

Light efficiency:

108 Lumen/Watt

Light quality:

CRI: 82.5

Color temperature:

2975 K

Output: 3953 lm

Peak: 5044 cd

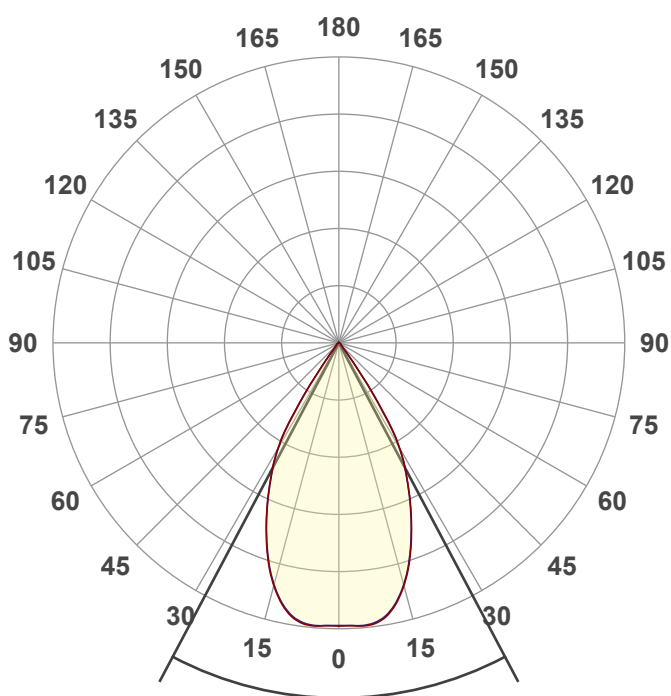
Power: 36.5 W

PF: 0.98



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

Date and time:
11/25/2024 11:32:01 AM



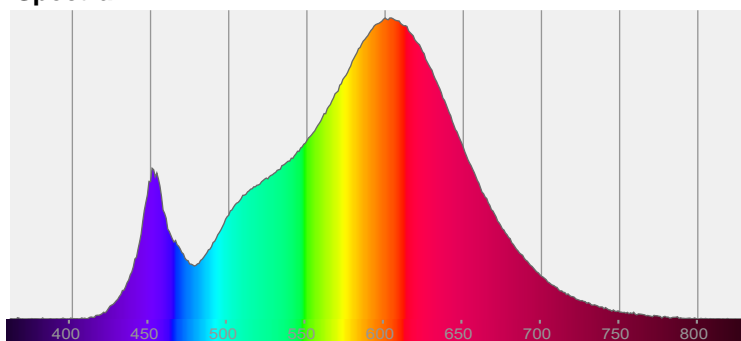
Beam angle

55.8°

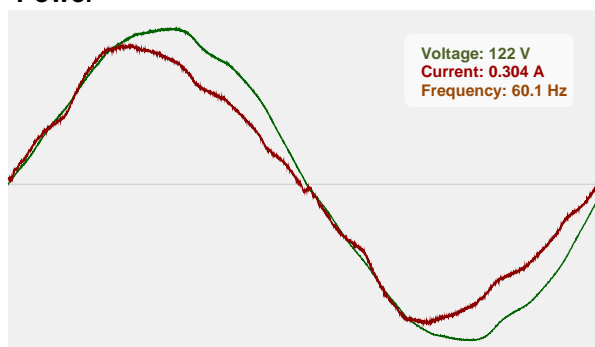


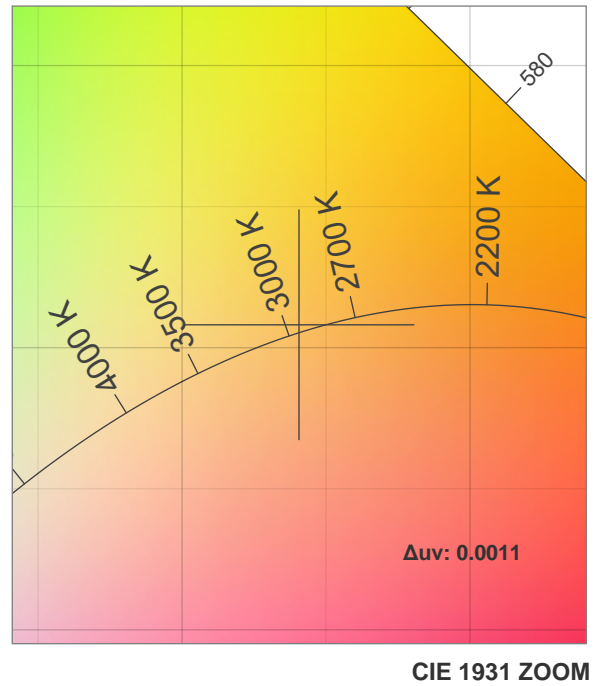
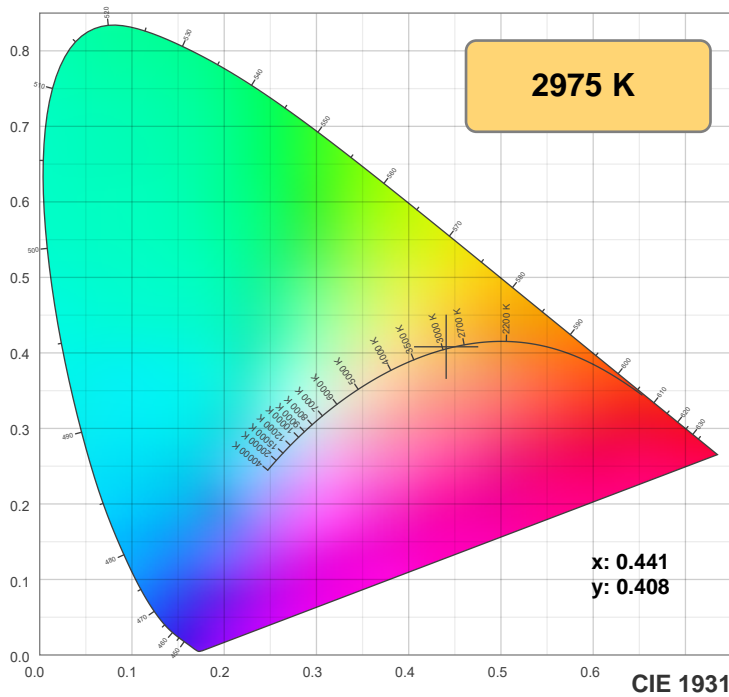
CIE 1931
x: 0.441
y: 0.408

Spectra

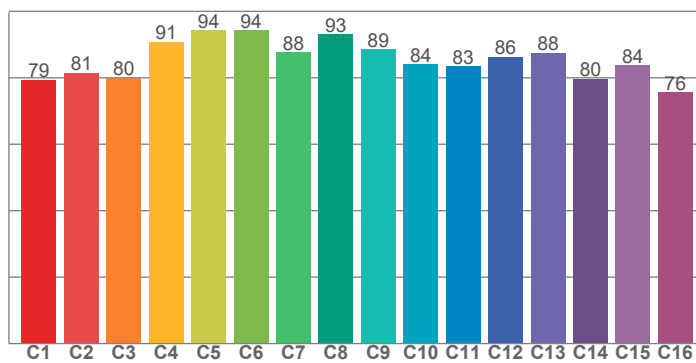


Power

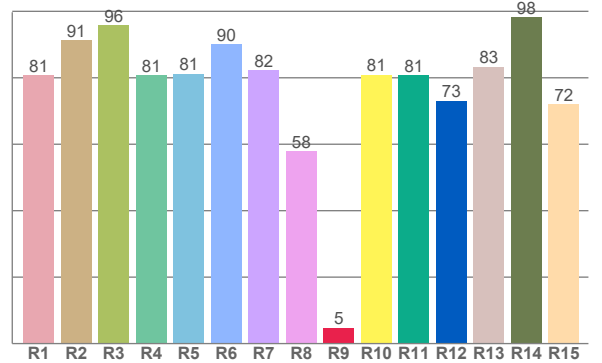




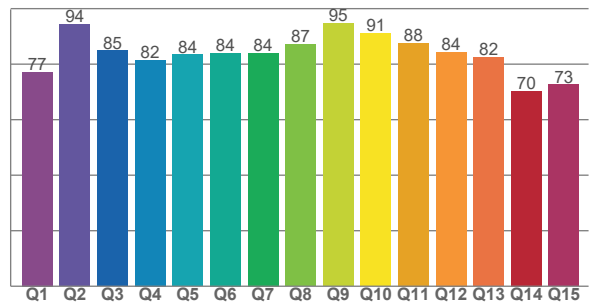
TM30: 85.5



CRI: 82.5 (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
80.8	91.3	95.9	80.8	81.2	90.1	82.3	57.8	4.8	80.9	80.7	73.1	83.3	98.3	72.0

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	93.1	88.5	84.0	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	85.0	81.5	83.5	84.0	83.9	87.1	94.7	91.1	87.7	84.4	82.5	70.3	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
2975 K	82.5	4.8	85.5	94.7	82.5	0.441	0.408	0.251	0.349	0.0011

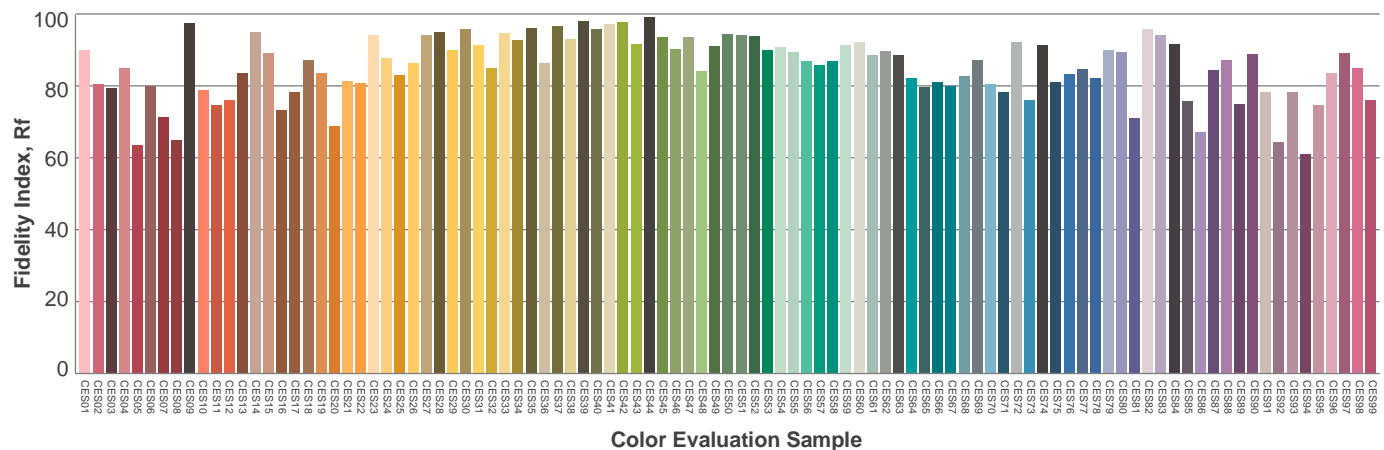
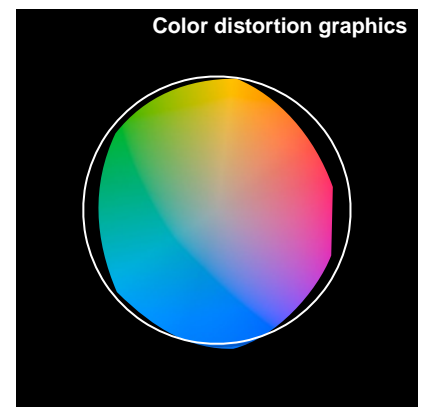
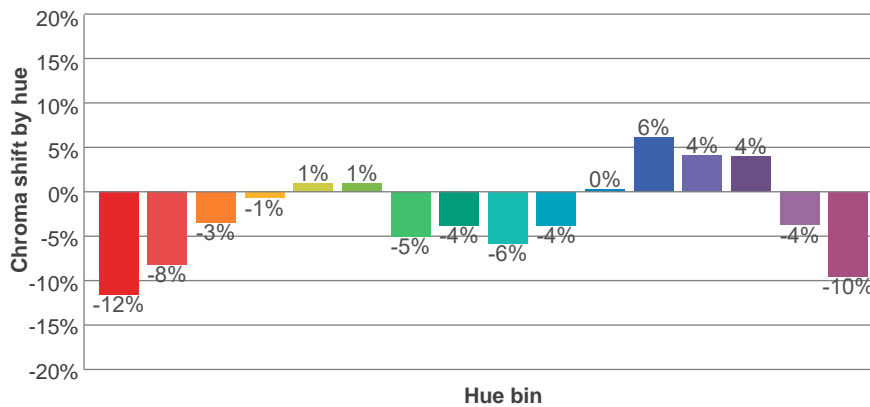
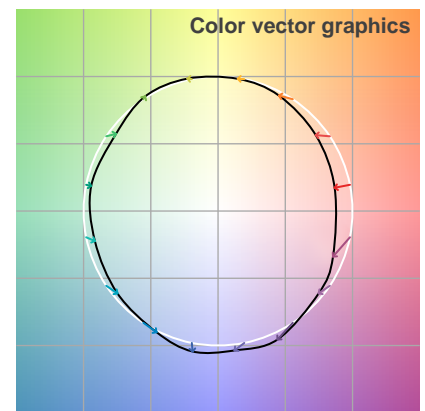
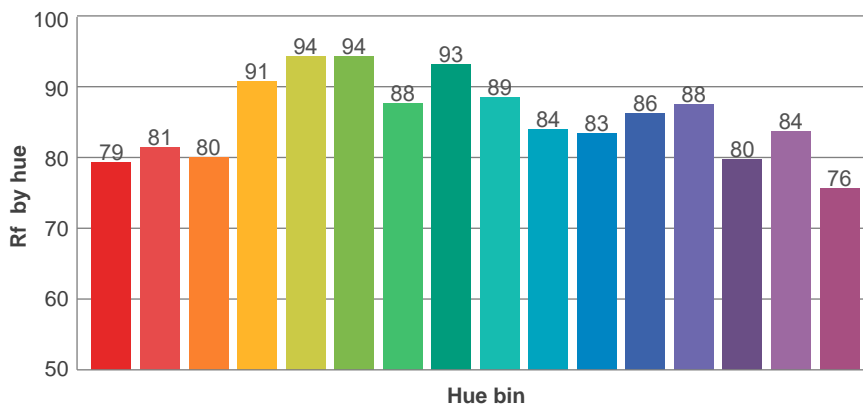
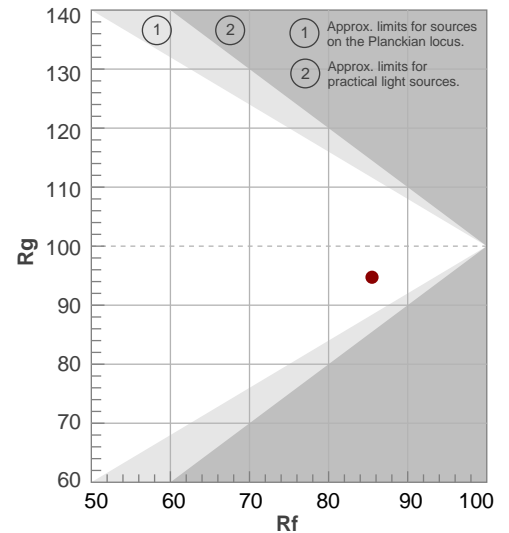
Rf 85.5

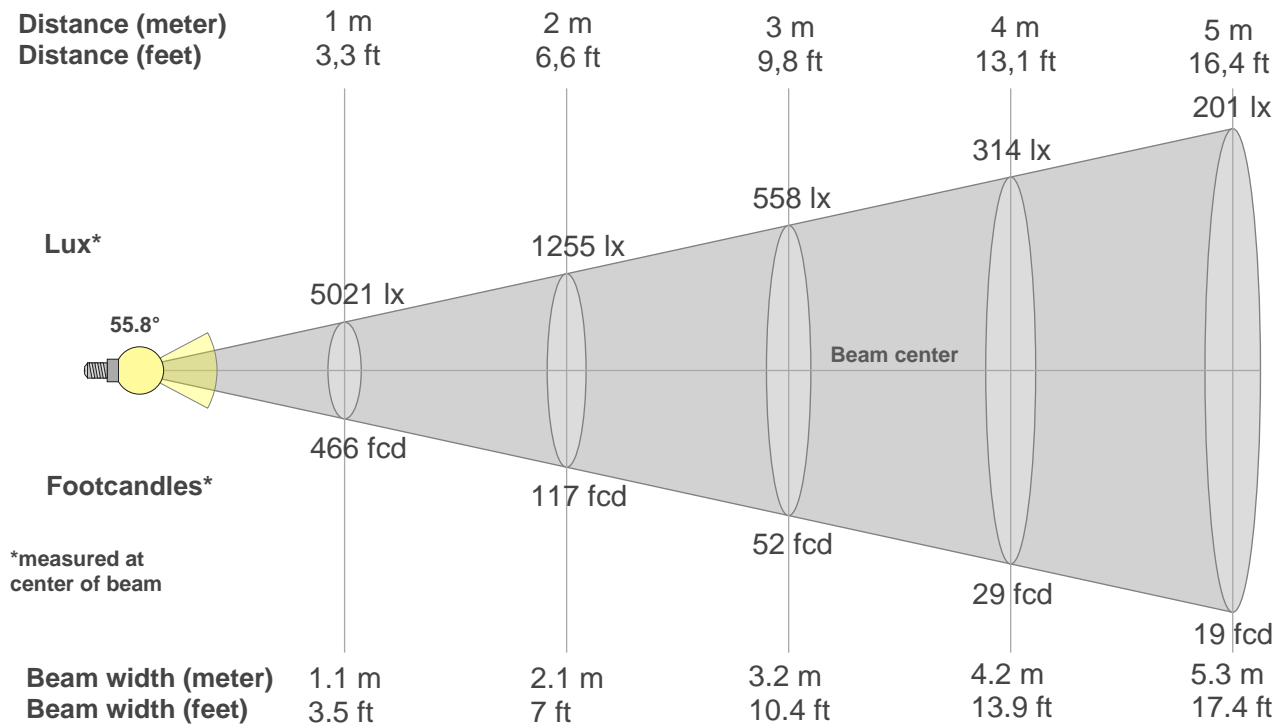
Fidelity index Rf

Rg 94.7

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	79	-12%	0%
2	81	-8%	7%
3	80	-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	-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
5021lx	1255lx	558lx	314lx	201lx	139lx	102lx	78lx	62lx	50lx	41lx	35lx	30lx	26lx	22lx	20lx	17lx	15lx	14lx	13lx
466.5fcd	116.6fcd	51.8fcd	29.2fcd	18.7fcd	13fcd	9.5fcd	7.3fcd	5.8fcd	4.7fcd	3.9fcd	3.2fcd	2.8fcd	2.4fcd	2.1fcd	1.8fcd	1.6fcd	1.4fcd	1.3fcd	1.2fcd

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°
5021	5024	5035	5034	4999	4916	4769	4568	4331	4058	3755	3439	3121	2802	2491	2142	1690	1067	539	252
100%	100%	100%	100%	100%	98%	95%	91%	86%	81%	75%	68%	62%	56%	50%	43%	34%	21%	11%	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°
5021	5020	5029	5020	4978	4893	4753	4552	4313	4038	3738	3424	3107	2788	2477	2112	1626	1007	482	233
100%	100%	100%	100%	99%	97%	95%	91%	86%	80%	74%	68%	62%	56%	49%	42%	32%	20%	10%	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°
5021	5024	5035	5034	4999	4916	4769	4568	4331	4058	3755	3439	3121	2802	2491	2142	1690	1067	539	252
100%	100%	100%	100%	100%	98%	95%	91%	86%	81%	75%	68%	62%	56%	50%	43%	34%	21%	11%	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°
5021	5020	5029	5020	4978	4893	4753	4552	4313	4038	3738	3424	3107	2788	2477	2112	1626	1007	482	233
100%	100%	100%	100%	99%	97%	95%	91%	86%	80%	74%	68%	62%	56%	49%	42%	32%	20%	10%	5%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
55.8°	76.4°	84.7°	98.8%	97.0%