

Light efficiency:

76 Lumen/Watt

Light quality:

CRI: 92.2

Color temperature:

2966 K

Output: 767 lm

Peak: 6260 cd

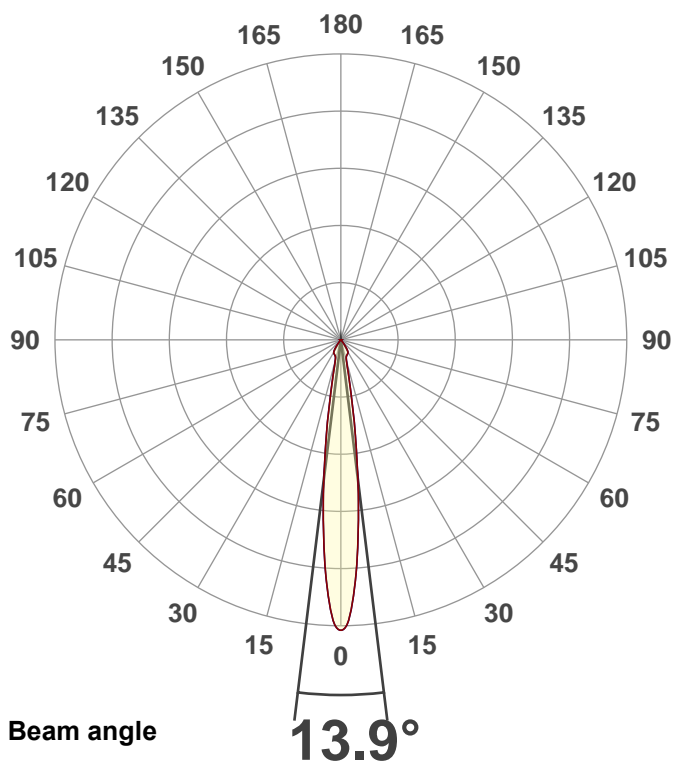
Power: 10.0 W

PF: 0.94



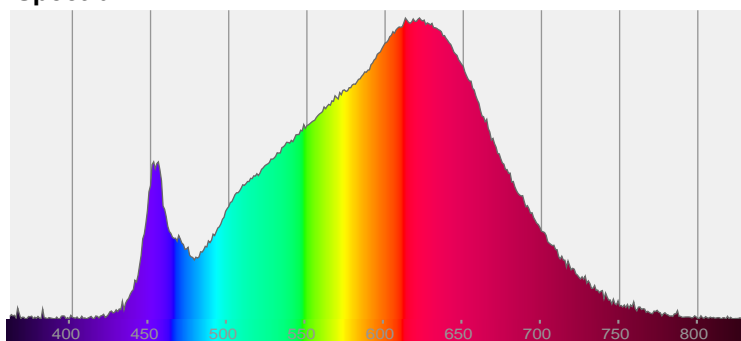
NU4-RD-SW-10LM-30K-90-S10-120-DIM10-NC-WH-WH

Date and time:
2/27/2021 11:53:03 AM

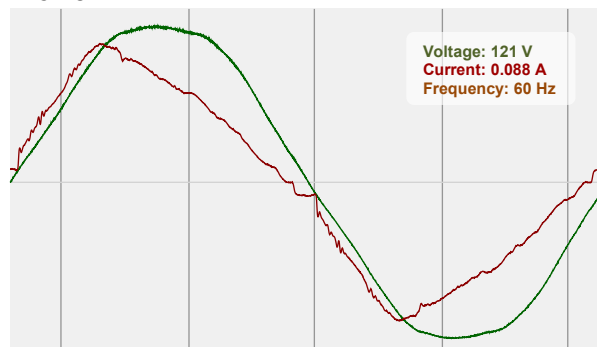


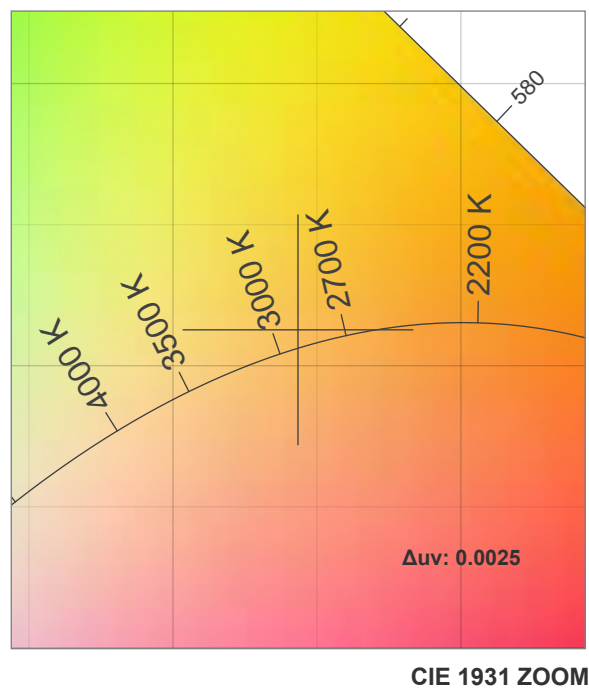
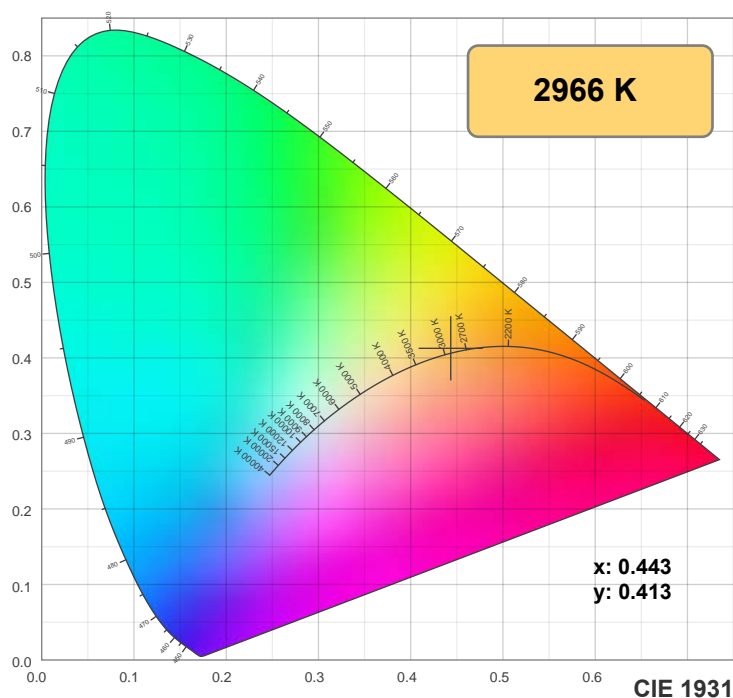
CIE 1931
x: 0.443
y: 0.413

Spectra

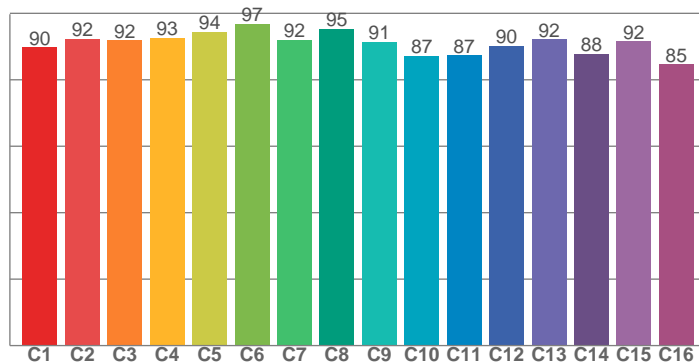


Power

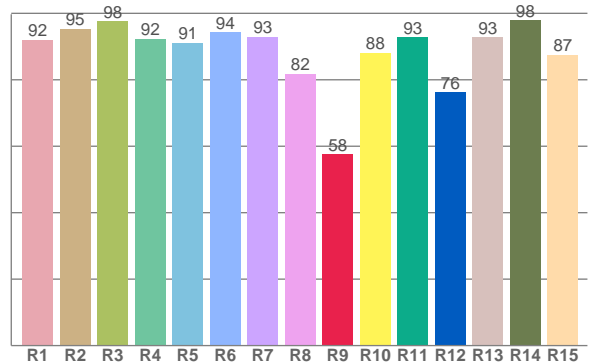




TM30: 91.0



CRI: 92.2 (R1-R8)



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
92.0	95.3	97.6	92.3	91.2	94.3	93.0	81.8	57.5	88.1	92.9	76.3	92.8	97.9	87.5

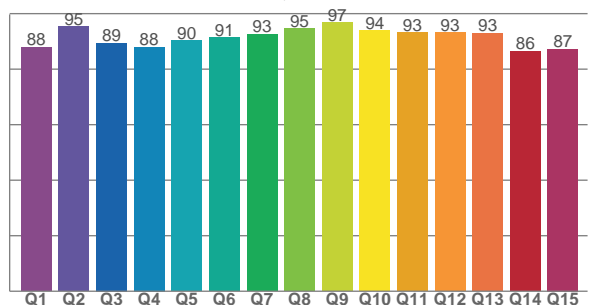
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89.8	92.3	91.8	92.6	94.4	96.8	92.1	95.4	91.4	87.2	87.4	90.1	92.2	87.9	91.5	84.7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
87.9	95.3	89.4	88.0	90.3	91.4	92.5	94.7	96.8	93.9	93.2	93.2	92.9	86.4	87.3

CQS: 90.9



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
2966 K	92.2	57.5	91.0	97.1	90.9	0.443	0.413	0.251	0.350	0.0025

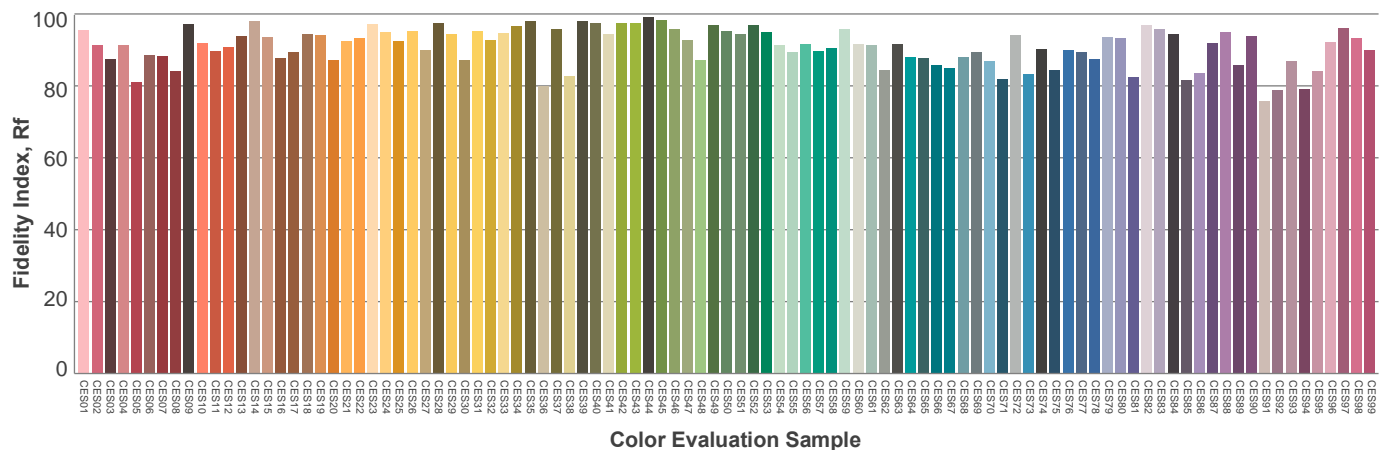
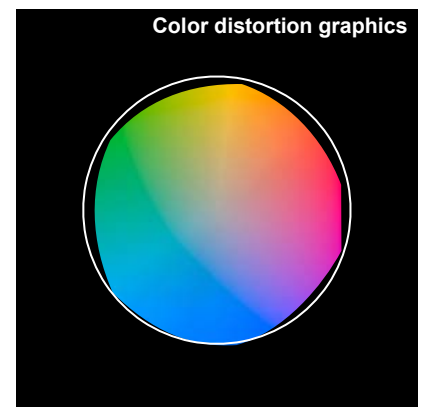
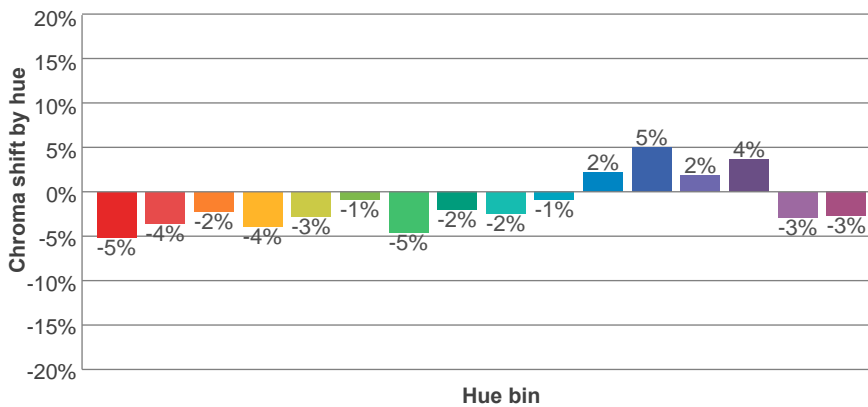
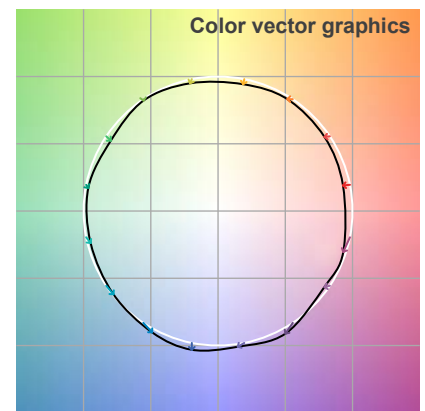
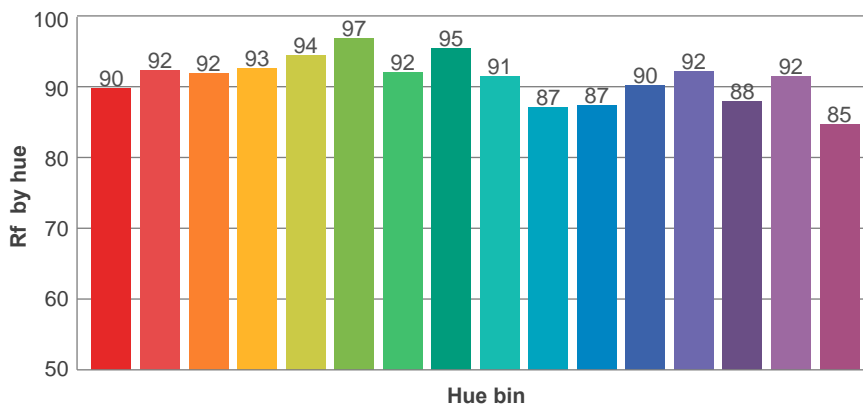
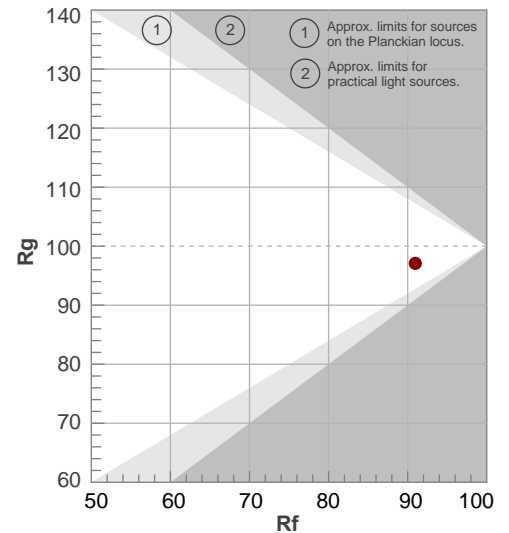
Rf 91.0

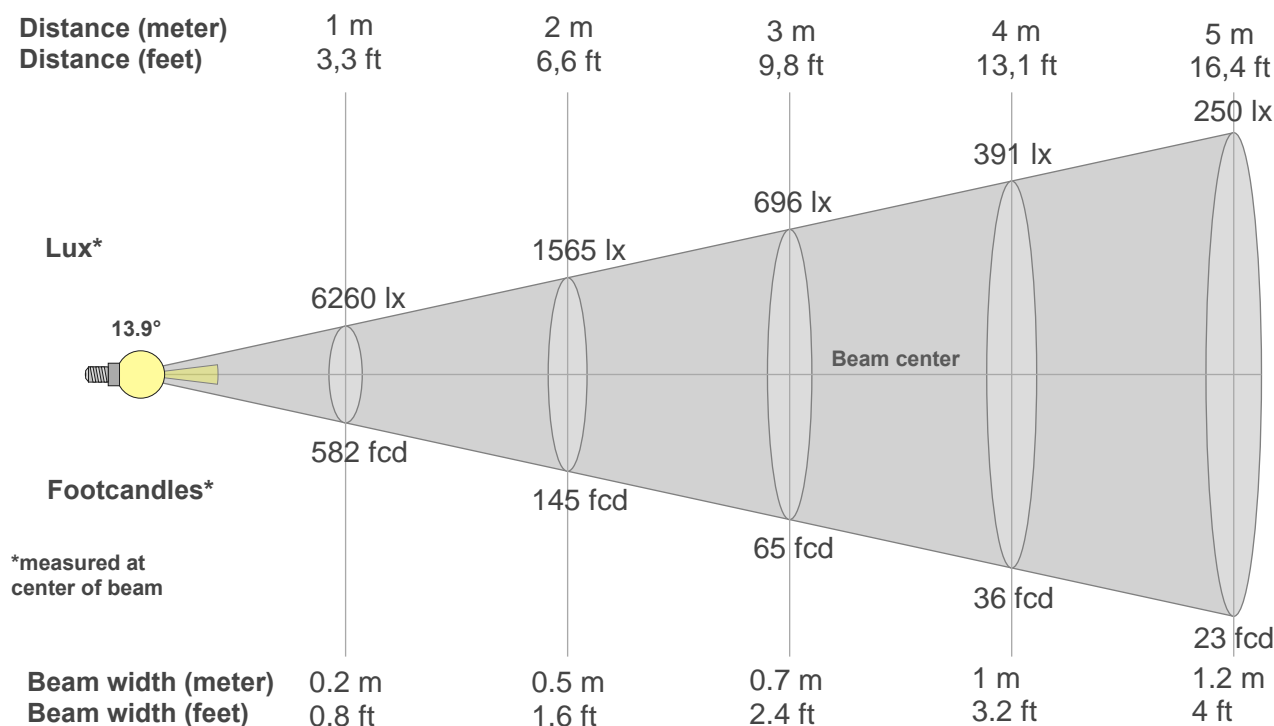
Fidelity index Rf

Rg 97.1

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	90	-5%	1%
2	92	-4%	2%
3	92	-2%	3%
4	93	-4%	0%
5	94	-3%	2%
6	97	-1%	0%
7	92	-5%	1%
8	95	-2%	2%
9	91	-2%	5%
10	87	-1%	8%
11	87	2%	9%
12	90	5%	1%
13	92	2%	-5%
14	88	4%	-9%
15	92	-3%	-3%
16	85	-3%	-12%





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
6260lx	1565lx	696lx	391lx	250lx	174lx	128lx	98lx	77lx	63lx	52lx	43lx	37lx	32lx	28lx	24lx	22lx	19lx	17lx	16lx
581.6fcd	145.4fcd	64.6fcd	36.3fcd	23.3fcd	16.2fcd	11.9fcd	9.1fcd	7.2fcd	5.8fcd	4.8fcd	4fcd	3.4fcd	3fcd	2.6fcd	2.3fcd	2fcd	1.8fcd	1.6fcd	1.5fcd

Intensities in 0° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
6260	6260	5942	5486	4984	4348	3713	3107	2507	1974	1549	1124	908	703	568	499	435	414	394	382
100%	100%	95%	88%	80%	69%	59%	50%	40%	32%	25%	18%	15%	11%	9%	8%	7%	7%	6%	6%

Intensities in 90° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
6260	6260	5942	5486	4984	4348	3713	3107	2507	1974	1549	1124	908	703	568	499	435	414	394	382
100%	100%	95%	88%	80%	69%	59%	50%	40%	32%	25%	18%	15%	11%	9%	8%	7%	7%	6%	6%

Intensities in 180° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
6260	6260	5942	5486	4984	4348	3713	3107	2507	1974	1549	1124	908	703	568	499	435	414	394	382
100%	100%	95%	88%	80%	69%	59%	50%	40%	32%	25%	18%	15%	11%	9%	8%	7%	7%	6%	6%

Intensities in 270° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
6260	6260	5942	5486	4984	4348	3713	3107	2507	1974	1549	1124	908	703	568	499	435	414	394	382
100%	100%	95%	88%	80%	69%	59%	50%	40%	32%	25%	18%	15%	11%	9%	8%	7%	7%	6%	6%

Beam angle 50°	Field angle 10°	Cutoff angle 2,5°	Intensity ratio in 120° cone	Intensity ratio in 90° cone
{B_ANG}°	26.8°	70.7°	99.2%	97.6%