

Light efficiency:

71 Lumen/Watt

Light quality:

CRI: 82.6

Color temperature:

2983 K

Output: 2601 lm

Peak: 4229 cd

Power: 36.4 W

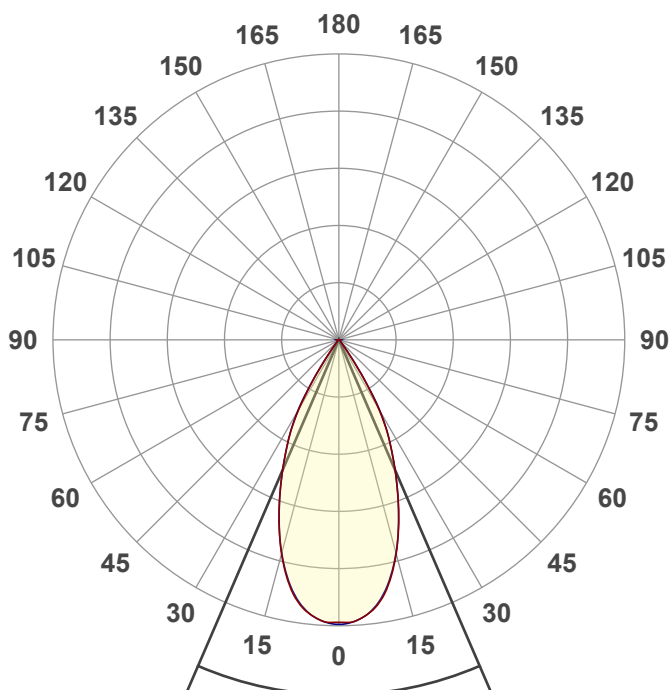
PF: 0.98



NU4-SD-SW-40LM-30K-80-55D-HCL-NL-WH-WH

Date and time:

12/6/2024 8:58:34 AM



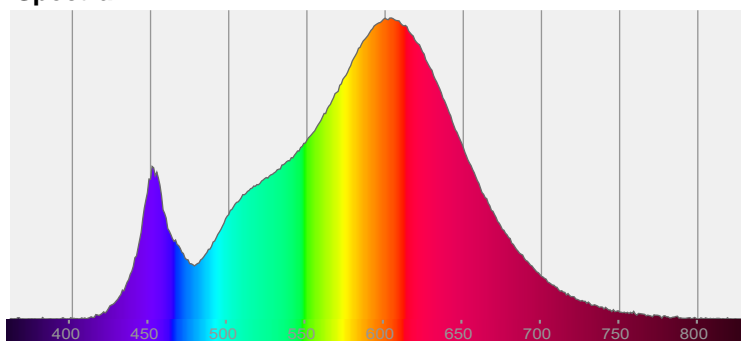
Beam angle

46.7°

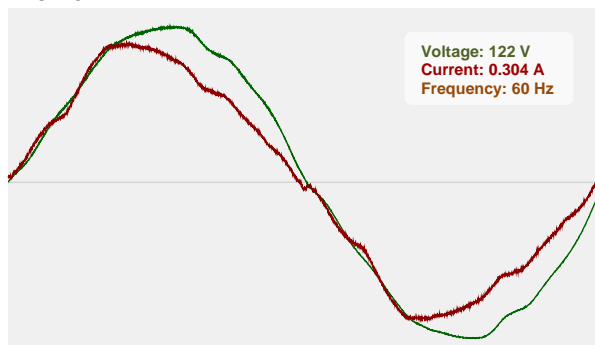


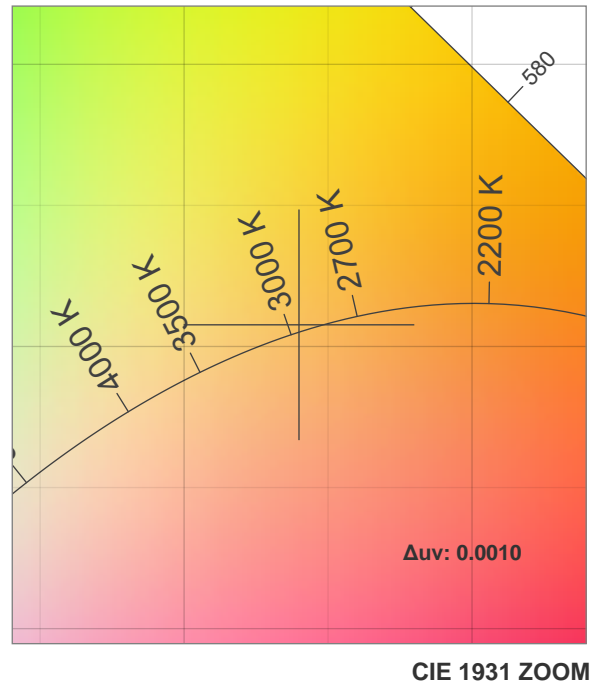
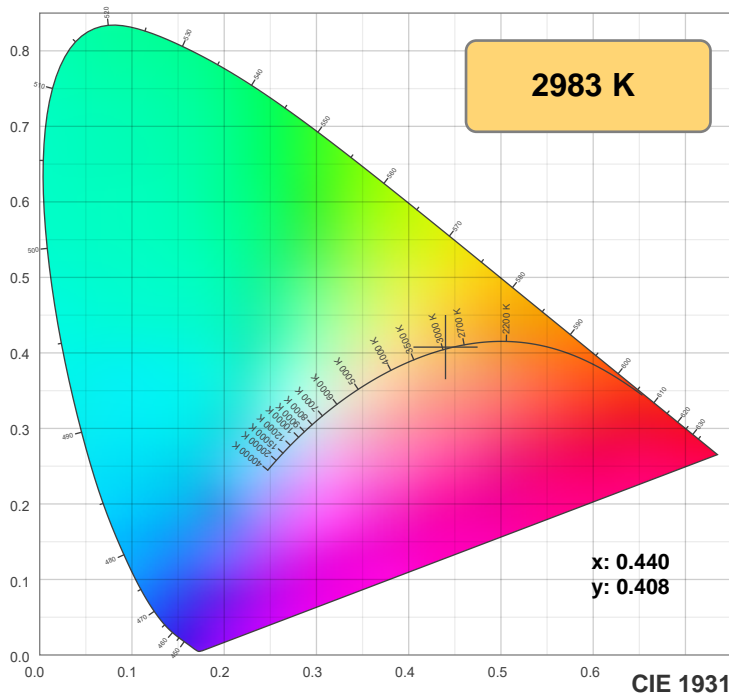
CIE 1931
x: 0.440
y: 0.408

Spectra

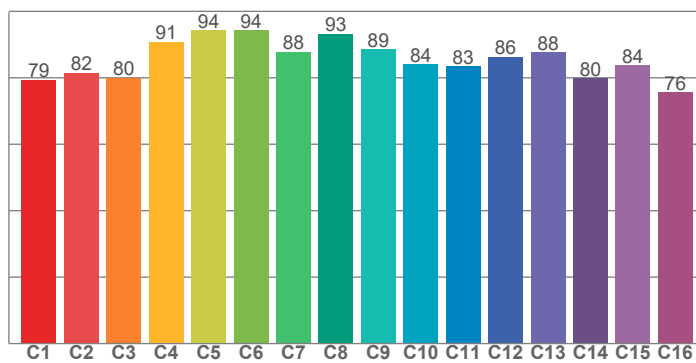


Power

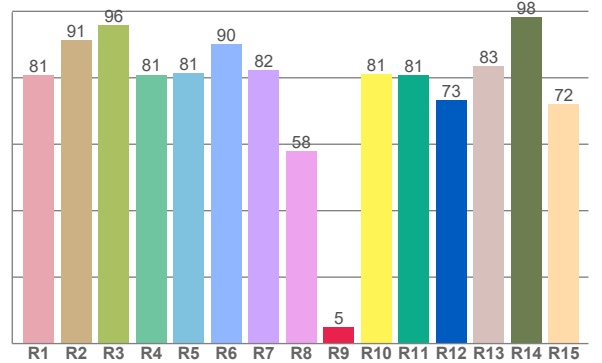




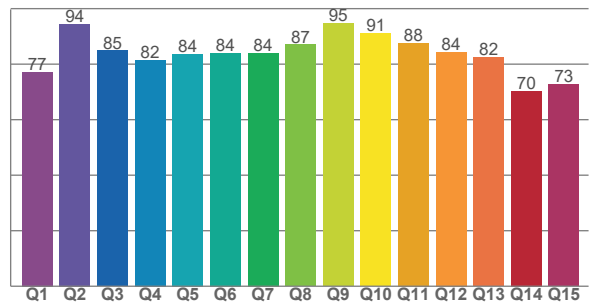
TM30: 85.5



CRI: 82.6 (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
80.9	91.4	95.9	80.9	81.3	90.2	82.3	57.9	4.9	81.0	80.8	73.2	83.4	98.3	72.1

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	80.0	90.8	94.3	94.3	87.7	93.2	88.6	84.1	83.4	86.3	87.6	79.8	83.8	75.7

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	83.6	84.1	84.0	87.1	94.7	91.1	87.6	84.4	82.5	70.4	72.7

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
2983 K	82.6	4.9	85.5	94.8	82.5	0.440	0.408	0.251	0.349	0.0010

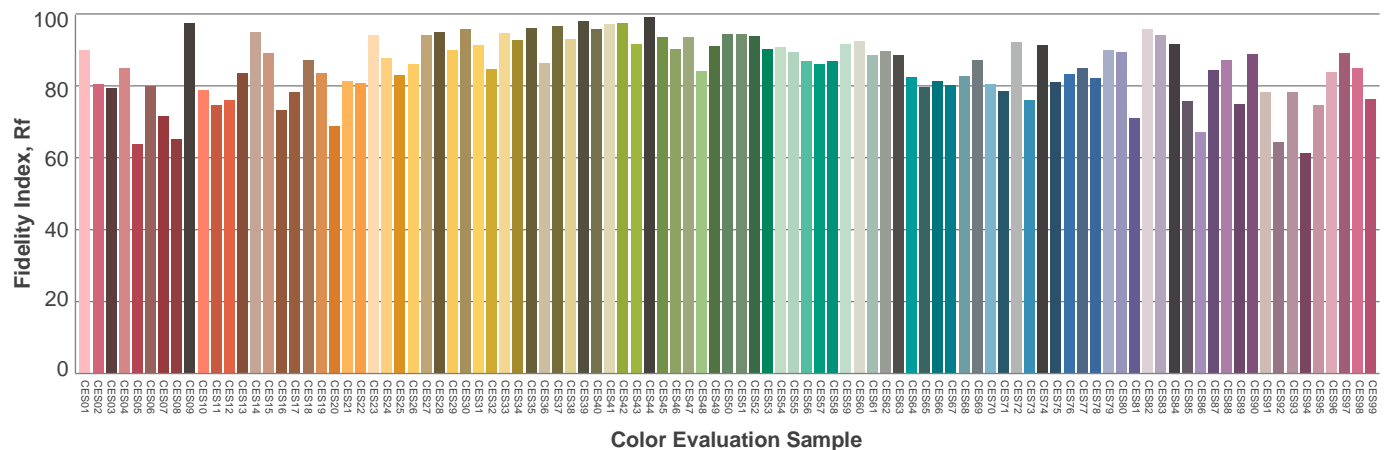
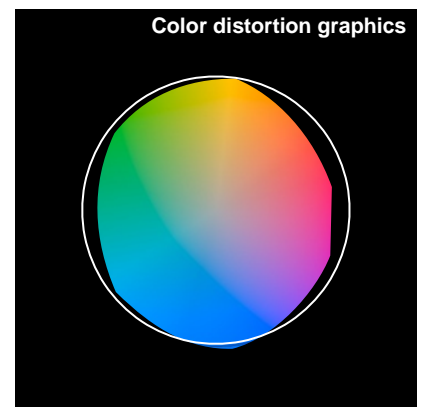
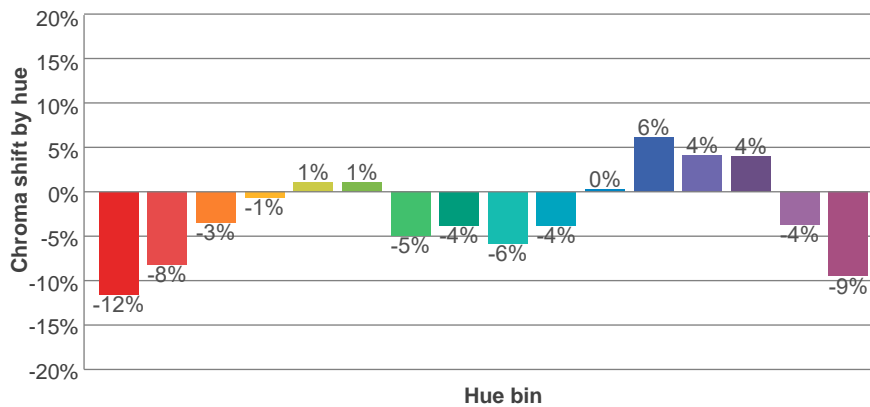
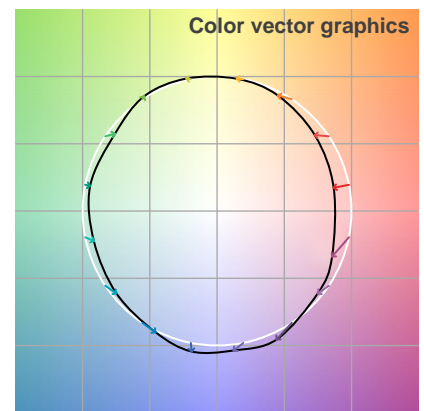
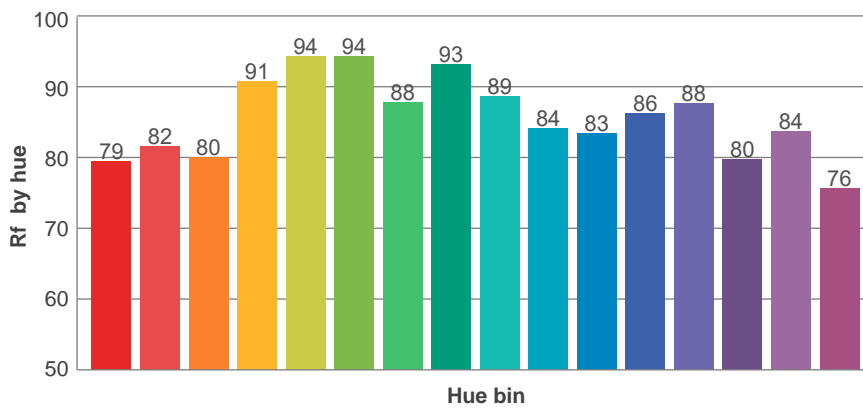
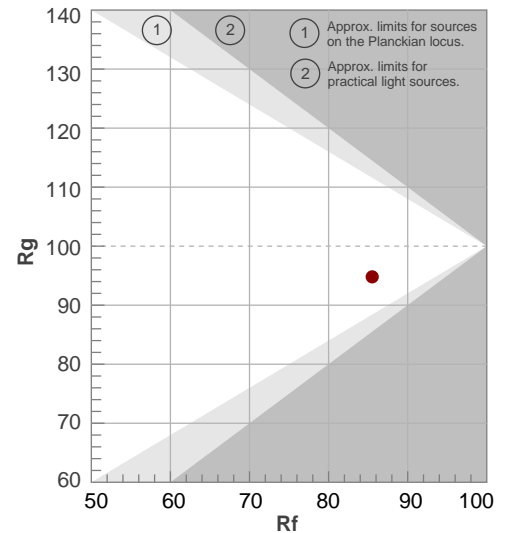
Rf 85.5

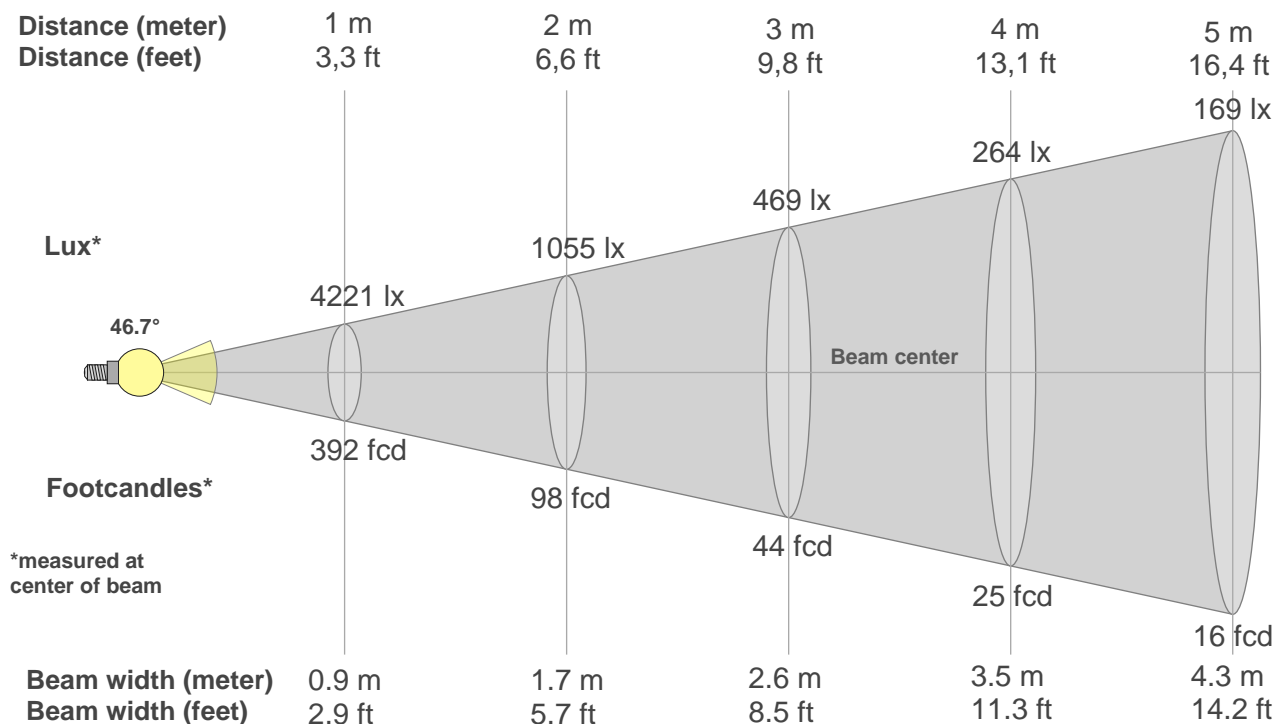
Fidelity index Rf

Rg 94.8

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	79	-12%	0%
2	82	-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	-9%	-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
4221lx	1055lx	469lx	264lx	169lx	117lx	86lx	66lx	52lx	42lx	35lx	29lx	25lx	22lx	19lx	16lx	15lx	13lx	12lx	11lx
392.1fcd	98fcd	43.6fcd	24.5fcd	15.7fcd	10.9fcd	8fcd	6.1fcd	4.8fcd	3.9fcd	3.2fcd	2.7fcd	2.3fcd	2fcd	1.7fcd	1.5fcd	1.4fcd	1.2fcd	1.1fcd	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°
4221	4203	4169	4100	4002	3856	3653	3418	3158	2879	2591	2303	2026	1763	1496	1188	826	494	254	119
100%	100%	99%	97%	95%	91%	87%	81%	75%	68%	61%	55%	48%	42%	35%	28%	20%	12%	6%	3%

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°
4221	4214	4172	4100	3984	3828	3634	3406	3154	2872	2584	2300	2022	1752	1504	1211	861	506	232	110
100%	100%	99%	97%	94%	91%	86%	81%	75%	68%	61%	54%	48%	42%	36%	29%	20%	12%	5%	3%

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°
4221	4203	4169	4100	4002	3856	3653	3418	3158	2879	2591	2303	2026	1763	1496	1188	826	494	254	119
100%	100%	99%	97%	95%	91%	87%	81%	75%	68%	61%	55%	48%	42%	35%	28%	20%	12%	6%	3%

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°
4221	4214	4172	4100	3984	3828	3634	3406	3154	2872	2584	2300	2022	1752	1504	1211	861	506	232	110
100%	100%	99%	97%	94%	91%	86%	81%	75%	68%	61%	54%	48%	42%	36%	29%	20%	12%	5%	3%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
46.7°	72.5°	80.1°	99.0%	97.8%