

Light efficiency:

98 Lumen/Watt

Light quality:

CRI: 82.4

Color temperature:

2962 K

Output: 3558 lm

Peak: 5380 cd

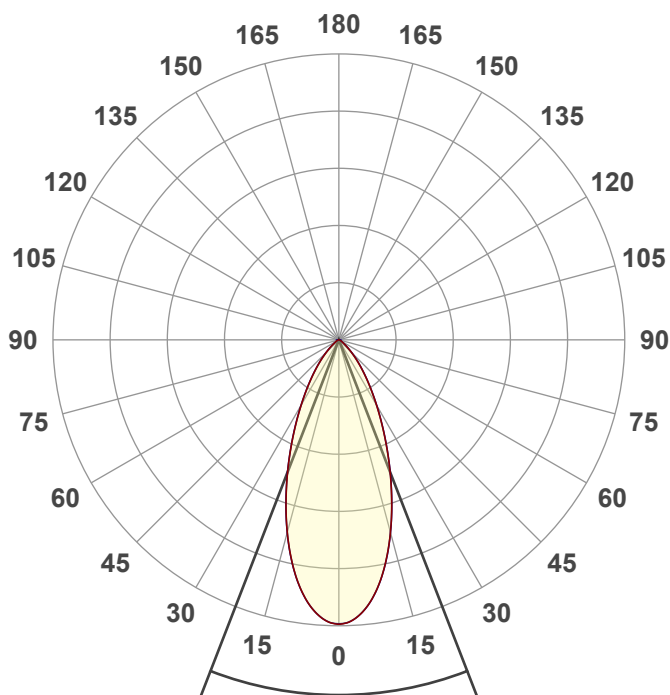
Power: 36.4 W

PF: 0.98



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

Date and time:
12/5/2024 11:00:24 AM



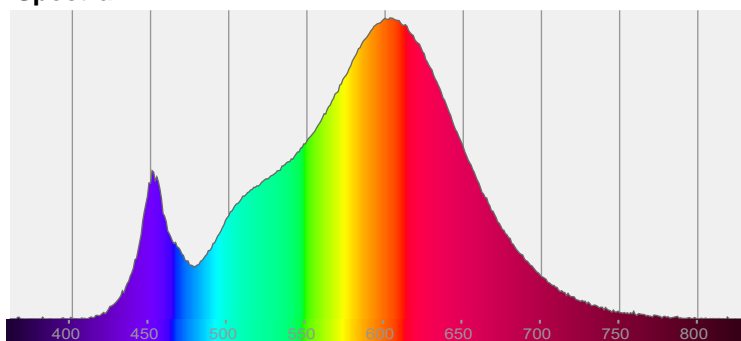
Beam angle

42.4°

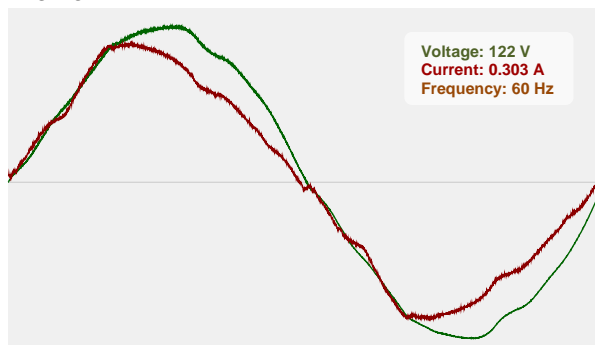


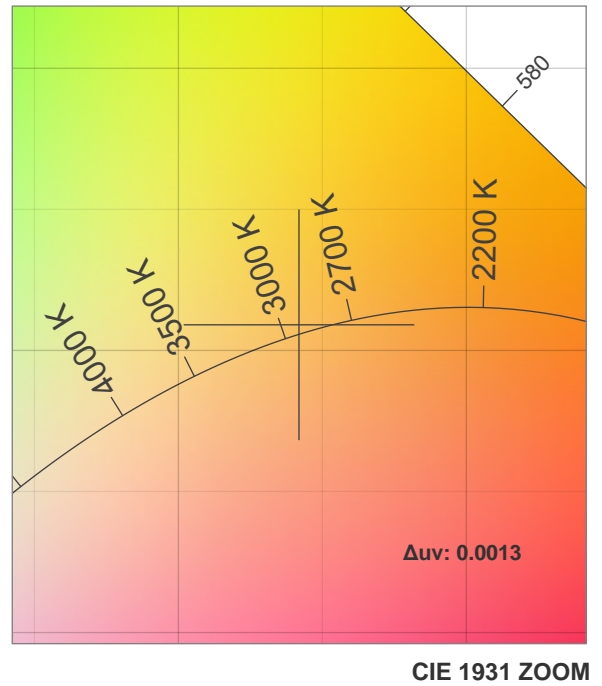
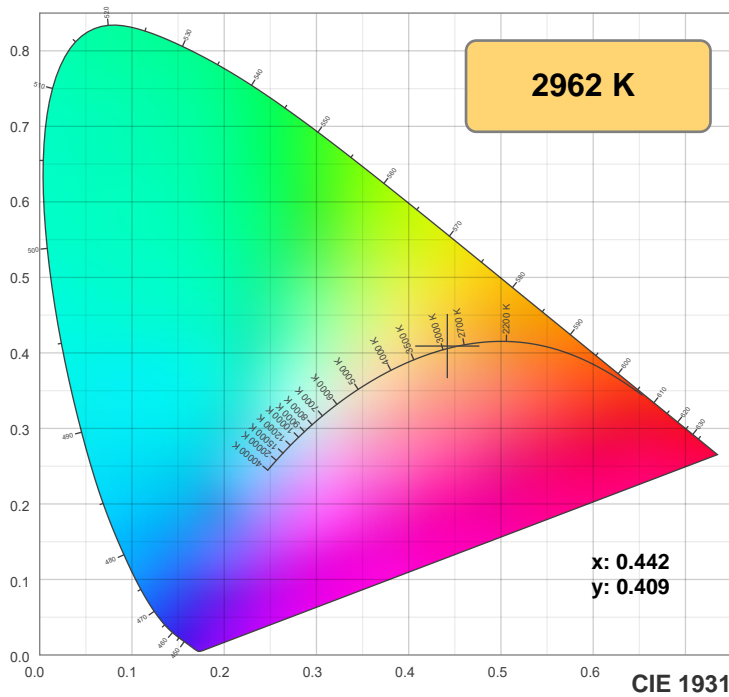
CIE 1931
x: 0.442
y: 0.409

Spectra

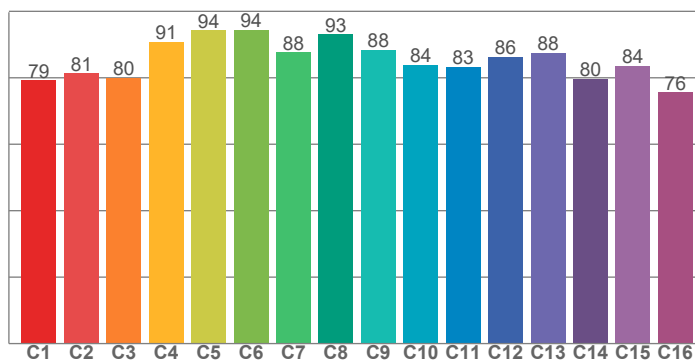


Power

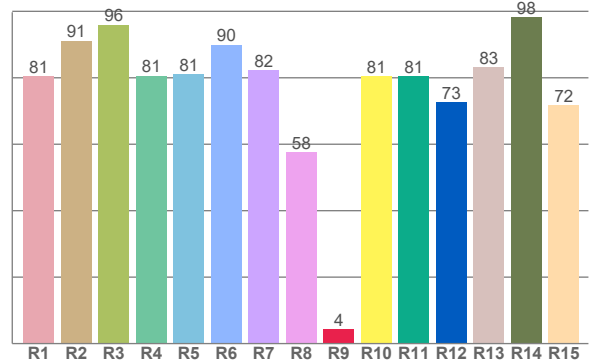




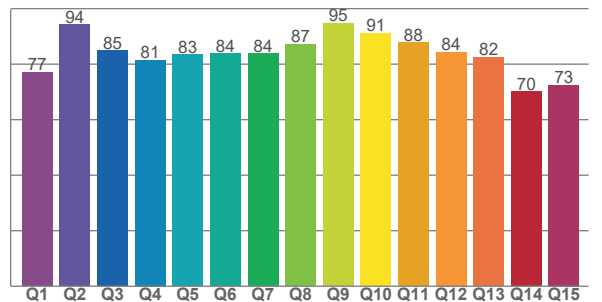
TM30: 85.4



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	91.1	96.0	80.6	81.0	90.0	82.3	57.6	4.2	80.5	80.5	72.7	83.1	98.3	71.7

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	79.9	90.8	94.3	94.4	87.6	93.0	88.4	83.9	83.4	86.3	87.5	79.7	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	91.1	87.7	84.4	82.4	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
2962 K	82.4	4.2	85.4	94.6	82.5	0.442	0.409	0.252	0.349	0.0013

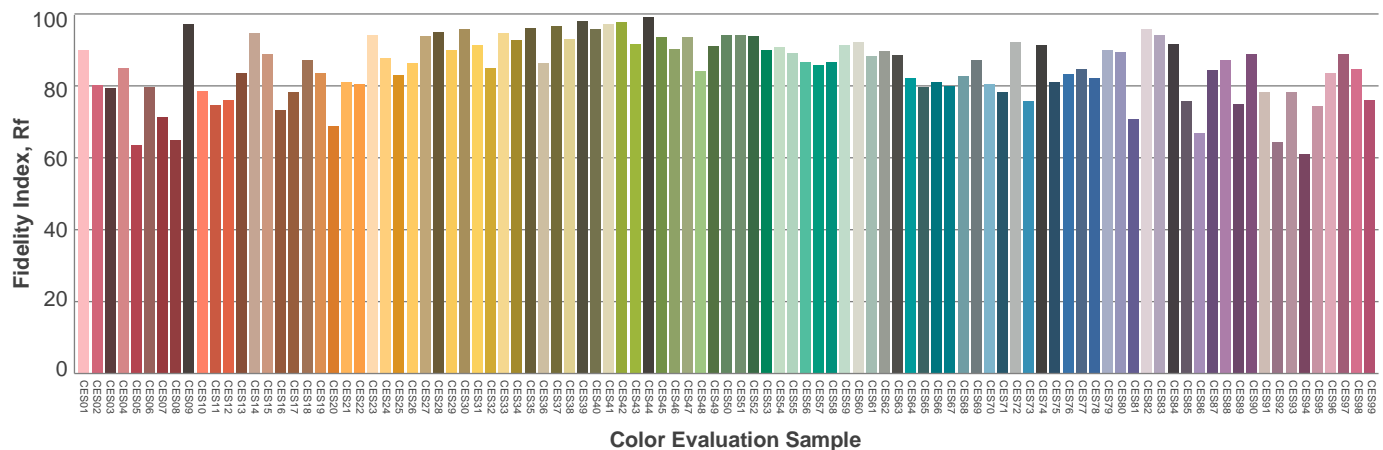
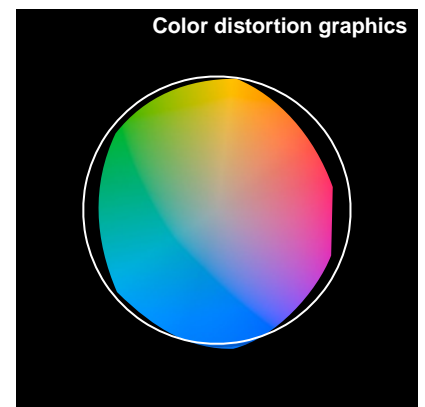
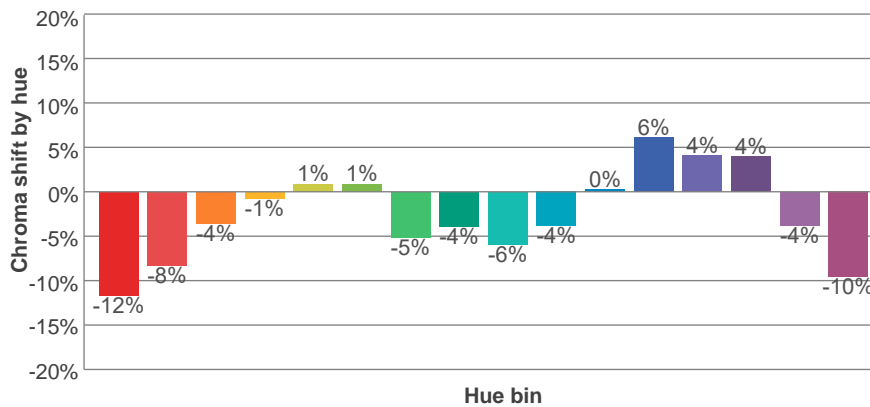
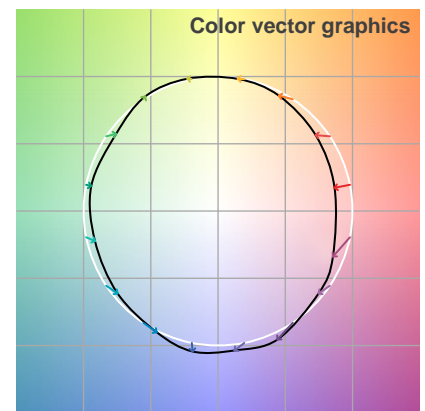
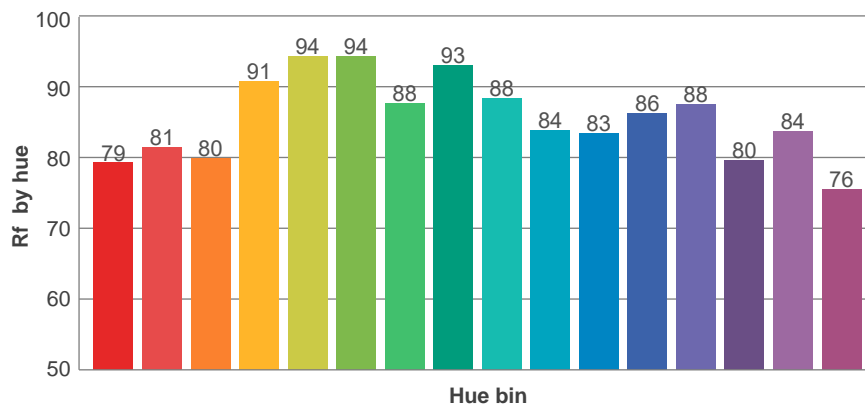
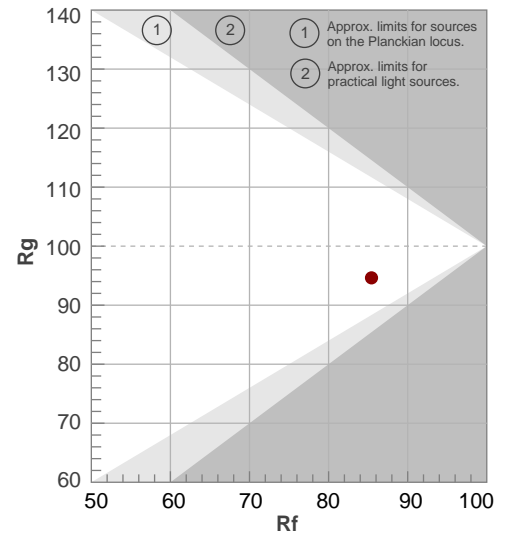
Rf 85.4

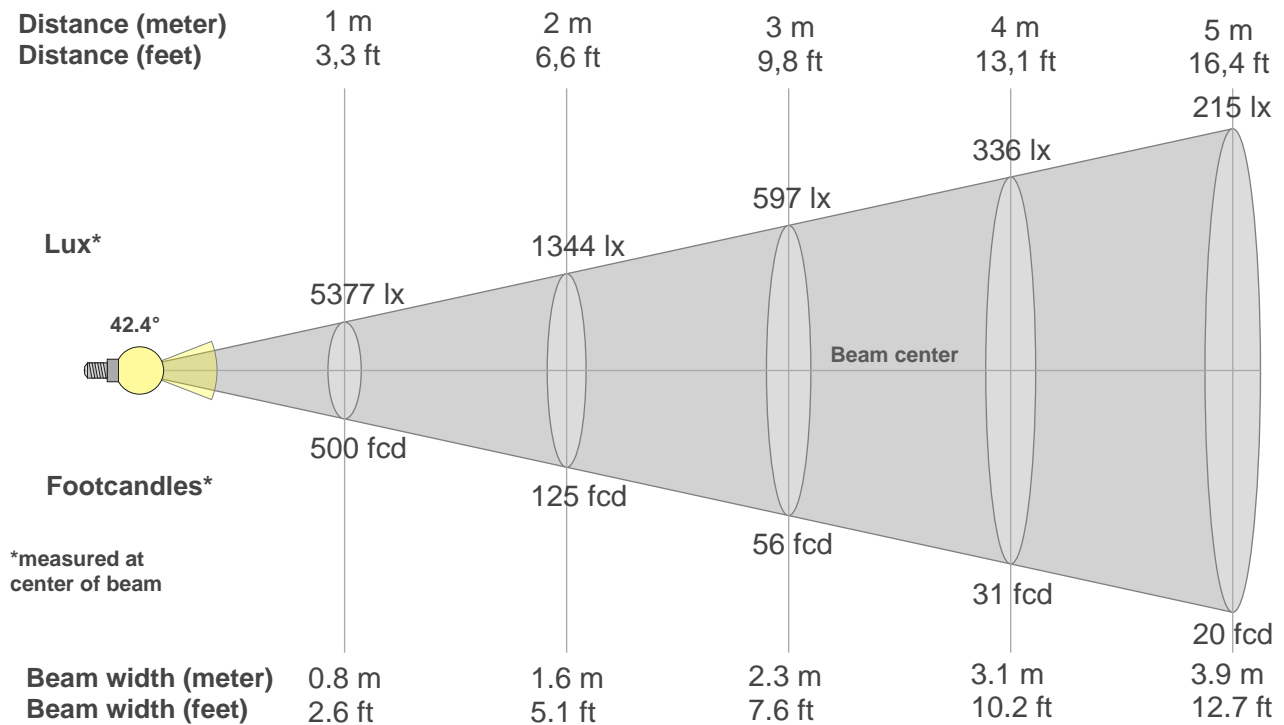
Fidelity index Rf

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
5377lx	1344lx	597lx	336lx	215lx	149lx	110lx	84lx	66lx	54lx	44lx	37lx	32lx	27lx	24lx	21lx	19lx	17lx	15lx	13lx
499.5fcd	124.9fcd	55.5fcd	31.2fcd	20fcd	13.9fcd	10.2fcd	7.8fcd	6.2fcd	5fcd	4.1fcd	3.5fcd	3fcd	2.5fcd	2.2fcd	2fcd	1.7fcd	1.5fcd	1.4fcd	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°
5377	5346	5240	5076	4859	4589	4279	3947	3594	3236	2886	2550	2230	1934	1668	1429	1215	1029	864	719
100%	99%	97%	94%	90%	85%	80%	73%	67%	60%	54%	47%	41%	36%	31%	27%	23%	19%	16%	13%

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°
5377	5340	5236	5077	4857	4590	4284	3948	3597	3240	2892	2555	2232	1940	1672	1430	1218	1031	866	723
100%	99%	97%	94%	90%	85%	80%	73%	67%	60%	54%	48%	42%	36%	31%	27%	23%	19%	16%	13%

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°
5377	5346	5240	5076	4859	4589	4279	3947	3594	3236	2886	2550	2230	1934	1668	1429	1215	1029	864	719
100%	99%	97%	94%	90%	85%	80%	73%	67%	60%	54%	47%	41%	36%	31%	27%	23%	19%	16%	13%

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°
5377	5340	5236	5077	4857	4590	4284	3948	3597	3240	2892	2555	2232	1940	1672	1430	1218	1031	866	723
100%	99%	97%	94%	90%	85%	80%	73%	67%	60%	54%	48%	42%	36%	31%	27%	23%	19%	16%	13%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
42.4°	82.9°	107.6°	97.8%	91.4%