

Light efficiency:

74 Lumen/Watt

Light quality:

CRI: 84.2

Color temperature:

3024 K

Output: 1670 lm

Peak: 2644 cd

Power: 22.7 W

PF: 0.97

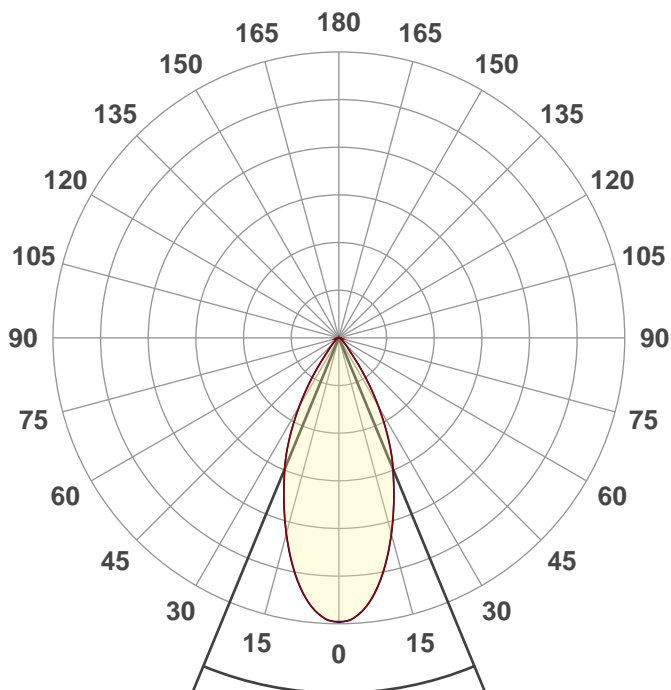


Product name:

NU3-RD-SW-27LM-30K-80-D45-120-NC-WH-WH

Date and time:

12/15/2018 11:21:02 AM



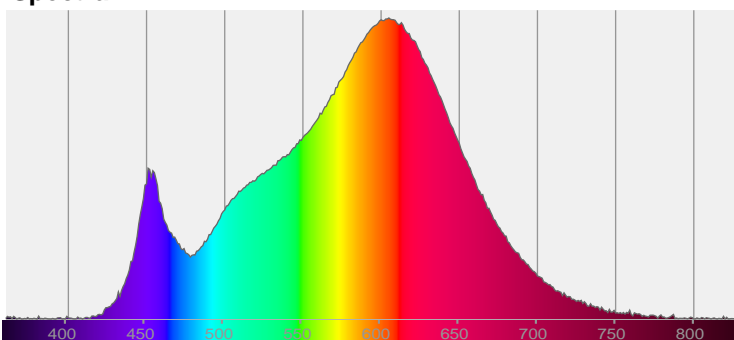
Beam angle

44.9°

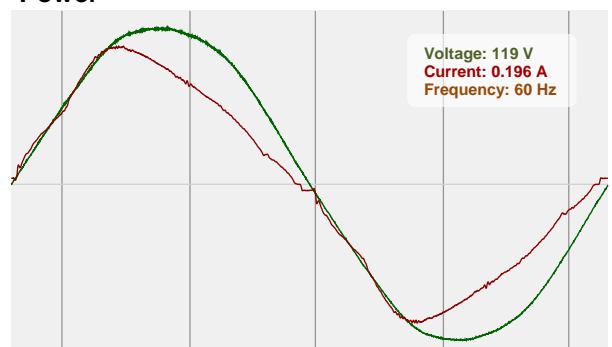


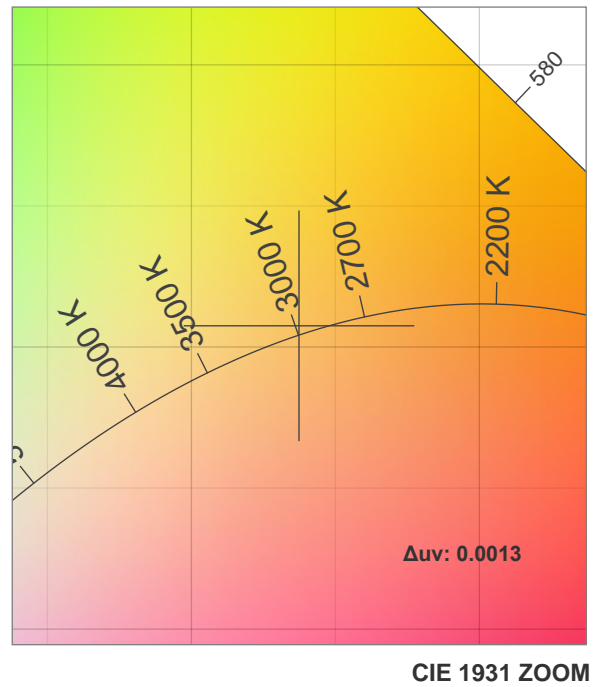
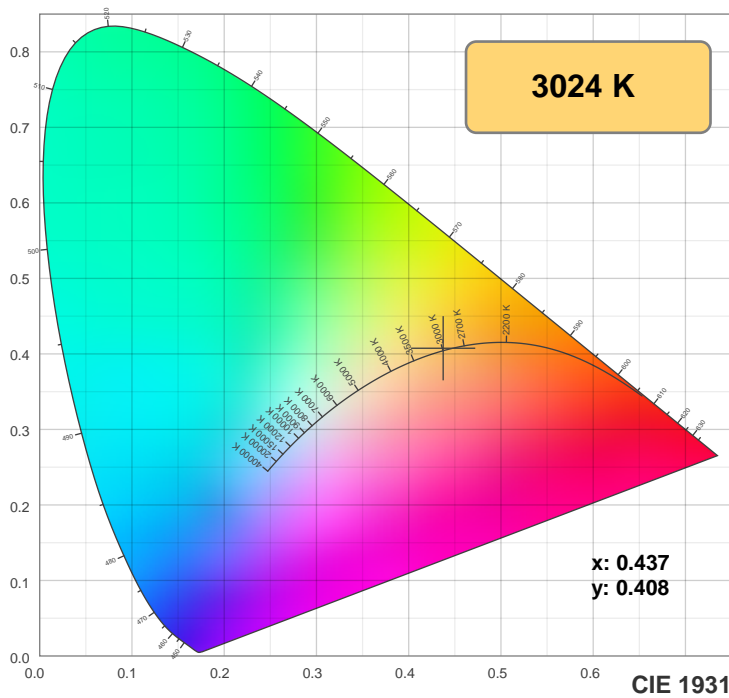
CIE 1931
x: 0.437
y: 0.408

Spectra

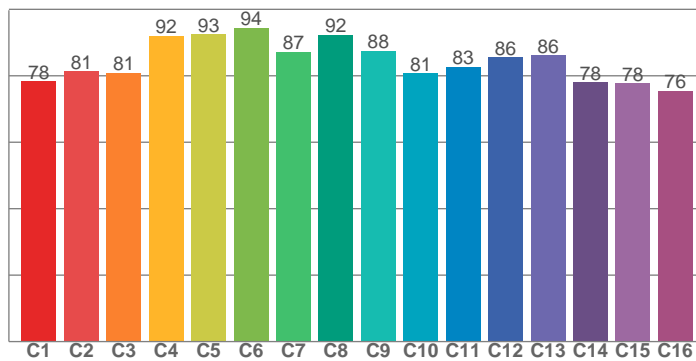


Power

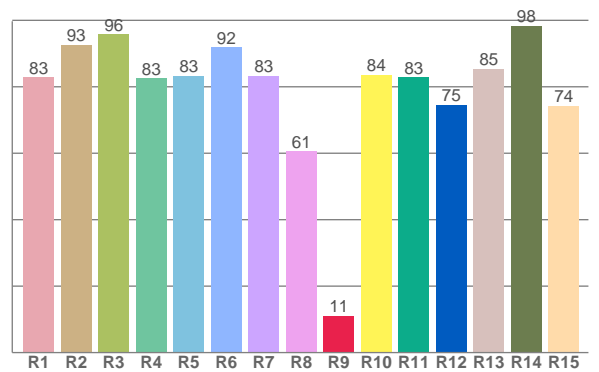




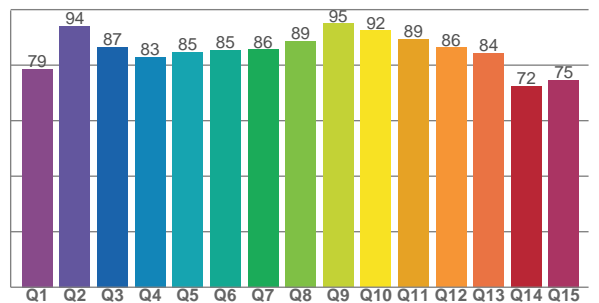
TM30: 84.8



CRI: 84.2 (R1-R8)



CQS: 84.0



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
82.9	92.7	95.9	82.6	83.3	91.9	83.3	60.7	11.1	83.6	82.9	74.6	85.4	98.3	74.3

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
78.3	81.4	80.9	91.9	92.5	94.4	87.2	92.3	87.5	80.8	82.7	85.6	86.1	78.1	77.7	75.5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
78.5	94.2	86.6	82.9	84.7	85.4	85.6	88.7	94.9	92.5	89.3	86.3	84.3	72.4	74.7

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
3024 K	84.2	11.1	84.8	94.6	84.0	0.437	0.408	0.249	0.349	0.0013

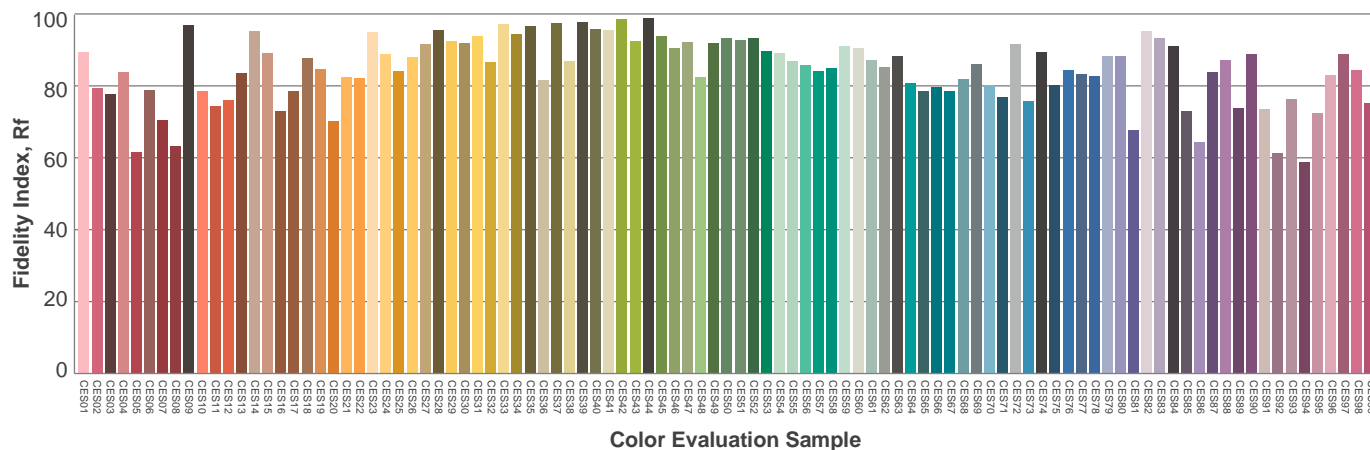
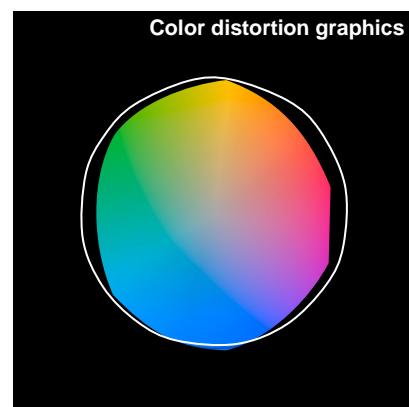
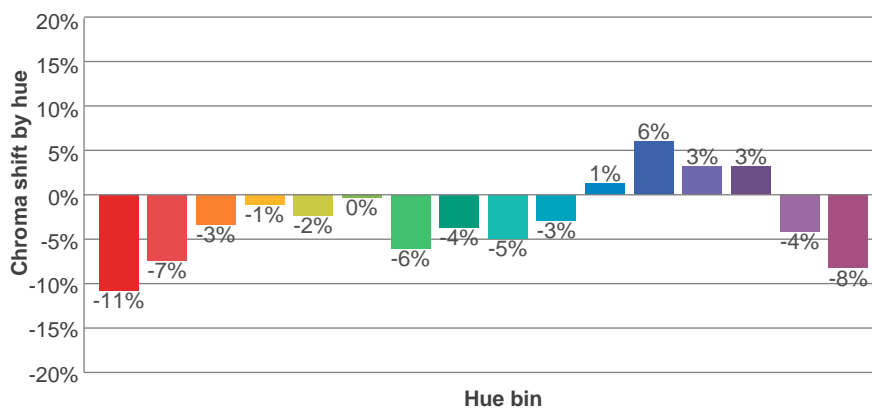
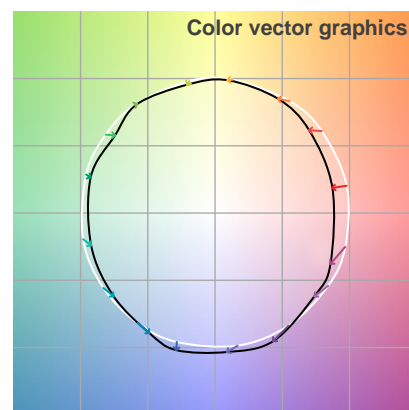
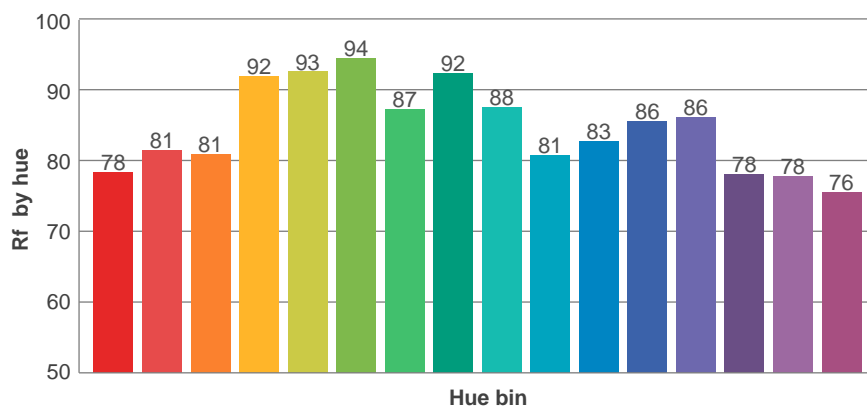
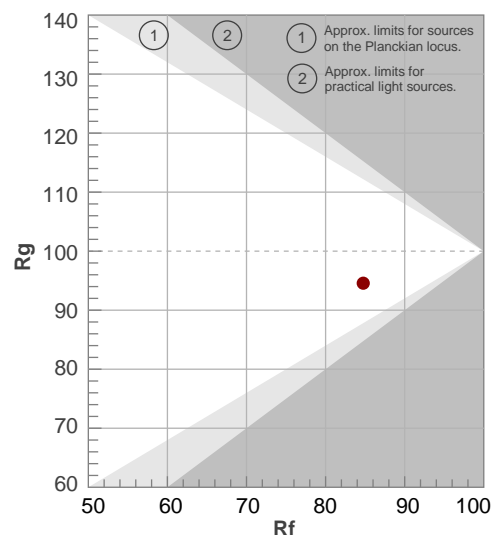
Rf 84.8

Fidelity index Rf

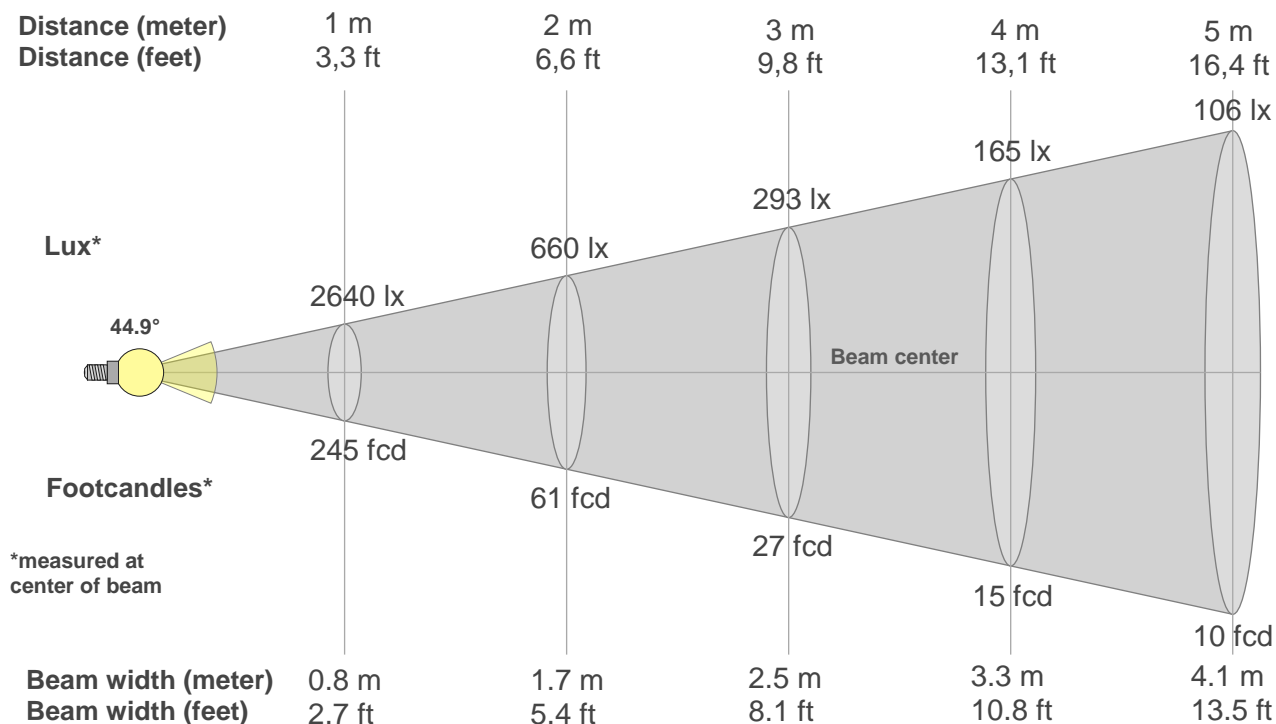
Rg 94.6

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	78	-11%	1%
2	81	-7%	6%
3	81	-3%	8%
4	92	-1%	4%
5	93	-2%	2%
6	94	0%	-2%
7	87	-6%	-3%
8	92	-4%	1%
9	88	-5%	6%
10	81	-3%	9%
11	83	1%	11%
12	86	6%	1%
13	86	3%	-9%
14	78	3%	-16%
15	78	-4%	-12%
16	76	-8%	-15%



Beam Details



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
2640lx	660lx	293lx	165lx	106lx	73lx	54lx	41lx	33lx	26lx	22lx	18lx	16lx	13lx	12lx	10lx	9lx	8lx	7lx	7lx
245.2fcd	61.3fcd	27.2fcd	15.3fcd	9.8fcd	6.8fcd	5fcd	3.8fcd	3fcd	2.5fcd	2fcd	1.7fcd	1.5fcd	1.3fcd	1.1fcd	1fcd	0.8fcd	0.8fcd	0.7fcd	0.6fcd

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°
2640	2628	2580	2501	2394	2263	2118	1964	1807	1649	1496	1352	1210	1055	895	736	584	439	314	217
100%	100%	98%	95%	91%	86%	80%	74%	68%	62%	57%	51%	46%	40%	34%	28%	22%	17%	12%	8%

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°
2640	2627	2580	2502	2397	2270	2124	1968	1809	1650	1495	1347	1210	1053	892	734	586	448	319	215
100%	100%	98%	95%	91%	86%	80%	75%	69%	63%	57%	51%	46%	40%	34%	28%	22%	17%	12%	8%

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°
2640	2628	2580	2501	2394	2263	2118	1964	1807	1649	1496	1352	1210	1055	895	736	584	439	314	217
100%	100%	98%	95%	91%	86%	80%	74%	68%	62%	57%	51%	46%	40%	34%	28%	22%	17%	12%	8%

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°
2640	2627	2580	2502	2397	2270	2124	1968	1809	1650	1495	1347	1210	1053	892	734	586	448	319	215
100%	100%	98%	95%	91%	86%	80%	75%	69%	63%	57%	51%	46%	40%	34%	28%	22%	17%	12%	8%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44.9°	73.9°	94.5°	96.4%	92.9%