

Light efficiency:

51 Lumen/Watt

Light quality:

CRI: 81.6

Color temperature:

3052 K

Output: 1972 lm

Peak: 14580 cd

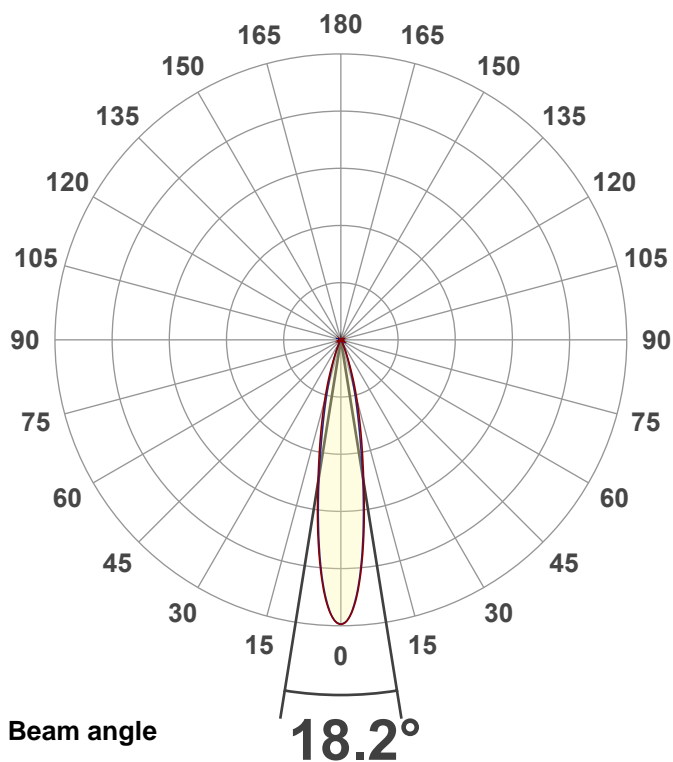
Power: 38.8 W

PF: 0.98



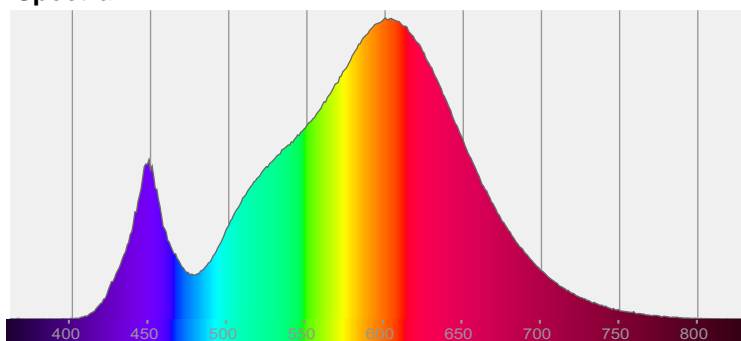
NU3-RA-SW-40LM-30K-80-20D-HCL-NL-WH

Date and time:
5/19/2022 10:27:05 AM

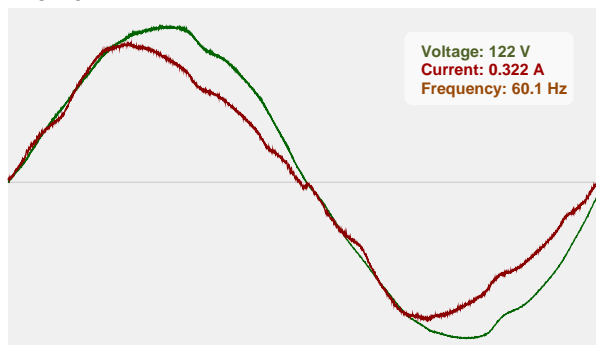


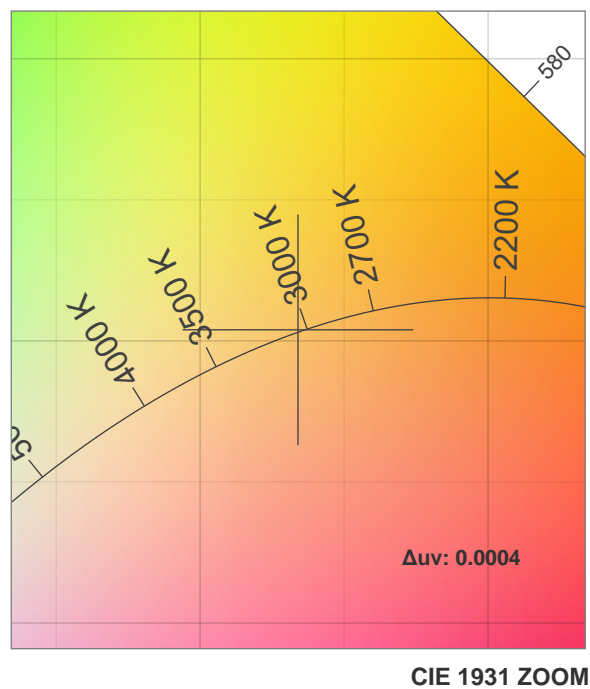
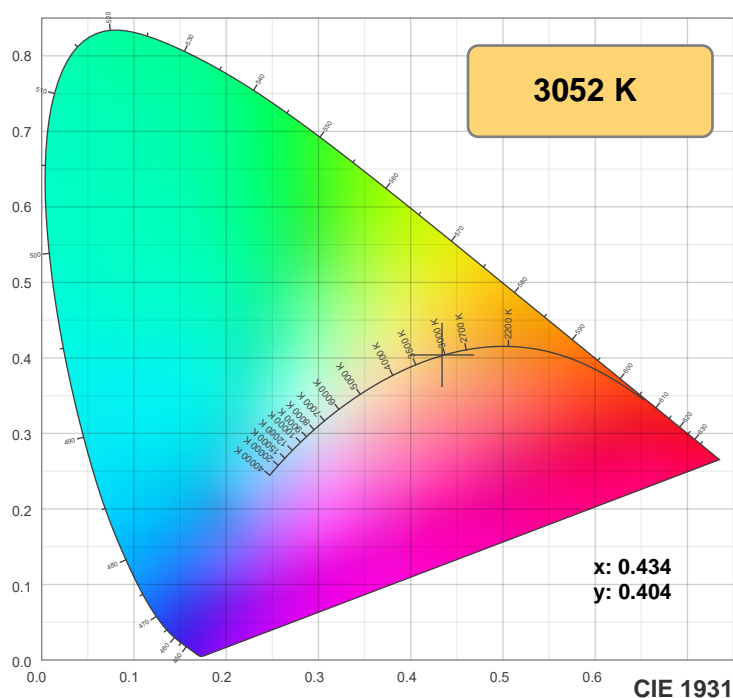
CIE 1931
x: 0.434
y: 0.404

Spectra

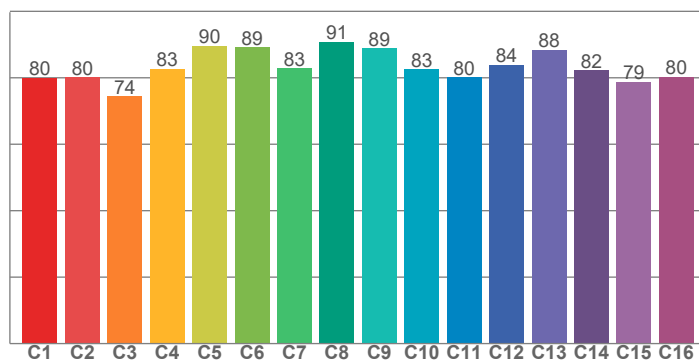


Power

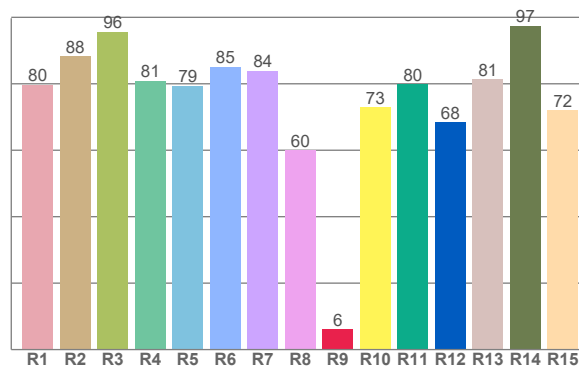




TM30: 83.3



CRI: 81.6 (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
79.7	88.2	95.7	80.9	79.4	85.1	84.0	60.1	6.2	72.9	79.9	68.4	81.4	97.4	72.0

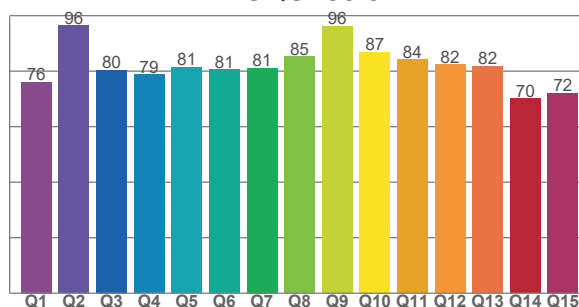
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
80.0	80.1	74.5	82.6	89.7	89.2	82.8	90.9	88.9	82.5	80.1	83.9	88.4	82.3	78.8	80.2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
76.1	96.5	80.5	78.8	81.4	80.6	81.1	85.2	96.2	86.8	84.2	82.3	81.8	70.2	72.1

CQS: 80.8



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
3052 K	81.6	6.2	83.3	97.7	80.8	0.434	0.404	0.249	0.347	0.0004

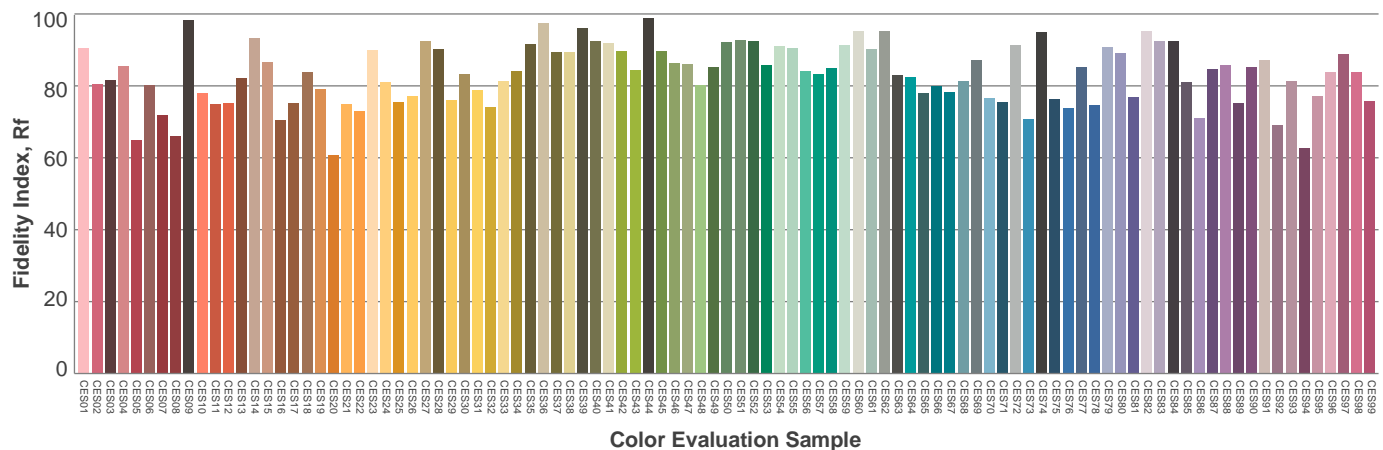
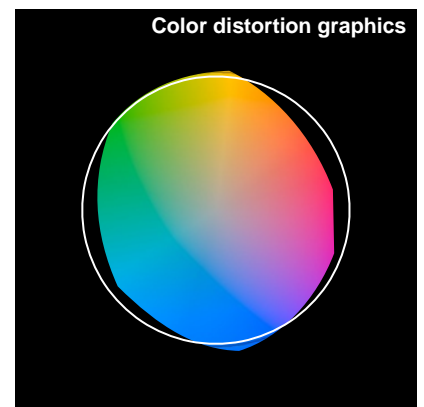
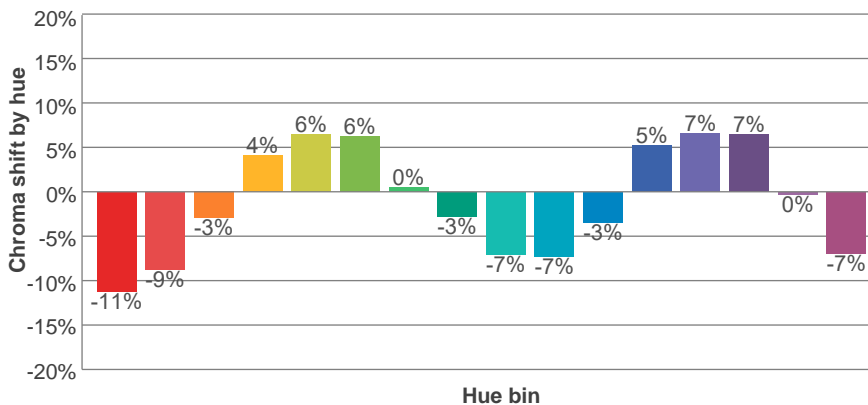
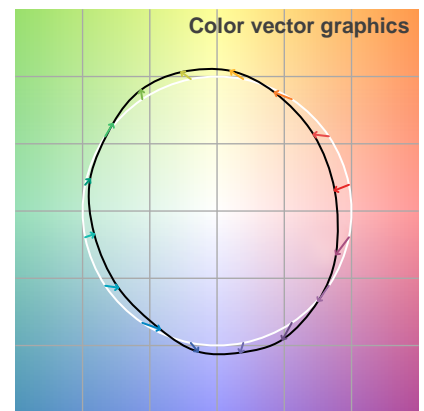
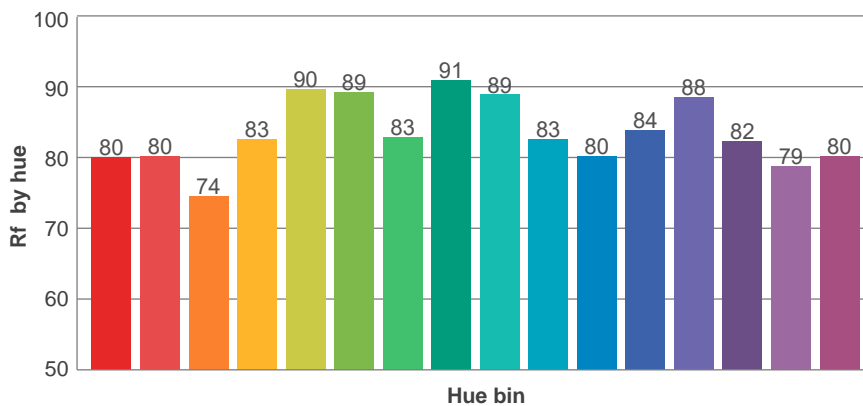
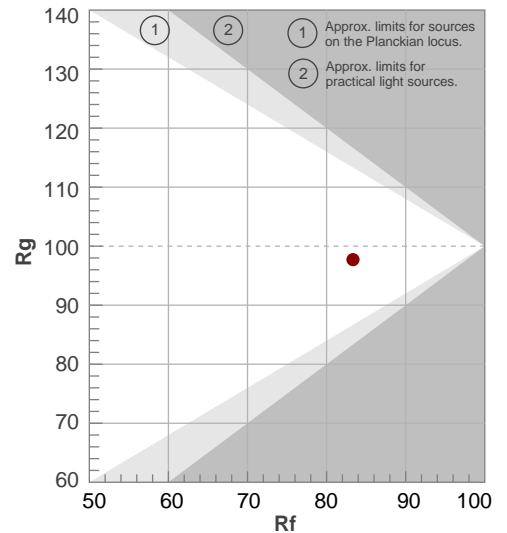
Rf 83.3

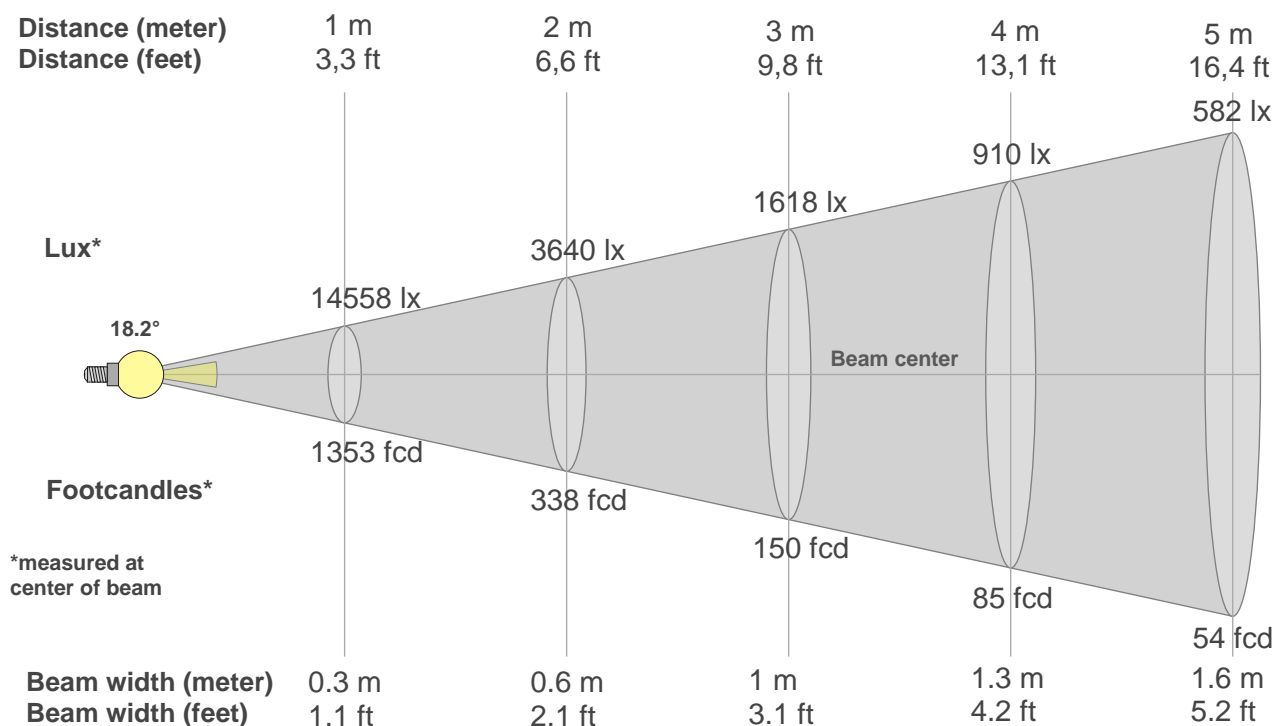
Fidelity index Rf

Rg 97.7

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	80	-11%	-2%
2	80	-9%	7%
3	74	-3%	13%
4	83	4%	10%
5	90	6%	6%
6	89	6%	-3%
7	83	0%	-11%
8	91	-3%	-5%
9	89	-7%	-1%
10	83	-7%	7%
11	80	-3%	14%
12	84	5%	6%
13	88	7%	-4%
14	82	7%	-13%
15	79	0%	-14%
16	80	-7%	-14%





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
14558lx	3640lx	1618lx	910lx	582lx	404lx	297lx	227lx	180lx	146lx	120lx	101lx	86lx	74lx	65lx	57lx	50lx	45lx	40lx	36lx
1352.5fcd	338.1fcd	150.3fcd	84.5fcd	54.1fcd	37.6fcd	27.6fcd	21.1fcd	16.7fcd	13.5fcd	11.2fcd	9.4fcd	8fcd	6.9fcd	6fcd	5.3fcd	4.7fcd	4.2fcd	3.7fcd	3.4fcd

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°
14.6K	14.4K	14.1K	13.5K	12.8K	11.9K	10.8K	9.7K	8.6K	7.5K	6.6K	5.7K	5.0K	4.3K	3.7K	3.2K	2.7K	2.3K	1.8K	1.5K
100%	99%	97%	93%	88%	81%	74%	67%	59%	52%	45%	39%	34%	30%	26%	22%	19%	15%	13%	10%

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°
14.6K	14.4K	14.1K	13.5K	12.7K	11.7K	10.6K	9.4K	8.3K	7.2K	6.1K	5.2K	4.4K	3.7K	3.1K	2.6K	2.2K	1.8K	1.5K	1.2K
100%	99%	97%	93%	87%	80%	73%	65%	57%	49%	42%	36%	30%	26%	22%	18%	15%	12%	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°
14.6K	14.4K	14.1K	13.5K	12.8K	11.9K	10.8K	9.7K	8.6K	7.5K	6.6K	5.7K	5.0K	4.3K	3.7K	3.2K	2.7K	2.3K	1.8K	1.5K
100%	99%	97%	93%	88%	81%	74%	67%	59%	52%	45%	39%	34%	30%	26%	22%	19%	15%	13%	10%

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°
14.6K	14.4K	14.1K	13.5K	12.7K	11.7K	10.6K	9.4K	8.3K	7.2K	6.1K	5.2K	4.4K	3.7K	3.1K	2.6K	2.2K	1.8K	1.5K	1.2K
100%	99%	97%	93%	87%	80%	73%	65%	57%	49%	42%	36%	30%	26%	22%	18%	15%	12%	10%	8%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18.2°	37.1°	48.6°	99.8%	99.6%