

Light efficiency:

97 Lumen/Watt

Light quality:

CRI: 82.4

Color temperature:

2960 K

Output: 3536 lm

Peak: 3595 cd

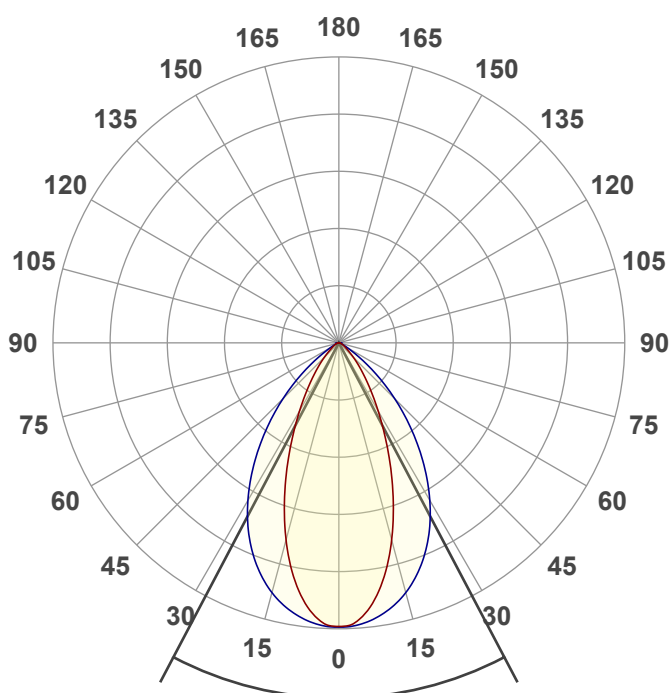
Power: 36.3 W

PF: 0.98



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

Date and time:
12/4/2024 10:13:45 AM



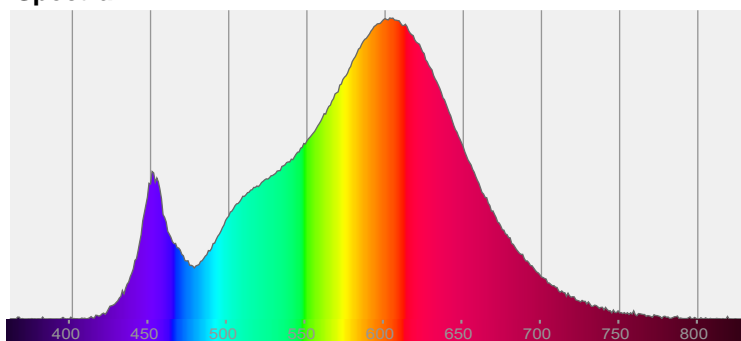
Beam angle

55.5°

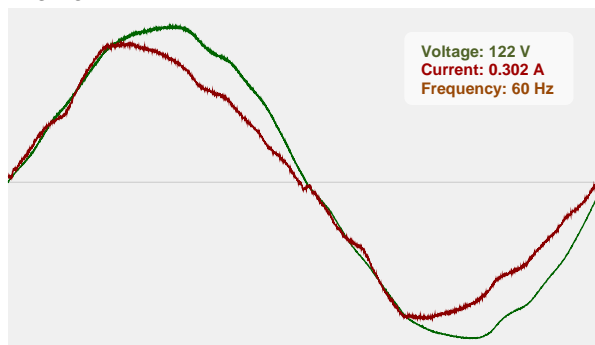


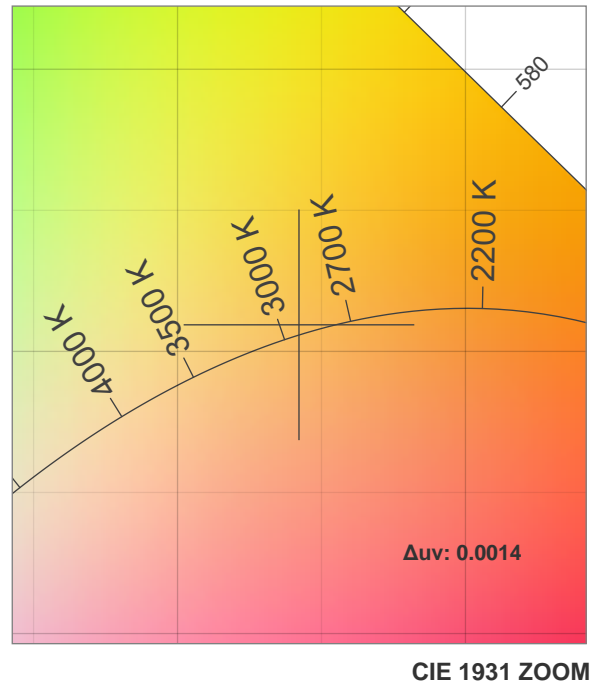
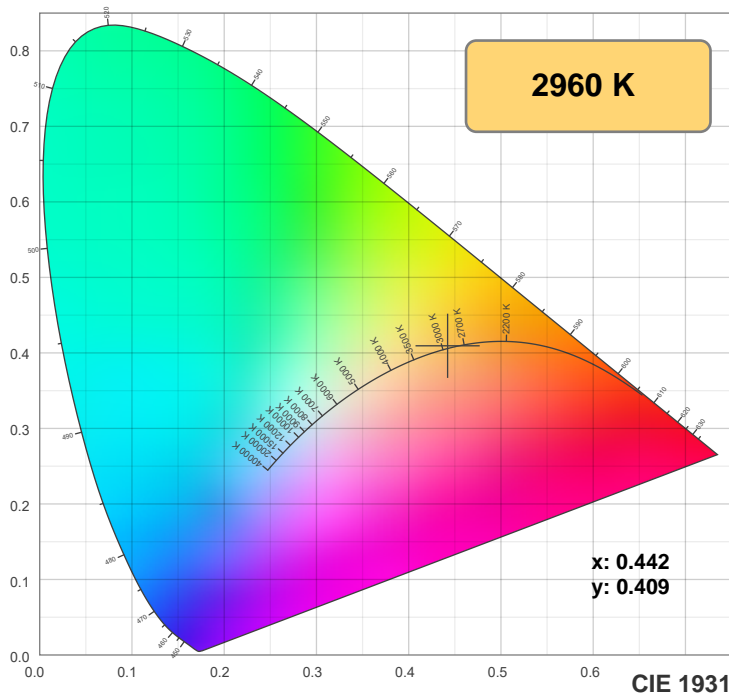
CIE 1931
x: 0.442
y: 0.409

Spectra

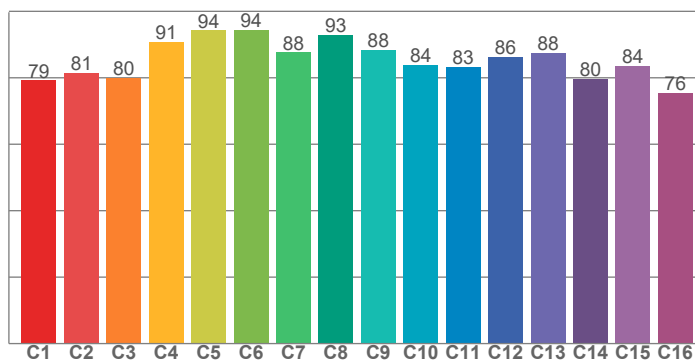


Power

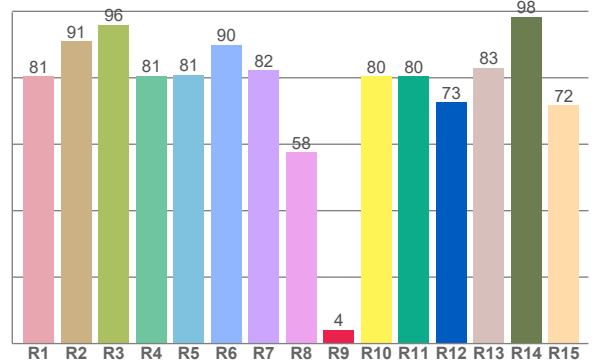




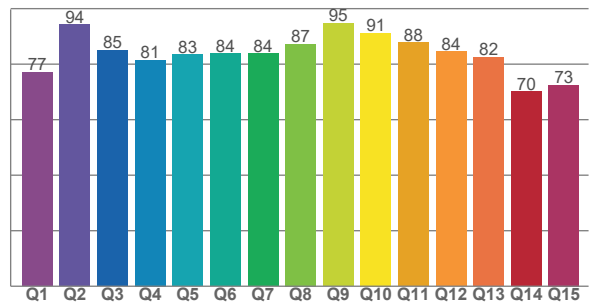
TM30: 85.4



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
80.5	91.1	96.0	80.6	80.9	89.9	82.3	57.6	4.1	80.4	80.5	72.6	83.0	98.3	71.6

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
79.2	81.4	80.0	90.8	94.3	94.4	87.6	93.0	88.4	83.8	83.3	86.3	87.5	79.6	83.6	75.5

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	83.4	83.8	83.8	87.2	94.7	91.2	87.8	84.5	82.5	70.1	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
2960 K	82.4	4.1	85.4	94.6	82.5	0.442	0.409	0.252	0.349	0.0014

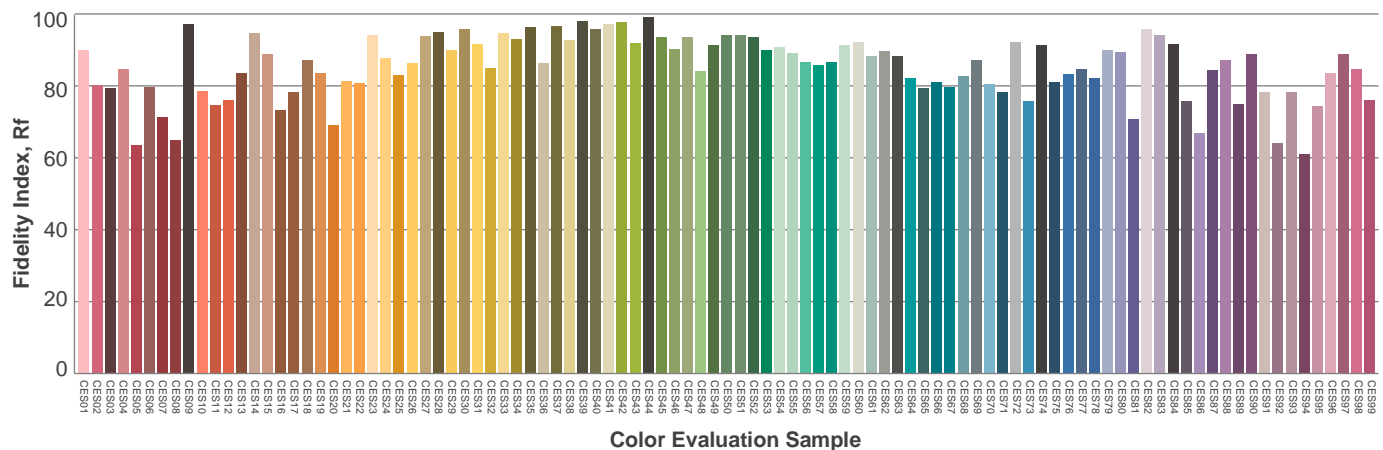
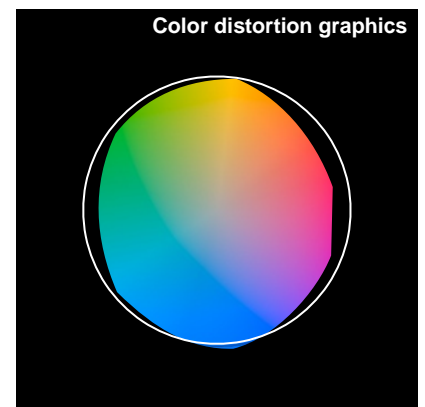
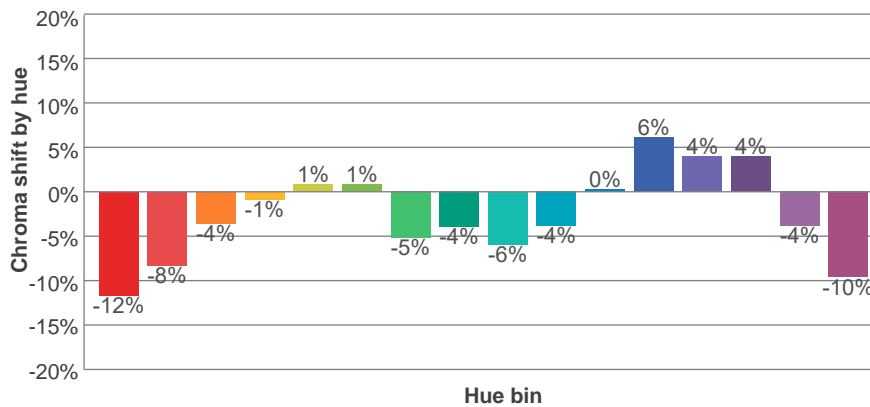
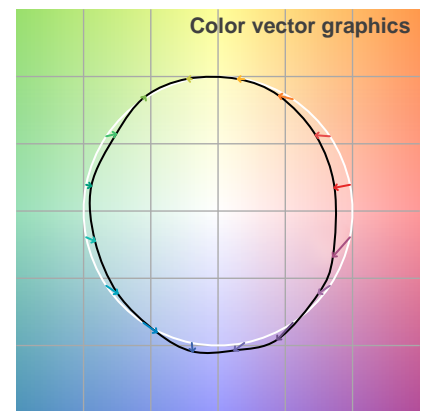
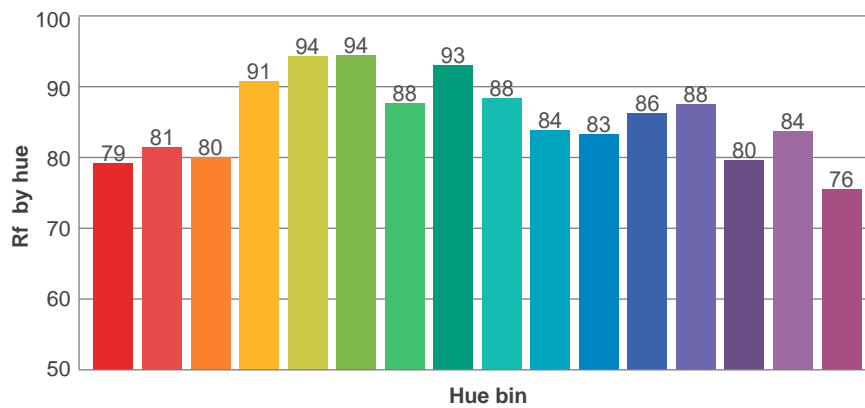
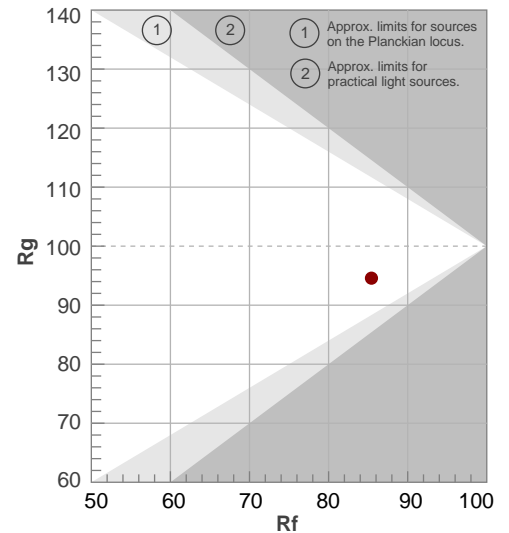
Rf 85.4

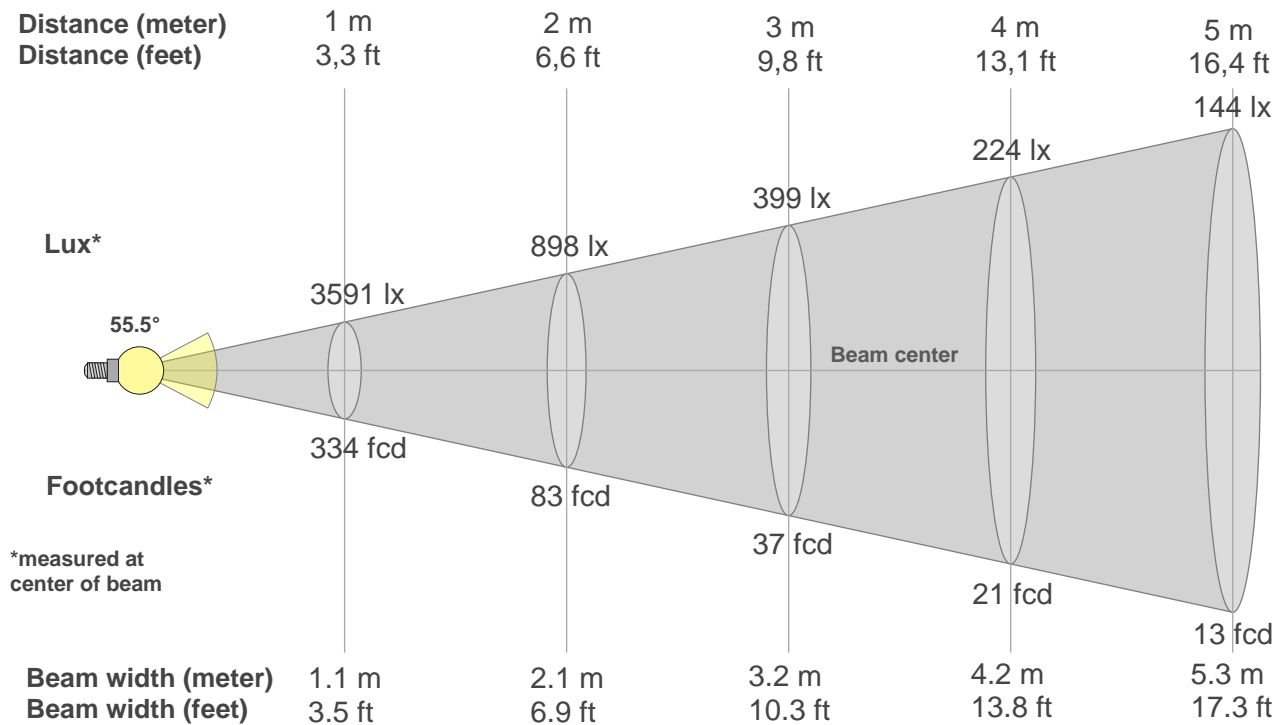
Fidelity index Rf

Rg 94.6

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	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
3591lx	898lx	399lx	224lx	144lx	100lx	73lx	56lx	44lx	36lx	30lx	25lx	21lx	18lx	16lx	14lx	12lx	11lx	10lx	9lx
333.6fcd	83.4fcd	37.1fcd	20.9fcd	13.3fcd	9.3fcd	6.8fcd	5.2fcd	4.1fcd	3.3fcd	2.8fcd	2.3fcd	2fcd	1.7fcd	1.5fcd	1.3fcd	1.2fcd	1fcd	0.9fcd	0.8fcd

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°
3591	3573	3509	3404	3265	3096	2903	2691	2462	2229	1997	1769	1550	1344	1161	996	848	717	603	506
100%	99%	98%	95%	91%	86%	81%	75%	69%	62%	56%	49%	43%	37%	32%	28%	24%	20%	17%	14%

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°
3591	3588	3571	3540	3498	3445	3383	3309	3222	3121	3010	2887	2755	2613	2460	2297	2129	1956	1780	1601
100%	100%	99%	99%	97%	96%	94%	92%	90%	87%	84%	80%	77%	73%	68%	64%	59%	54%	50%	45%

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°
3591	3573	3509	3404	3265	3096	2903	2691	2462	2229	1997	1769	1550	1344	1161	996	848	717	603	506
100%	99%	98%	95%	91%	86%	81%	75%	69%	62%	56%	49%	43%	37%	32%	28%	24%	20%	17%	14%

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°
3591	3588	3571	3540	3498	3445	3383	3309	3222	3121	3010	2887	2755	2613	2460	2297	2129	1956	1780	1601
100%	100%	99%	99%	97%	96%	94%	92%	90%	87%	84%	80%	77%	73%	68%	64%	59%	54%	50%	45%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
55.5°	97.3°	121.5°	97.0%	86.3%