

Light efficiency:

95 Lumen/Watt

Light quality:

CRI: 82.4

Color temperature:

2959 K

Output: 3466 lm

Peak: 6928 cd

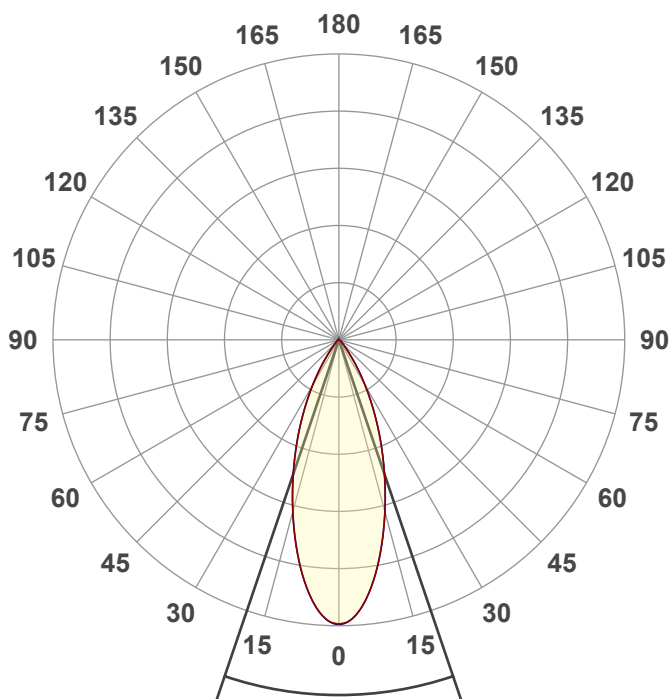
Power: 36.4 W

PF: 0.98



NU4-SD-SW-40LM-30K-80-35D-NA-SBL-WH-WH

Date and time:
12/6/2024 8:34:49 AM



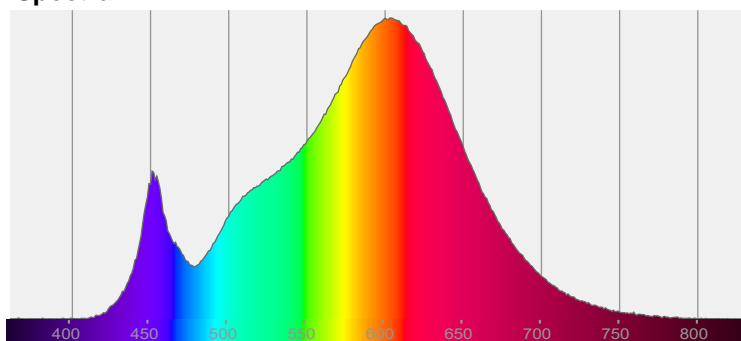
Beam angle

37.5°

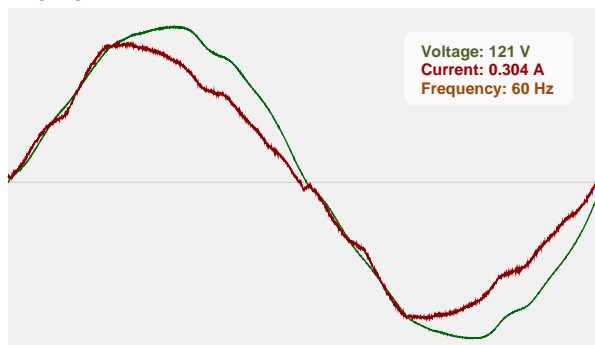


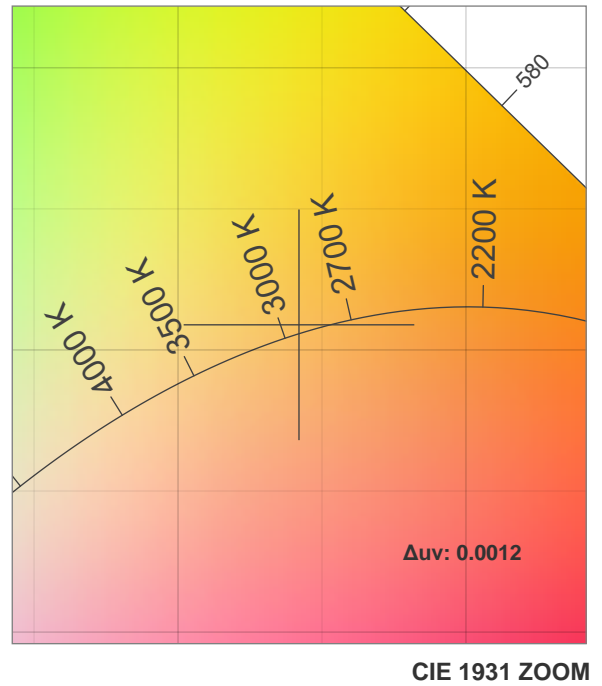
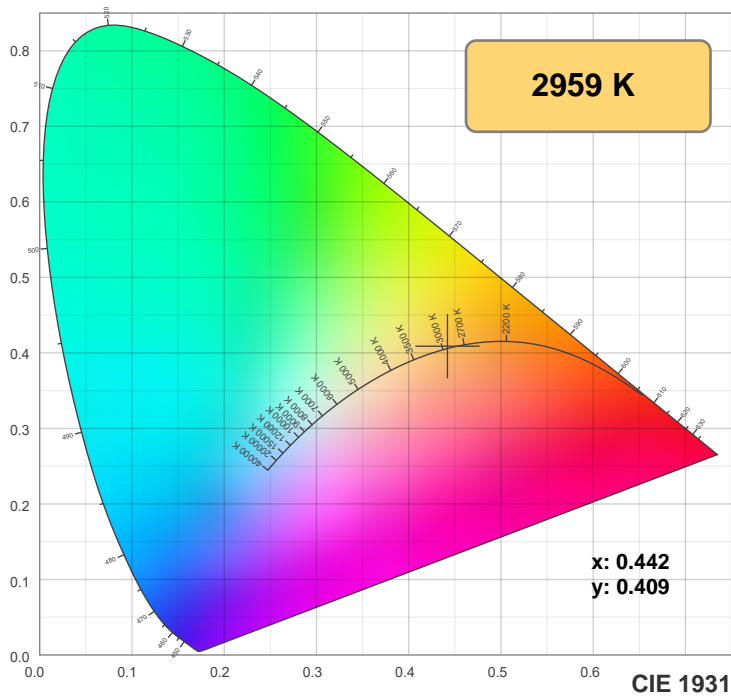
CIE 1931
x: 0.442
y: 0.409

Spectra

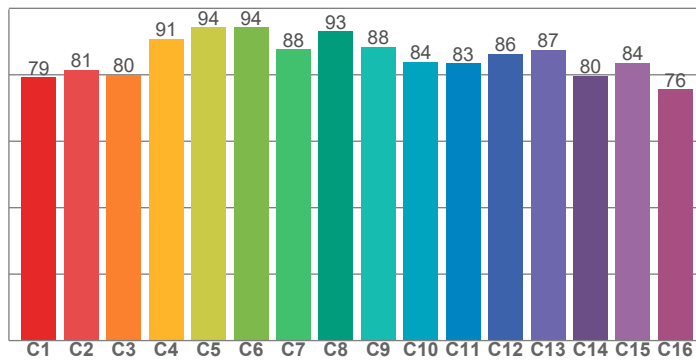


Power

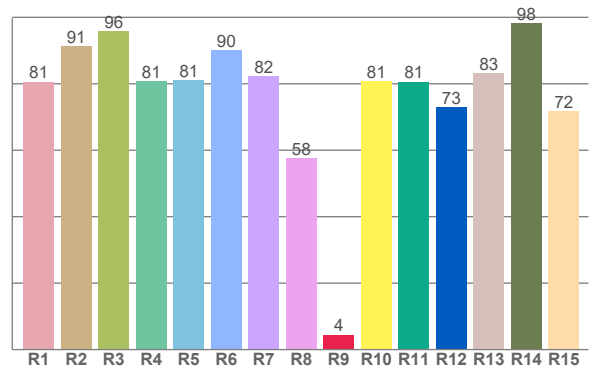




TM30: 85.4



CRI: 82.4 (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
80.6	91.2	95.9	80.7	81.1	90.0	82.3	57.7	4.4	80.7	80.6	72.9	83.2	98.3	71.8

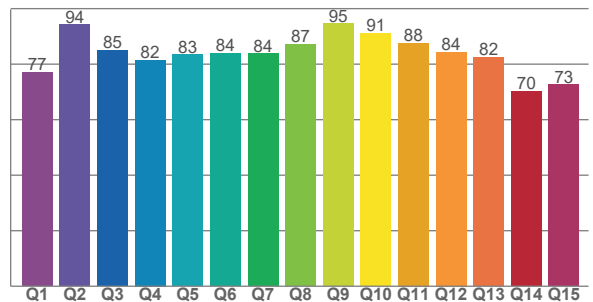
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
79.3	81.4	80.0	90.8	94.3	94.3	87.6	93.0	88.5	83.9	83.4	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	83.9	83.9	87.1	94.7	91.1	87.7	84.4	82.4	70.2	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
2959 K	82.4	4.4	85.4	94.7	82.5	0.442	0.409	0.252	0.349	0.0012

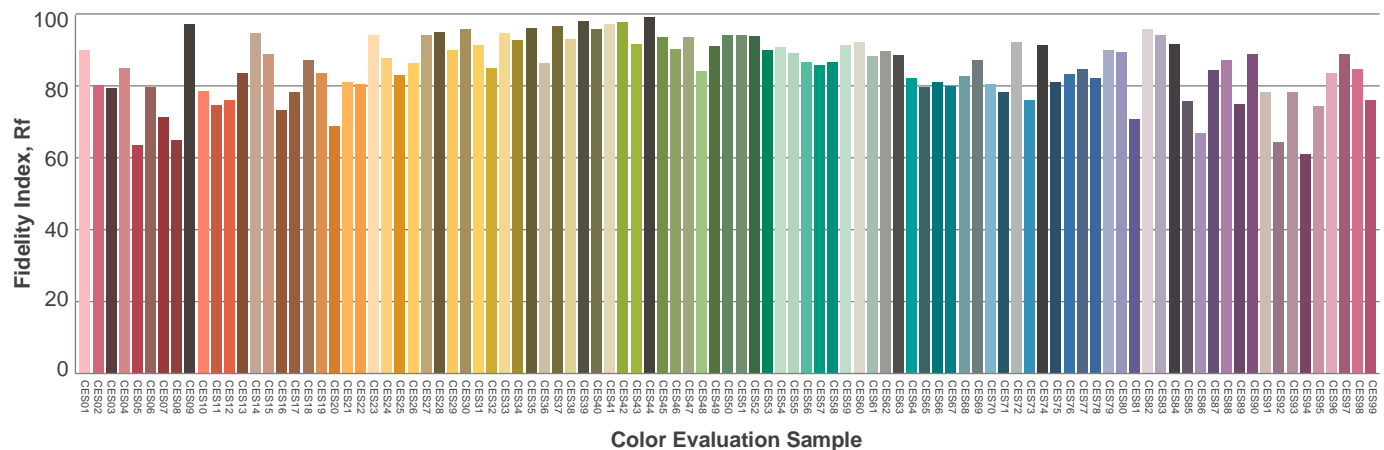
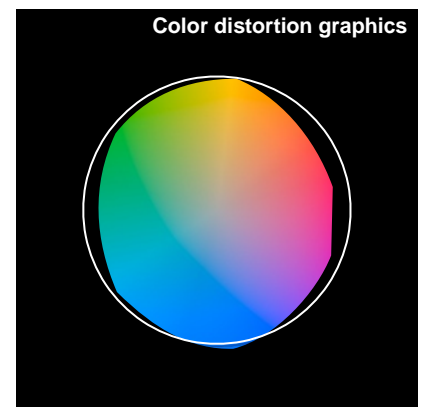
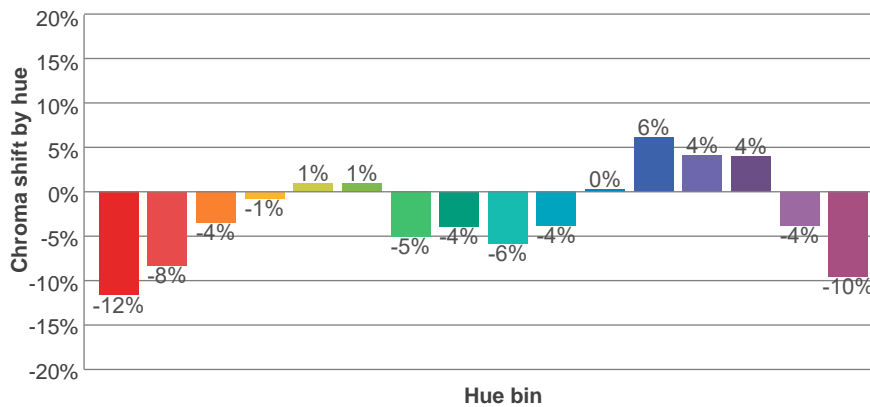
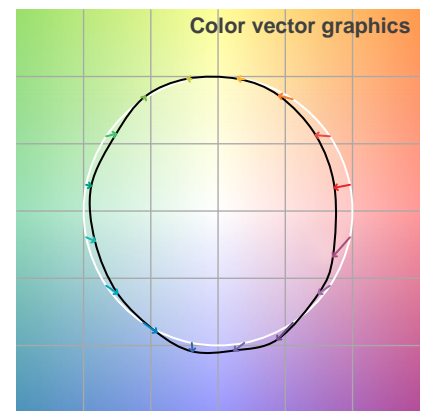
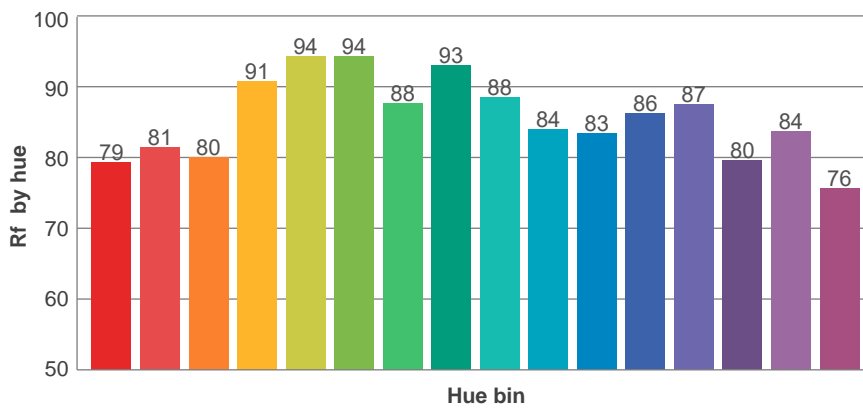
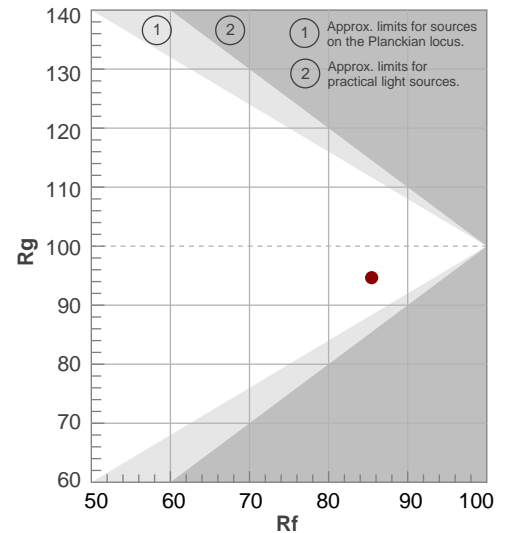
Rf 85.4

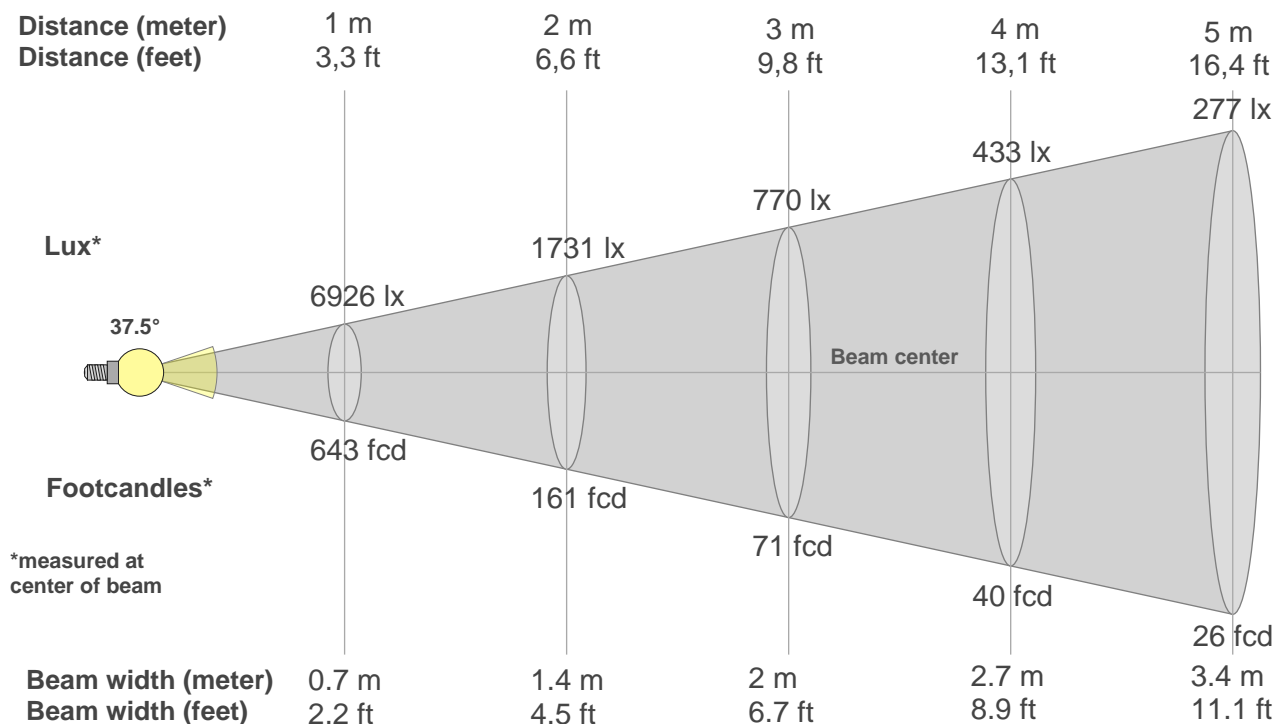
Fidelity index Rf

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%	-6%
8	93	-4%	0%
9	88	-6%	4%
10	84	-4%	9%
11	83	0%	12%
12	86	6%	2%
13	87	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
6926lx	1731lx	770lx	433lx	277lx	192lx	141lx	108lx	86lx	69lx	57lx	48lx	41lx	35lx	31lx	27lx	24lx	21lx	19lx	17lx
643.4fcd	160.9fcd	71.5fcd	40.2fcd	25.7fcd	17.9fcd	13.1fcd	10.1fcd	7.9fcd	6.4fcd	5.3fcd	4.5fcd	3.8fcd	3.3fcd	2.9fcd	2.5fcd	2.2fcd	2fcd	1.8fcd	1.6fcd

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°
6926	6856	6655	6354	5965	5528	5062	4581	4102	3634	3183	2750	2343	1957	1602	1283	993	744	536	374
100%	99%	96%	92%	86%	80%	73%	66%	59%	52%	46%	40%	34%	28%	23%	19%	14%	11%	8%	5%

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°
6926	6864	6661	6348	5963	5523	5051	4569	4092	3622	3176	2750	2341	1957	1602	1281	989	732	523	364
100%	99%	96%	92%	86%	80%	73%	66%	59%	52%	46%	40%	34%	28%	23%	18%	14%	11%	8%	5%

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°
6926	6856	6655	6354	5965	5528	5062	4581	4102	3634	3183	2750	2343	1957	1602	1283	993	744	536	374
100%	99%	96%	92%	86%	80%	73%	66%	59%	52%	46%	40%	34%	28%	23%	19%	14%	11%	8%	5%

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°
6926	6864	6661	6348	5963	5523	5051	4569	4092	3622	3176	2750	2341	1957	1602	1281	989	732	523	364
100%	99%	96%	92%	86%	80%	73%	66%	59%	52%	46%	40%	34%	28%	23%	18%	14%	11%	8%	5%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
37.5°	69.9°	88.8°	98.5%	95.2%