

Light efficiency:

77 Lumen/Watt

Light quality:

CRI: 81.5

Color temperature:

3062 K

Output: 2905 lm

Peak: 9321 cd

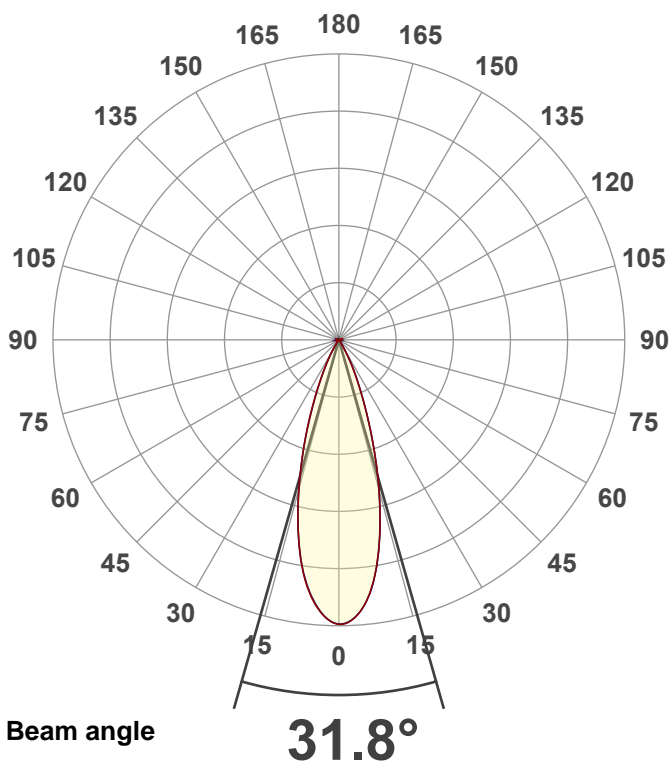
Power: 37.8 W

PF: 0.98



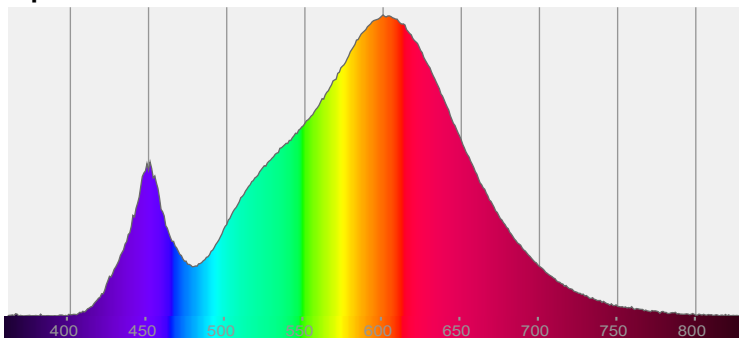
NU3-RA-SW-40LM-30K-80-35D-NA-CL-WH

Date and time:  
5/12/2022 11:09:13 AM

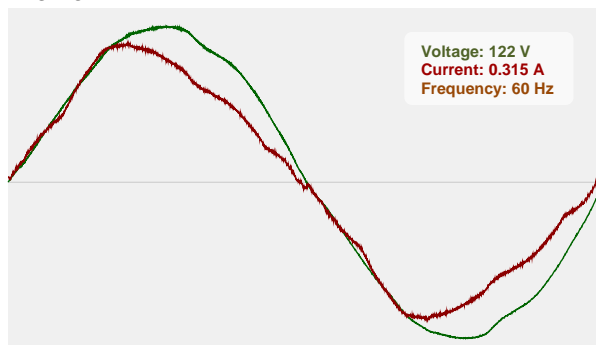


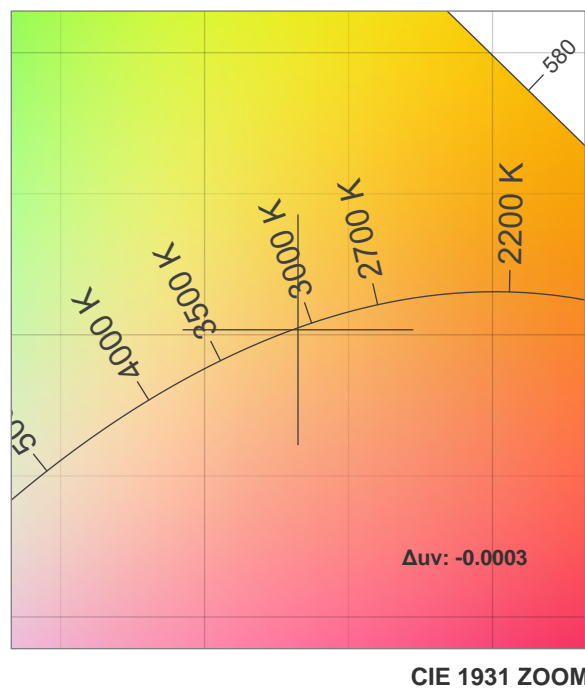
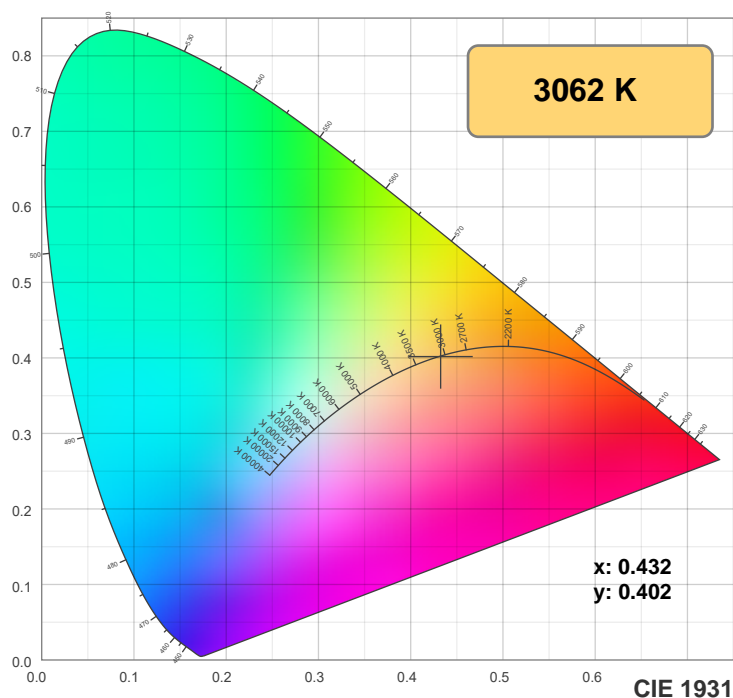
CIE 1931  
x: 0.432  
y: 0.402

Spectra

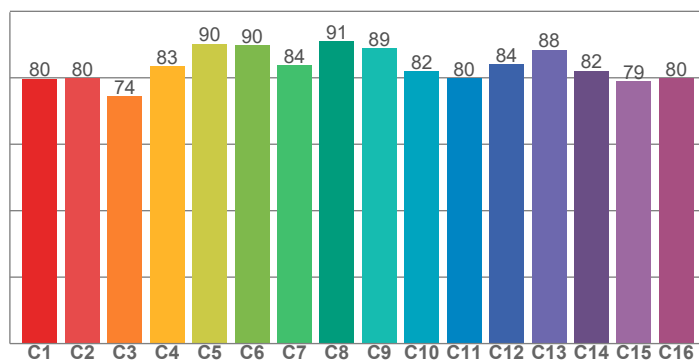


Power

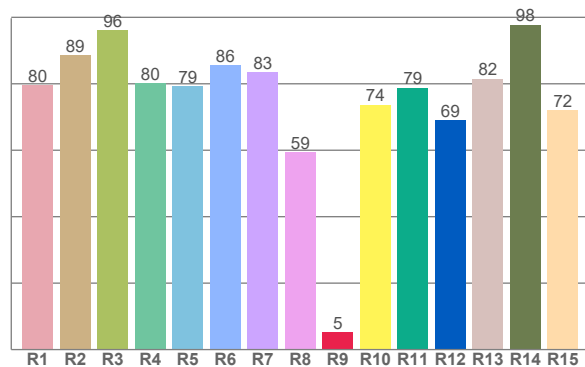




TM30: 83.4



CRI: 81.5 (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
79.6	88.7	96.0	80.2	79.3	85.5	83.5	59.4	5.3	73.7	78.8	69.0	81.5	97.7	72.0

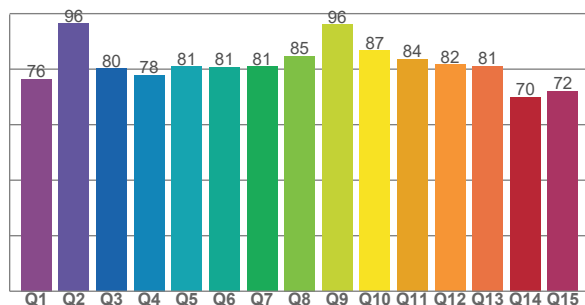
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
79.7	79.8	74.4	83.4	90.2	89.8	83.8	90.9	88.9	81.9	79.9	84.0	88.5	82.1	78.9	79.9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
76.4	96.4	80.2	77.9	80.9	80.7	80.9	84.8	96.1	86.7	83.6	81.6	81.1	70.0	72.0

CQS: 80.5



## 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
3062 K	81.5	5.3	83.4	97.3	80.5	0.432	0.402	0.249	0.347	-0.0003

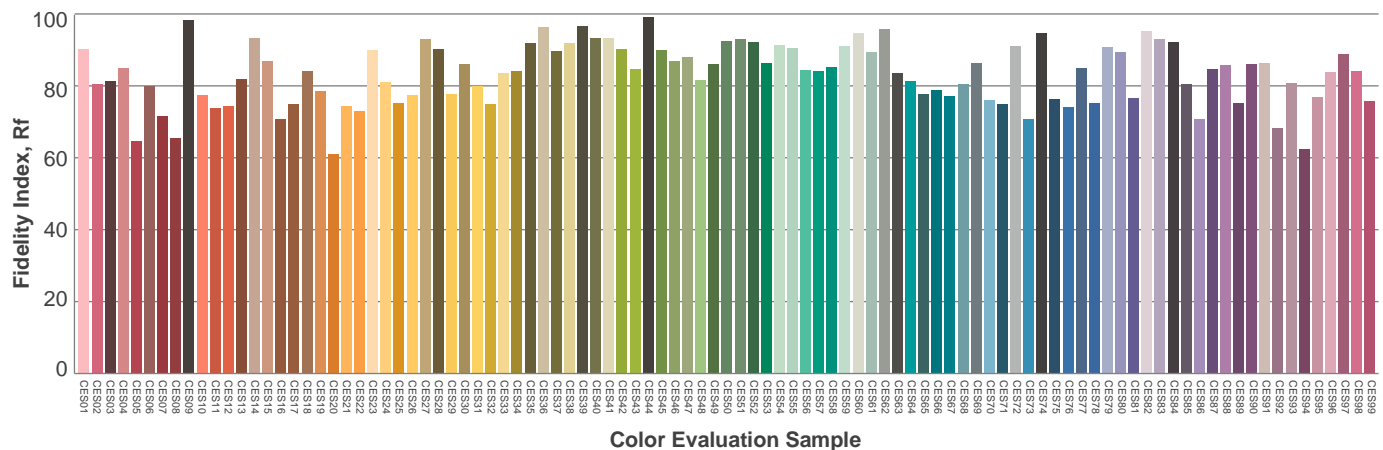
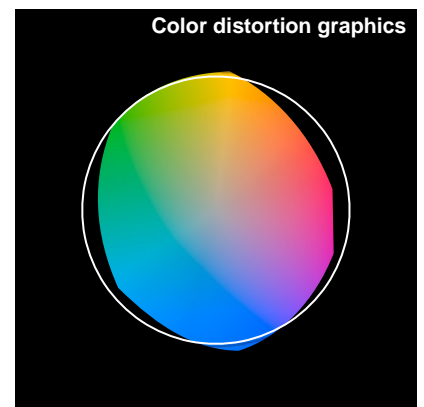
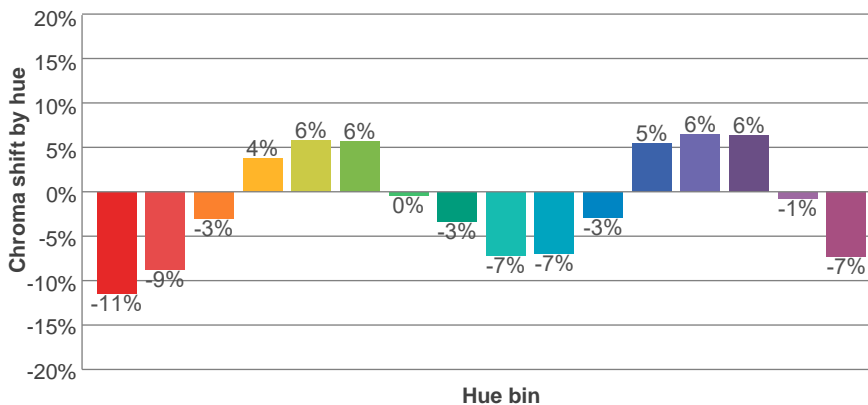
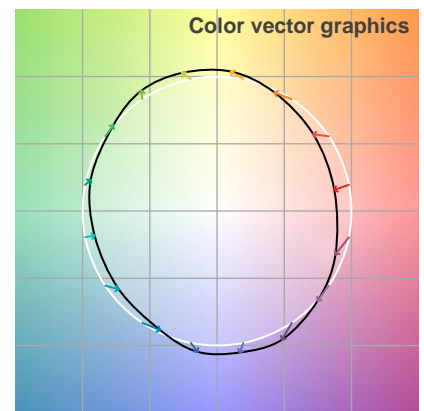
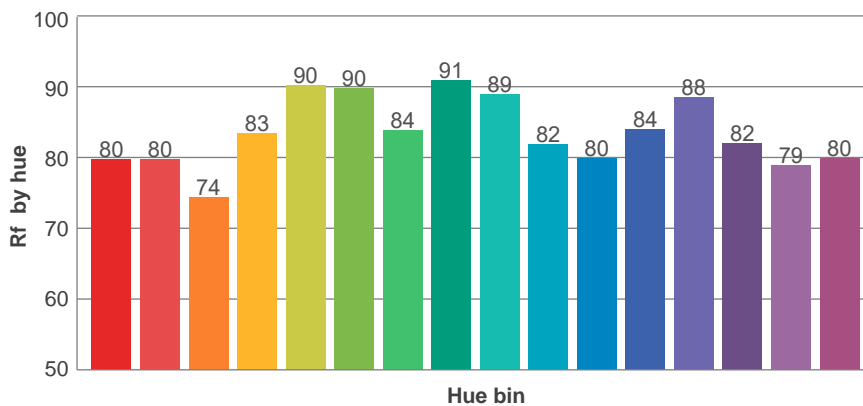
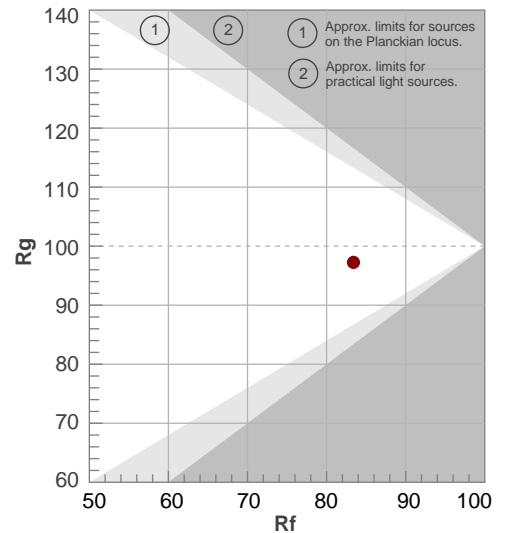
**Rf 83.4**

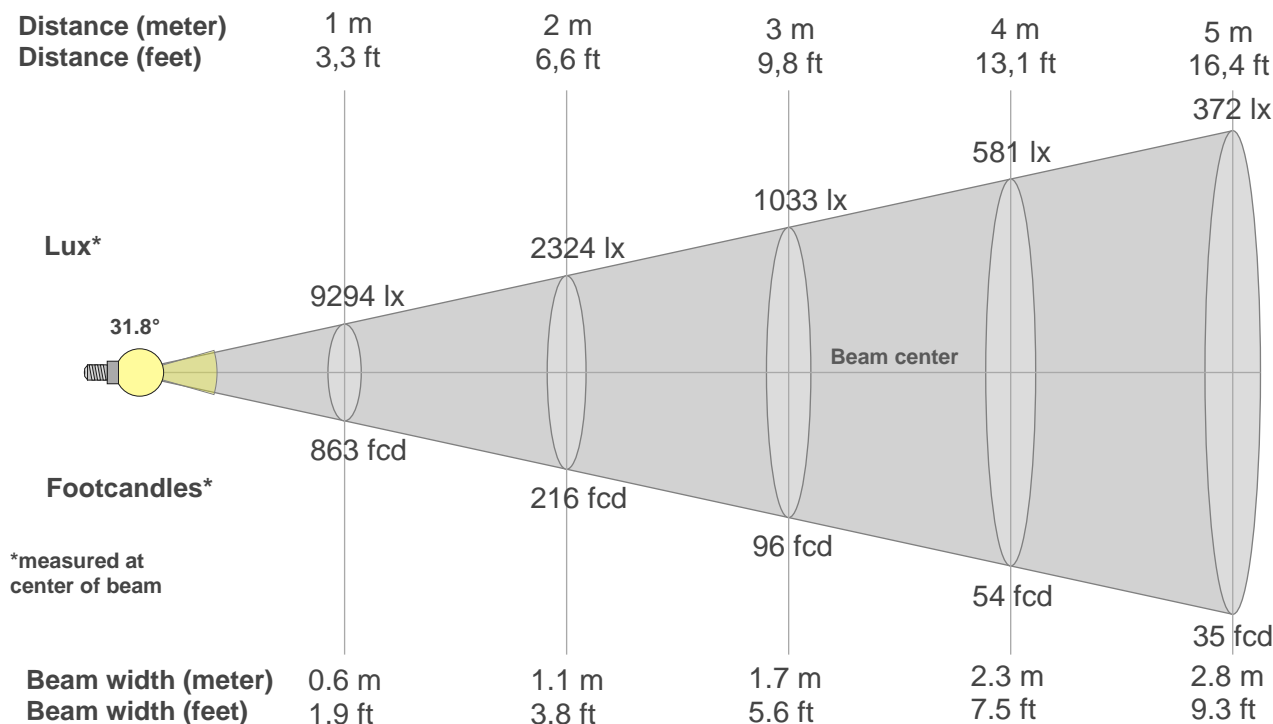
Fidelity index Rf

**Rg 97.3**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	80	-11%	-2%
2	80	-9%	8%
3	74	-3%	13%
4	83	4%	10%
5	90	6%	6%
6	90	6%	-3%
7	84	0%	-10%
8	91	-3%	-4%
9	89	-7%	0%
10	82	-7%	8%
11	80	-3%	14%
12	84	5%	6%
13	88	6%	-4%
14	82	6%	-13%
15	79	-1%	-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
9294lx	2324lx	1033lx	581lx	372lx	258lx	190lx	145lx	115lx	93lx	77lx	65lx	55lx	47lx	41lx	36lx	32lx	29lx	26lx	23lx
863.5fcd	215.9fcd	95.9fcd	54fcd	34.5fcd	24fcd	17.6fcd	13.5fcd	10.7fcd	8.6fcd	7.1fcd	6fcd	5.1fcd	4.4fcd	3.8fcd	3.4fcd	3fcd	2.7fcd	2.4fcd	2.2fcd

#### 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°
9294	9243	9012	8598	8016	7289	6449	5539	4618	3696	2867	2148	1562	1104	711	409	229	129	76	46
100%	99%	97%	93%	86%	78%	69%	60%	50%	40%	31%	23%	17%	12%	8%	4%	2%	1%	1%	0%

#### 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°
9294	9217	8982	8591	8038	7312	6447	5528	4597	3687	2845	2131	1571	1138	766	463	252	135	78	48
100%	99%	97%	92%	86%	79%	69%	59%	49%	40%	31%	23%	17%	12%	8%	5%	3%	1%	1%	1%

#### 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°
9294	9171	8895	8486	7947	7229	6396	5514	4619	3747	2941	2226	1639	1166	796	509	283	152	92	61
100%	99%	96%	91%	86%	78%	69%	59%	50%	40%	32%	24%	18%	13%	9%	5%	3%	2%	1%	1%

#### 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°
9294	9190	8881	8448	7892	7207	6400	5514	4598	3729	2903	2171	1579	1101	750	467	267	146	85	54
100%	99%	96%	91%	85%	78%	69%	59%	49%	40%	31%	23%	17%	12%	8%	5%	3%	2%	1%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
31.8°	54°	64.7°	99.8%	99.4%