

Light efficiency:

46 Lumen/Watt

Light quality:

CRI: 82.0

Color temperature:

3100 K

Output: 1400 lm

Peak: 9826 cd

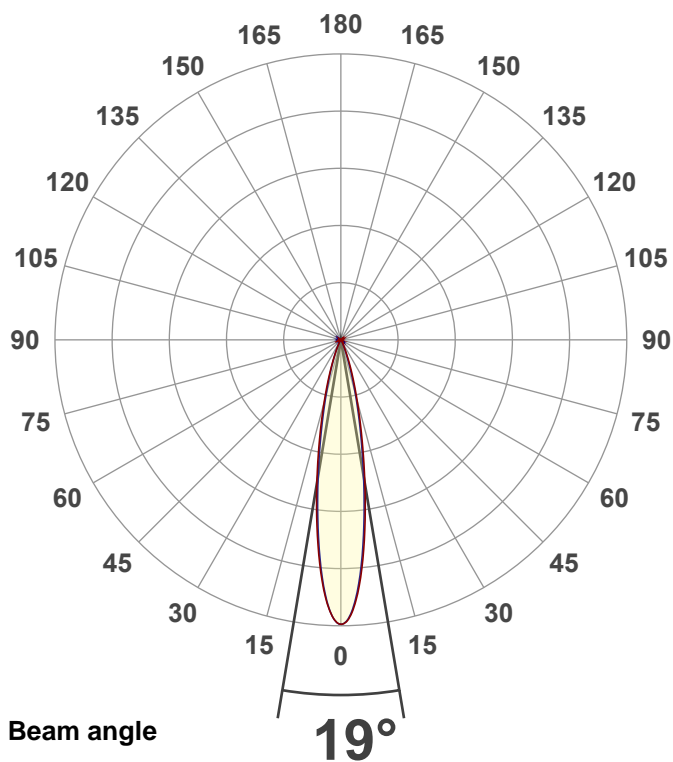
Power: 30.4 W

PF: 0.98



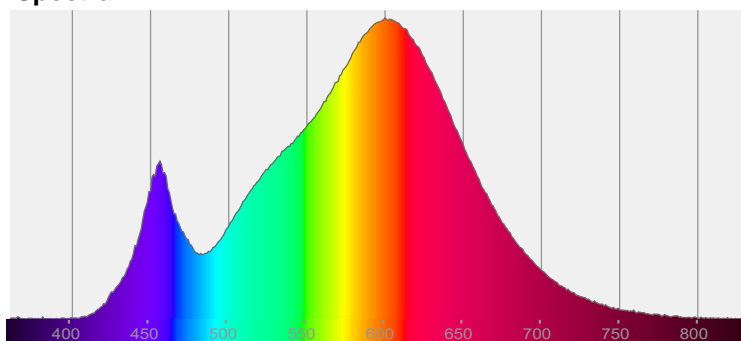
NU3-RA-SW-20LM-30K-80-15D-HETA-NL-WH

Date and time:
5/31/2022 9:59:22 AM

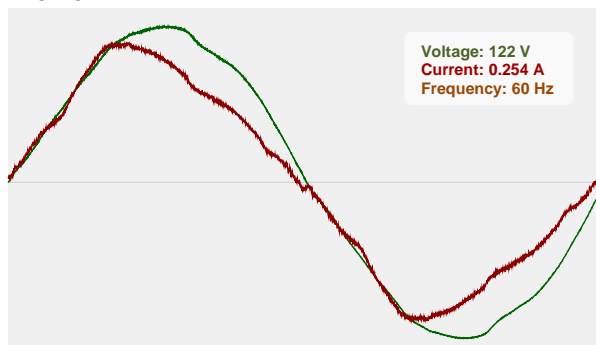


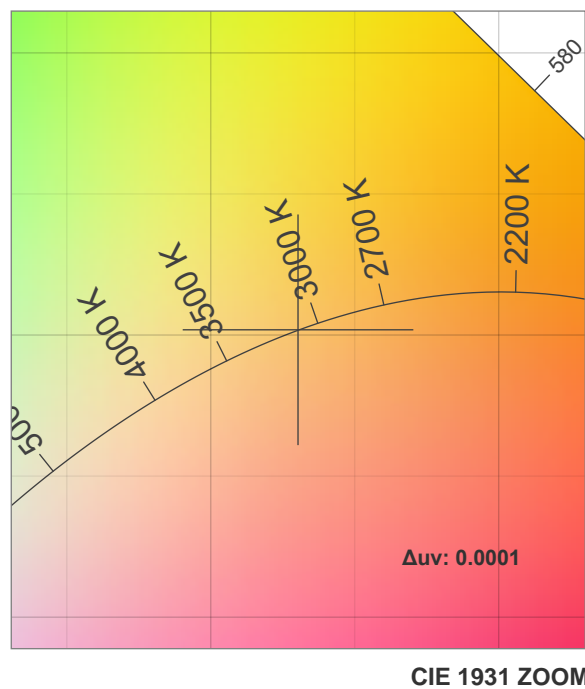
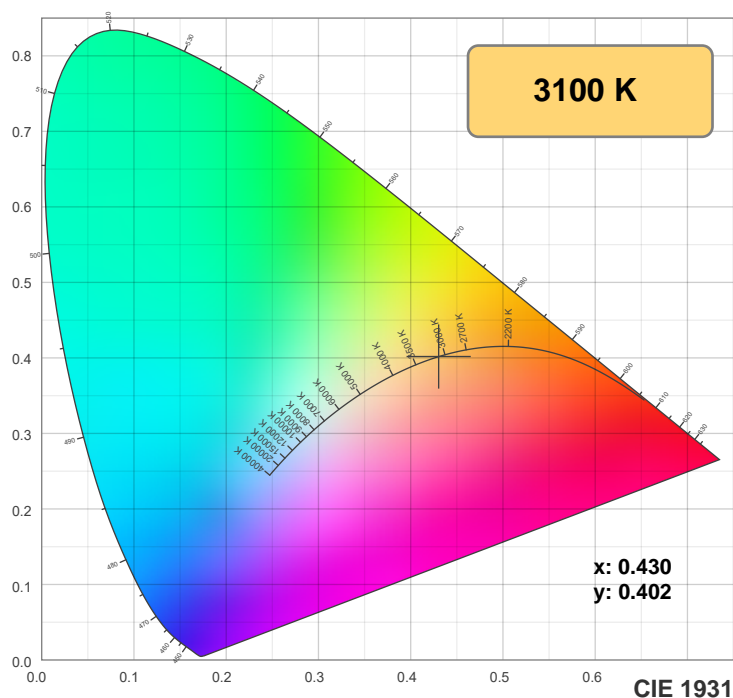
CIE 1931
x: 0.430
y: 0.402

Spectra

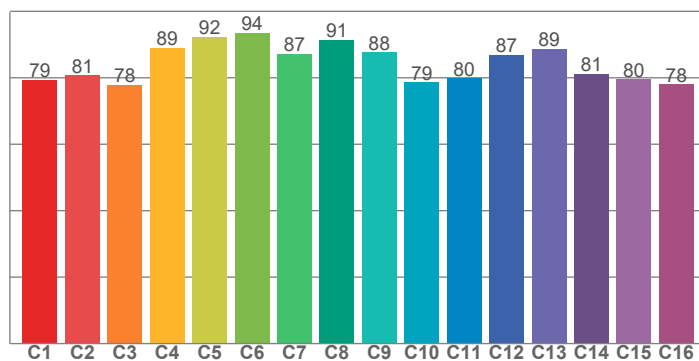


Power

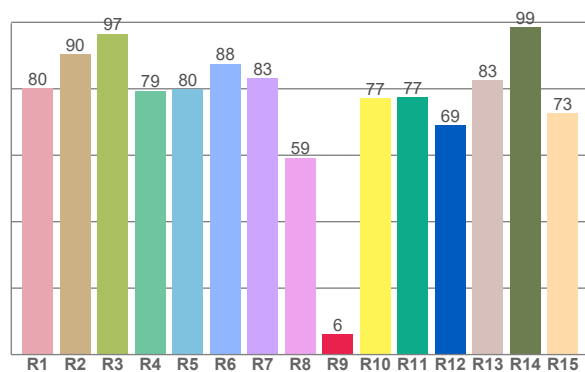




TM30: 84.4



CRI: 82.0 (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
80.2	90.3	96.6	79.4	79.9	87.6	83.1	59.2	6.0	77.2	77.5	69.0	82.6	98.6	72.7

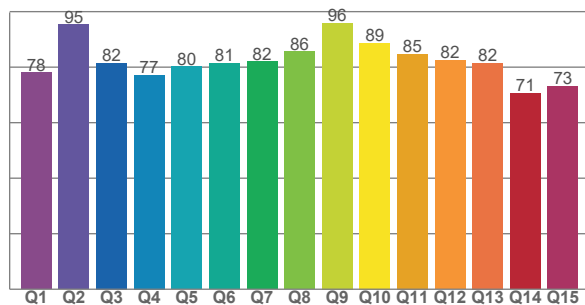
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
79.3	80.7	77.9	89.1	92.3	93.6	87.2	91.4	87.6	78.6	79.8	87.0	88.8	81.1	79.6	78.0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
78.1	95.4	81.5	77.1	80.3	81.4	82.0	85.6	95.9	88.6	84.8	82.5	81.5	70.6	73.1

CQS: 81.2



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
3100 K	82.0	6.0	84.4	95.2	81.2	0.430	0.402	0.247	0.346	0.0001

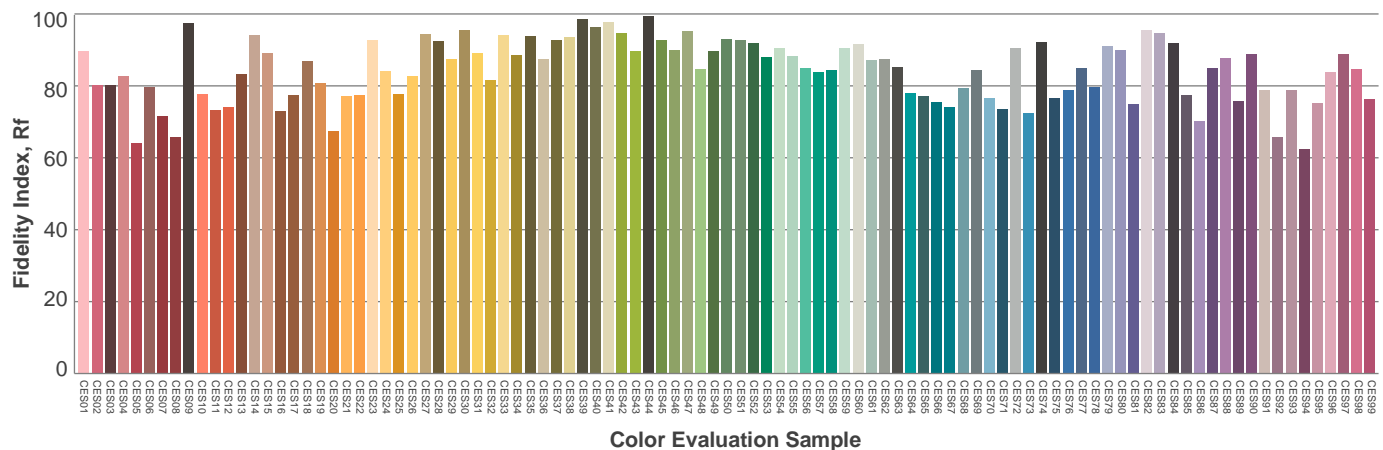
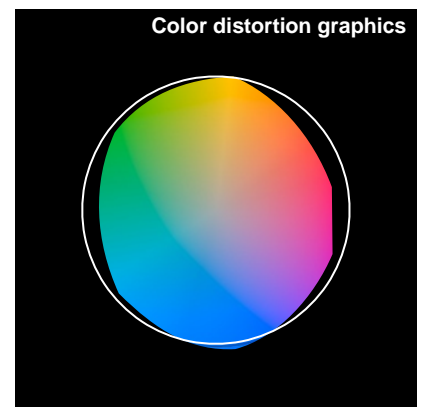
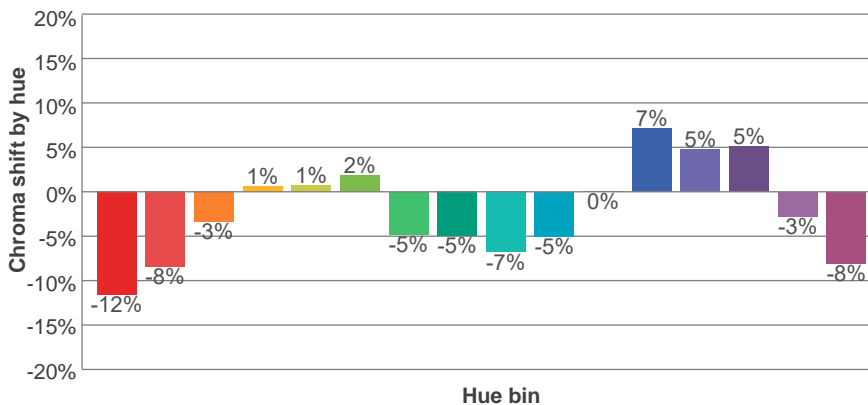
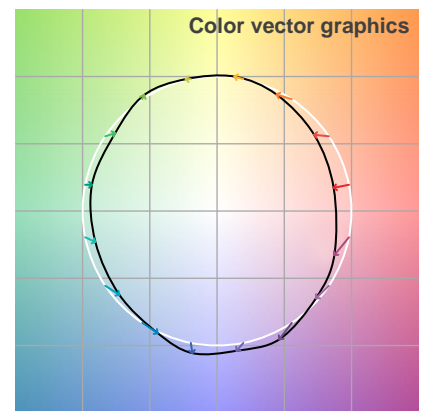
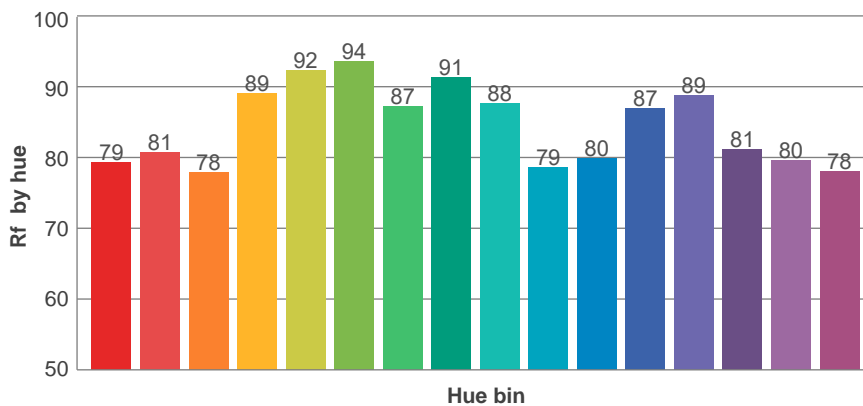
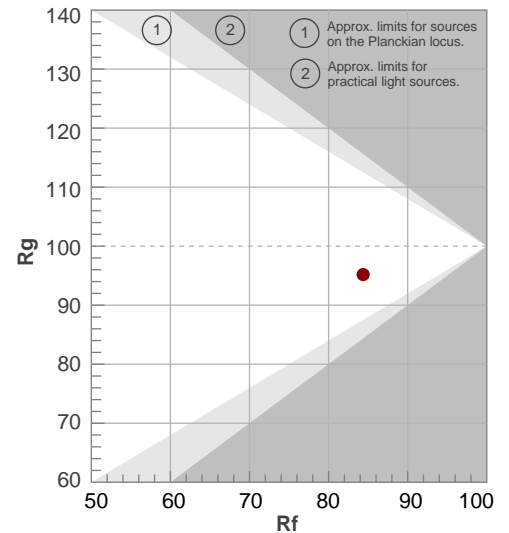
Rf 84.4

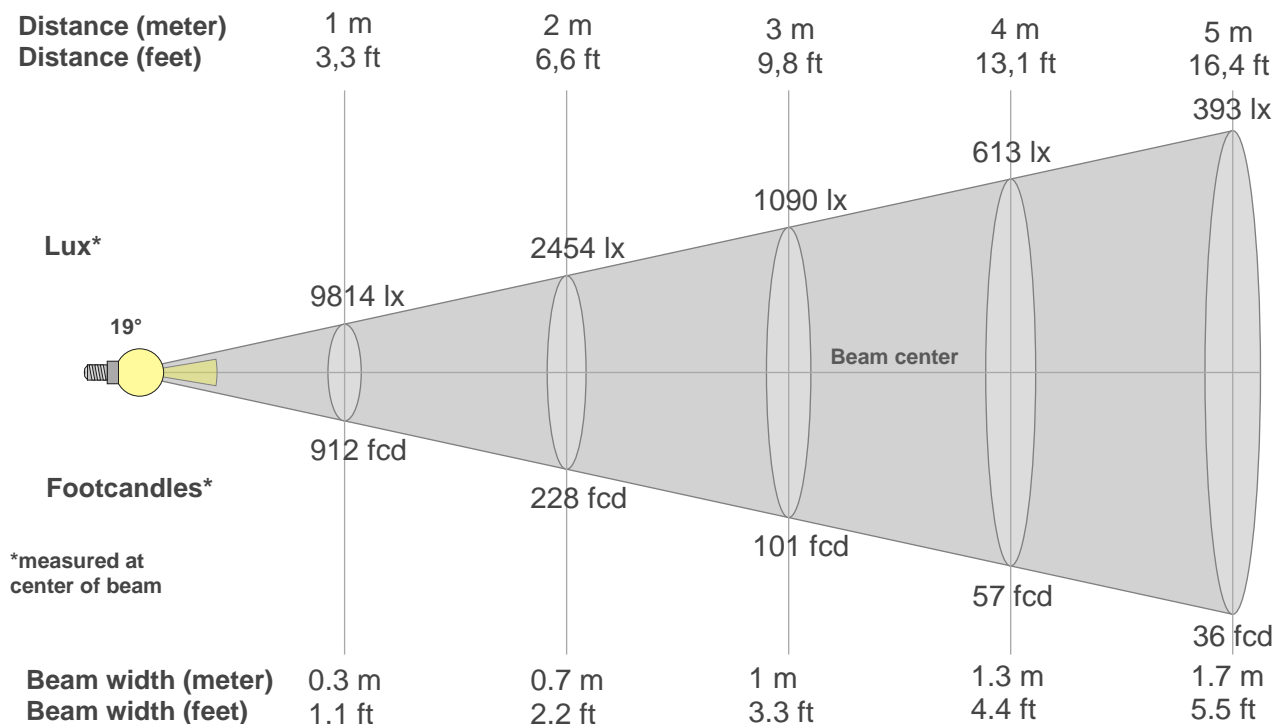
Fidelity index Rf

Rg 95.2

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	79	-12%	0%
2	81	-8%	7%
3	78	-3%	11%
4	89	1%	7%
5	92	1%	4%
6	94	2%	-3%
7	87	-5%	-6%
8	91	-5%	-1%
9	88	-7%	5%
10	79	-5%	11%
11	80	0%	14%
12	87	7%	3%
13	89	5%	-6%
14	81	5%	-14%
15	80	-3%	-13%
16	78	-8%	-15%





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
9814lx	2454lx	1090lx	613lx	393lx	273lx	200lx	153lx	121lx	98lx	81lx	68lx	58lx	50lx	44lx	38lx	34lx	30lx	27lx	25lx
911.8fc	227.9fc	101.3fc	57fcd	36.5fcd	25.3fcd	18.6fcd	14.2fcd	11.3fcd	9.1fcd	7.5fcd	6.3fcd	5.4fcd	4.7fcd	4.1fcd	3.6fcd	3.2fcd	2.8fcd	2.5fcd	2.3fcd

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°
9814	9750	9529	9158	8670	8088	7437	6748	6048	5368	4705	4087	3523	3023	2577	2180	1837	1541	1285	1059
100%	99%	97%	93%	88%	82%	76%	69%	62%	55%	48%	42%	36%	31%	26%	22%	19%	16%	13%	11%

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°
9814	9735	9486	9081	8554	7929	7236	6511	5784	5081	4414	3809	3264	2775	2332	1944	1597	1287	1019	795
100%	99%	97%	93%	87%	81%	74%	66%	59%	52%	45%	39%	33%	28%	24%	20%	16%	13%	10%	8%

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°
9814	9723	9477	9099	8604	8017	7372	6701	6024	5353	4715	4118	3572	3076	2630	2234	1889	1583	1316	1081
100%	99%	97%	93%	88%	82%	75%	68%	61%	55%	48%	42%	36%	31%	27%	23%	19%	16%	13%	11%

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°
9814	9725	9466	9055	8519	7887	7199	6483	5772	5084	4429	3821	3272	2782	2352	1977	1656	1384	1148	951
100%	99%	96%	92%	87%	80%	73%	66%	59%	52%	45%	39%	33%	28%	24%	20%	17%	14%	12%	10%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
19°	37.9°	49.8°	99.8%	99.6%