

Light efficiency:

102 Lumen/Watt

Light quality:

CRI: 82.4

Color temperature:

2959 K

Output: 3727 lm

Peak: 4615 cd

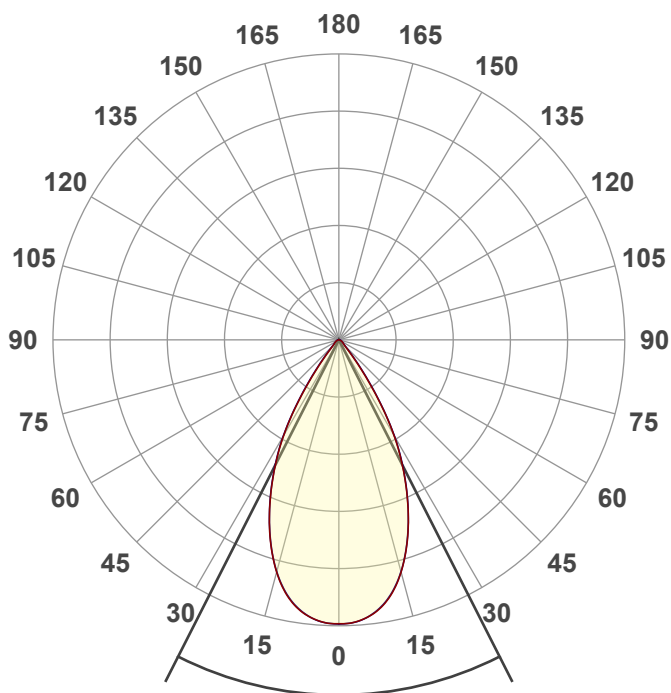
Power: 36.4 W

PF: 0.98



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

Date and time:
12/5/2024 2:08:58 PM



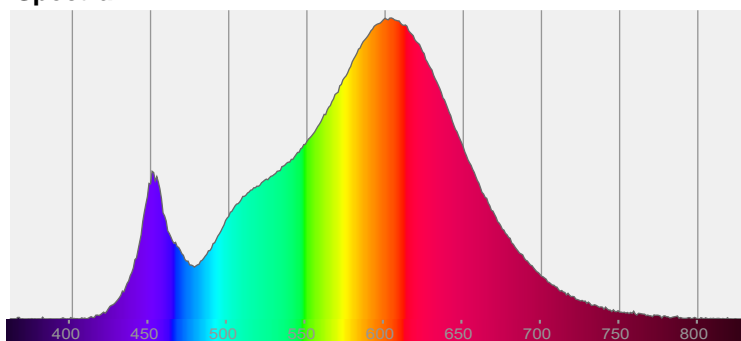
Beam angle

53.8°

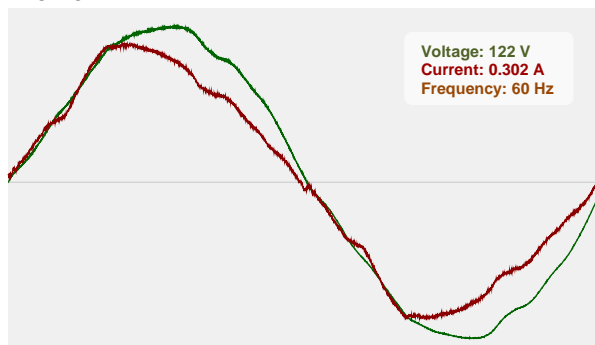


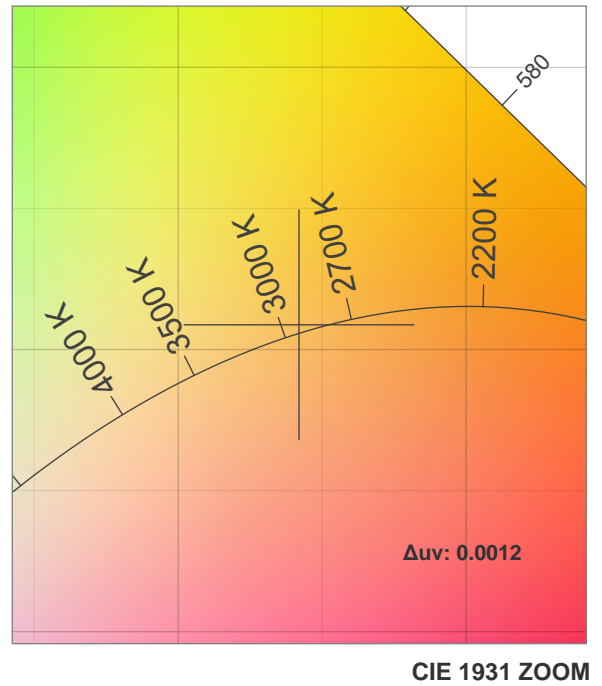
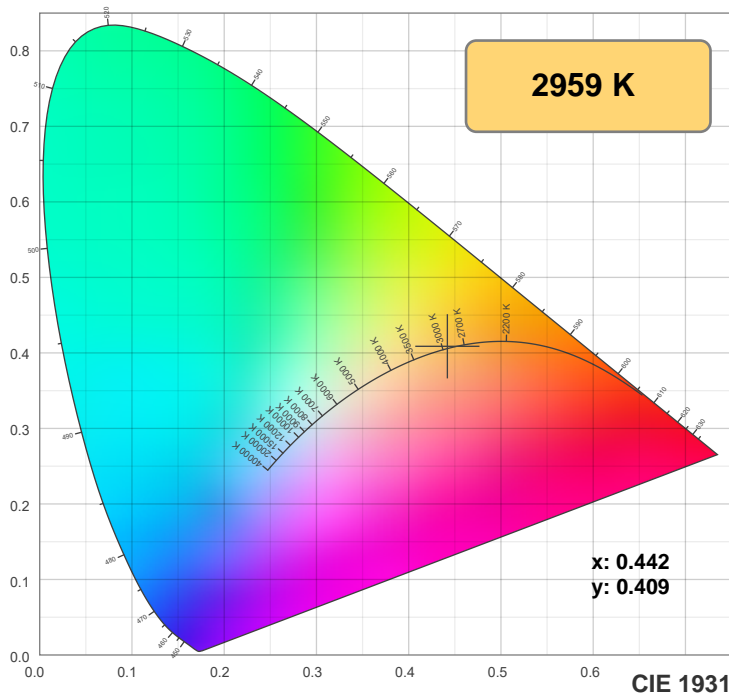
CIE 1931
x: 0.442
y: 0.409

Spectra

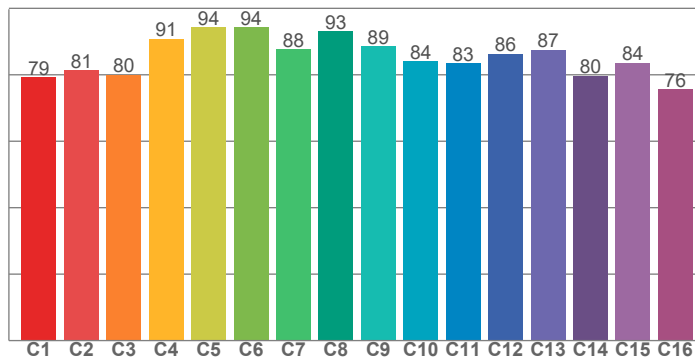


Power

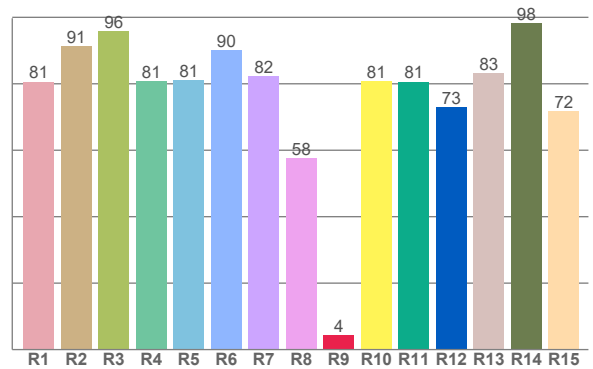




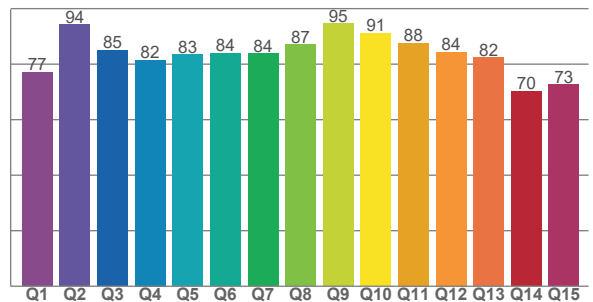
TM30: 85.4



CRI: 82.4 (R1-R8)



CQS: 82.5



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	90.1	82.3	57.6	4.4	80.7	80.6	73.0	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	79.9	90.8	94.3	94.3	87.6	93.1	88.5	84.0	83.4	86.3	87.5	79.7	83.6	75.6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77.0	94.3	85.0	81.5	83.5	83.9	83.8	87.1	94.7	91.1	87.7	84.4	82.4	70.2	72.6

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

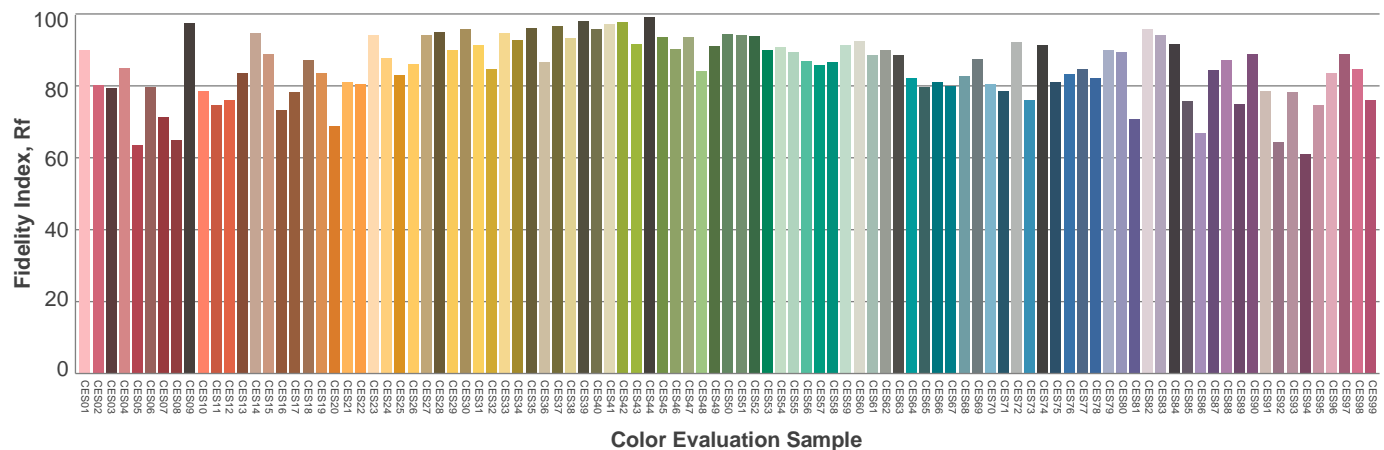
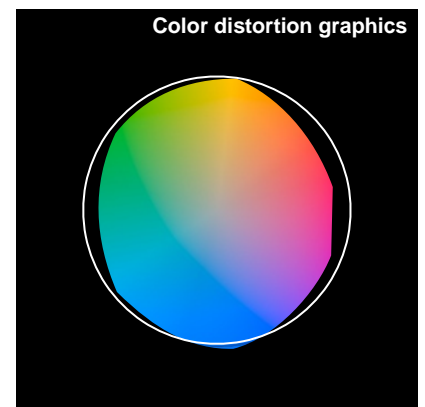
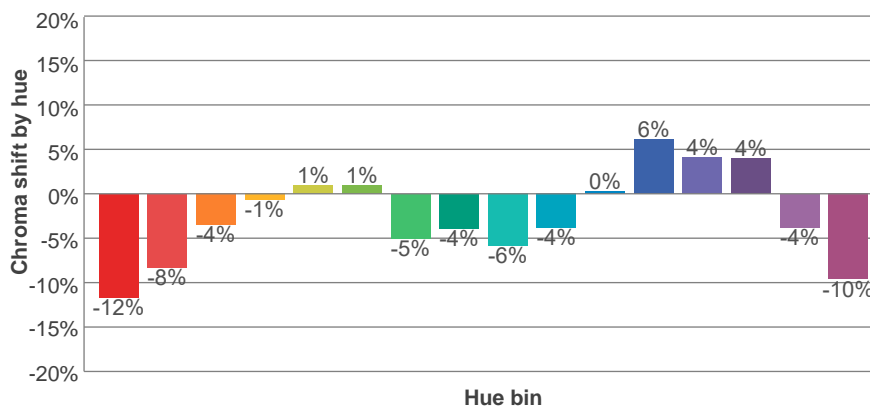
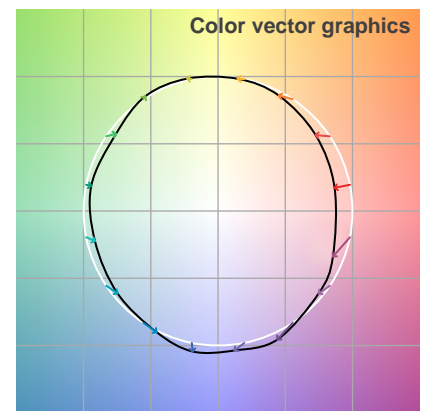
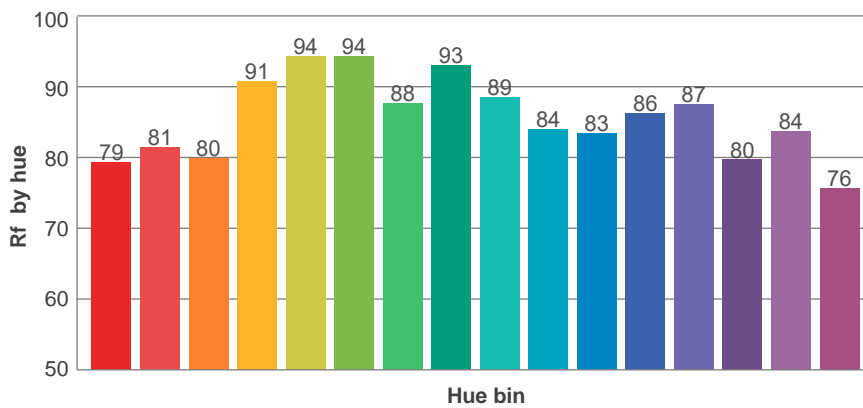
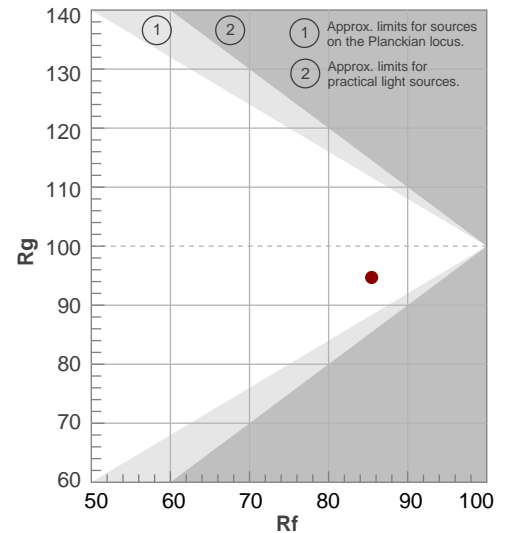
Rf 85.4

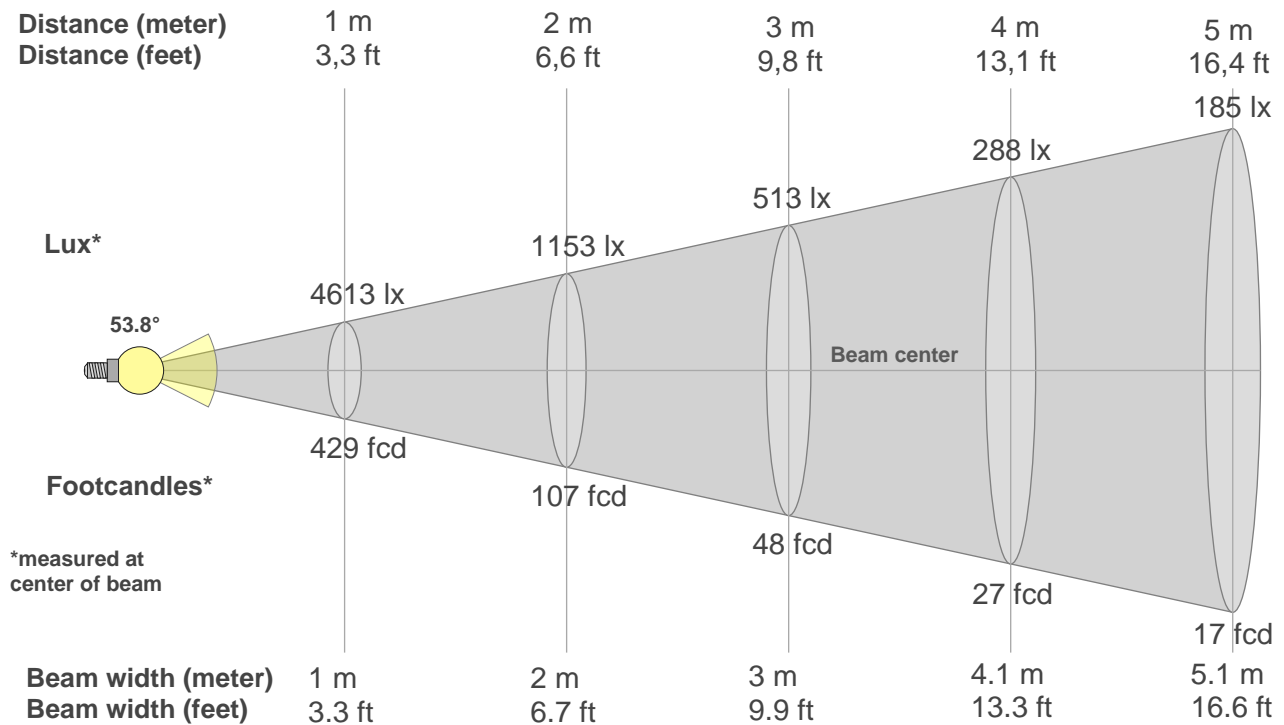
Fidelity index Rf

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	89	-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
4613lx	1153lx	513lx	288lx	185lx	128lx	94lx	72lx	57lx	46lx	38lx	32lx	27lx	24lx	21lx	18lx	16lx	14lx	13lx	12lx
428.6fcd	107.1fcd	47.6fcd	26.8fcd	17.1fcd	11.9fcd	8.7fcd	6.7fcd	5.3fcd	4.3fcd	3.5fcd	3fcd	2.5fcd	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°
4613	4603	4574	4521	4443	4333	4187	4004	3789	3548	3286	3004	2711	2412	2108	1788	1435	1079	760	508
100%	100%	99%	98%	96%	94%	91%	87%	82%	77%	71%	65%	59%	52%	46%	39%	31%	23%	16%	11%

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°
4613	4604	4577	4520	4437	4325	4179	3998	3785	3543	3281	3004	2717	2421	2121	1802	1454	1105	794	546
100%	100%	99%	98%	96%	94%	91%	87%	82%	77%	71%	65%	59%	52%	46%	39%	32%	24%	17%	12%

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°
4613	4603	4574	4521	4443	4333	4187	4004	3789	3548	3286	3004	2711	2412	2108	1788	1435	1079	760	508
100%	100%	99%	98%	96%	94%	91%	87%	82%	77%	71%	65%	59%	52%	46%	39%	31%	23%	16%	11%

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°
4613	4604	4577	4520	4437	4325	4179	3998	3785	3543	3281	3004	2717	2421	2121	1802	1454	1105	794	546
100%	100%	99%	98%	96%	94%	91%	87%	82%	77%	71%	65%	59%	52%	46%	39%	32%	24%	17%	12%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
53.8°	79.4°	97.1°	97.8%	94.0%