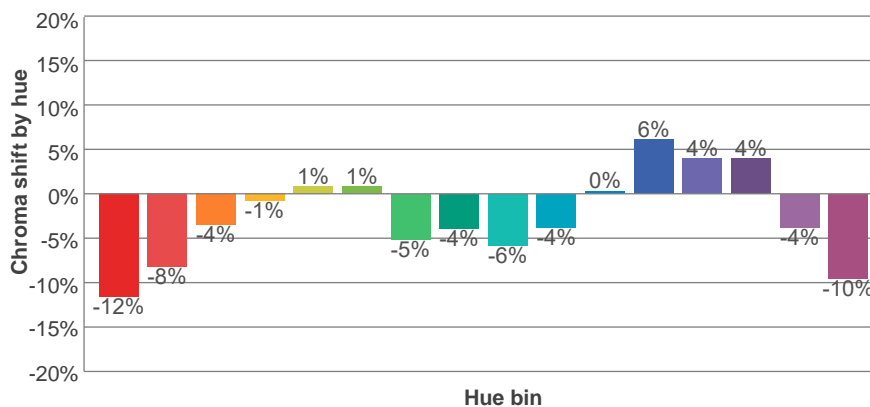
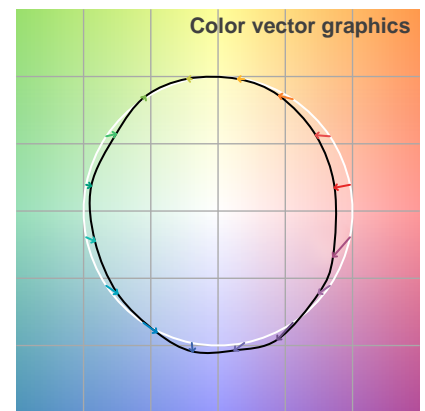
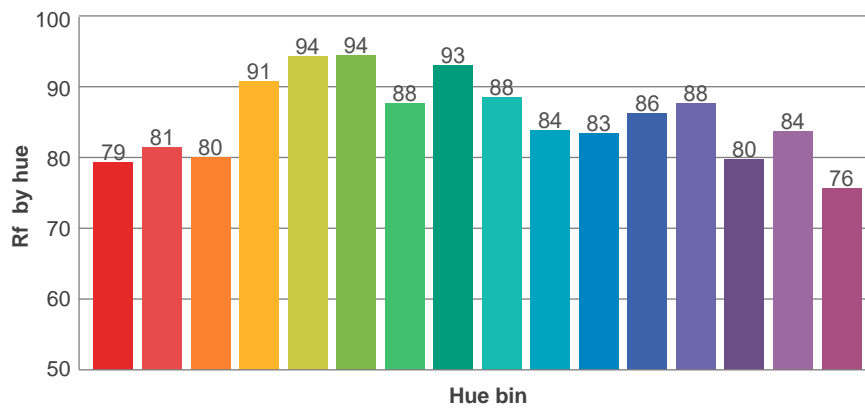
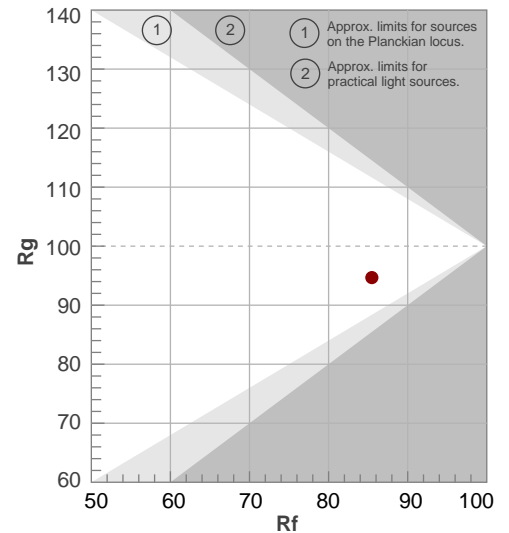
Rf 85.5

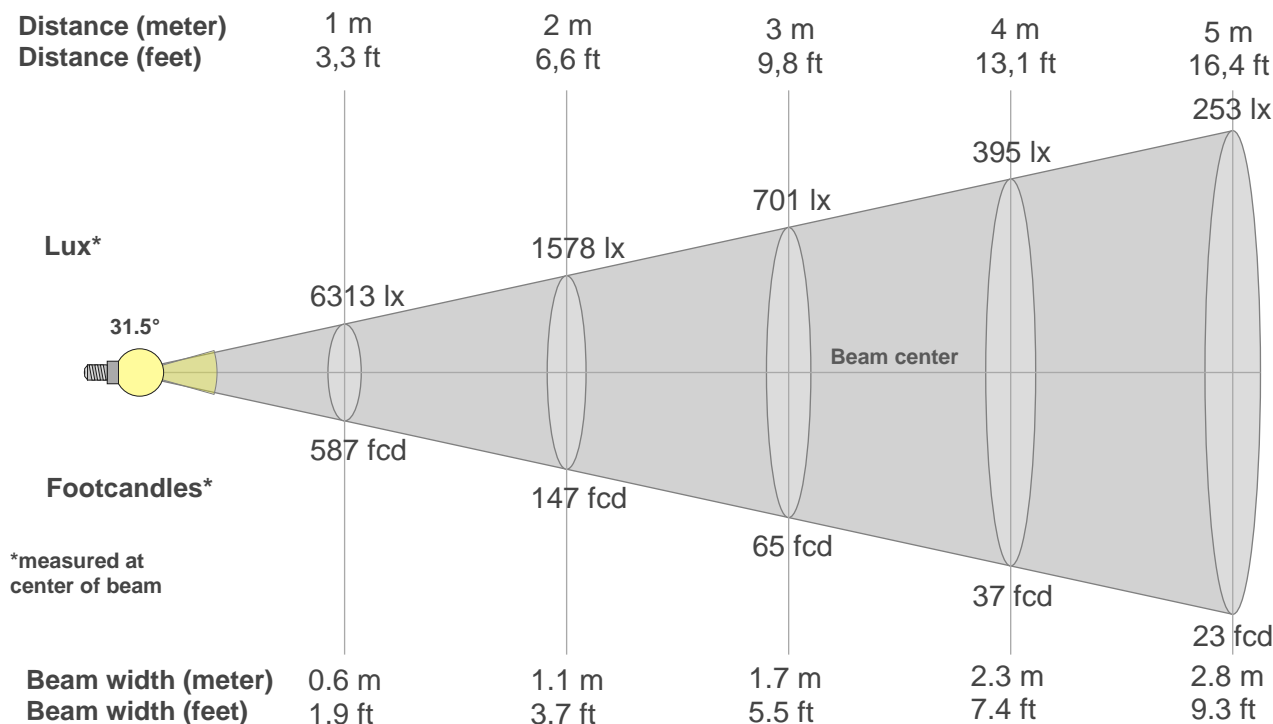
Fidelity index Rf

Rg 94.7

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	79	-12%	0%
2	81	-8%	7%
3	80	-4%	10%
4	91	-1%	5%
5	94	1%	3%
6	94	1%	-2%
7	88	-5%	-5%
8	93	-4%	0%
9	88	-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
6313lx	1578lx	701lx	395lx	253lx	175lx	129lx	99lx	78lx	63lx	52lx	44lx	37lx	32lx	28lx	25lx	22lx	19lx	17lx	16lx
586.5fcd	146.6fcd	65.2fcd	36.7fcd	23.5fcd	16.3fcd	12fcd	9.2fcd	7.2fcd	5.9fcd	4.8fcd	4.1fcd	3.5fcd	3fcd	2.6fcd	2.3fcd	2fcd	1.8fcd	1.6fcd	1.5fcd

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°
6313	6220	5950	5557	5086	4587	4083	3587	3121	2680	2274	1906	1565	1252	977	727	518	343	202	117
100%	99%	94%	88%	81%	73%	65%	57%	49%	42%	36%	30%	25%	20%	15%	12%	8%	5%	3%	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°
6313	6214	5947	5555	5094	4599	4091	3596	3123	2687	2284	1921	1585	1278	999	750	531	346	205	123
100%	98%	94%	88%	81%	73%	65%	57%	49%	43%	36%	30%	25%	20%	16%	12%	8%	5%	3%	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°
6313	6220	5950	5557	5086	4587	4083	3587	3121	2680	2274	1906	1565	1252	977	727	518	343	202	117
100%	99%	94%	88%	81%	73%	65%	57%	49%	42%	36%	30%	25%	20%	15%	12%	8%	5%	3%	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°
6313	6214	5947	5555	5094	4599	4091	3596	3123	2687	2284	1921	1585	1278	999	750	531	346	205	123
100%	98%	94%	88%	81%	73%	65%	57%	49%	43%	36%	30%	25%	20%	16%	12%	8%	5%	3%	2%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
31.5°	62.1°	75.9°	99.5%	98.8%