

Light efficiency:

73 Lumen/Watt

Light quality:

CRI: 80.0

Color temperature:

2957 K

Output: 3206 lm

Peak: 8120 cd

Power: 44.1 W

PF: 1.0

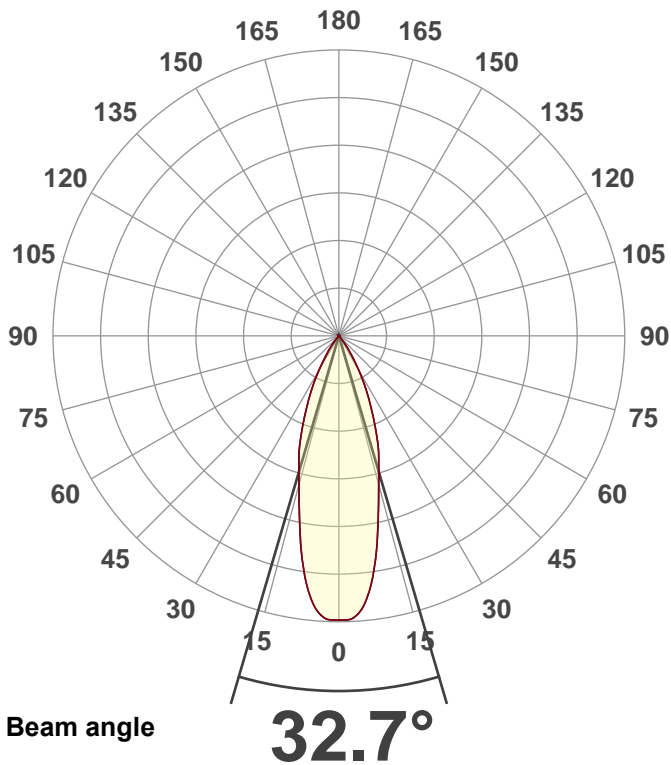


Product name:

NU4-RH-XTM19-40LM-30K-83-S30-120-DIM10-NC-WH

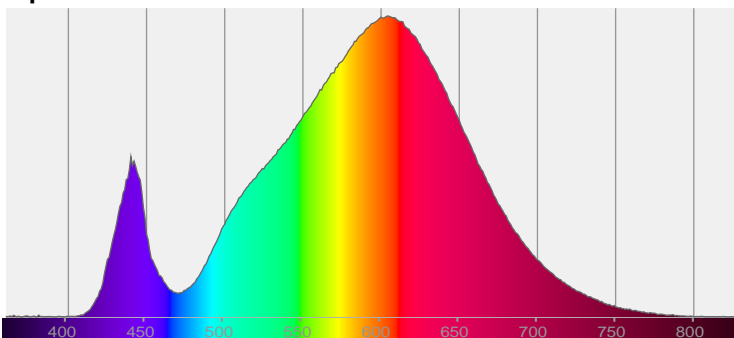
Date and time:

6/25/2018 11:48:36 AM

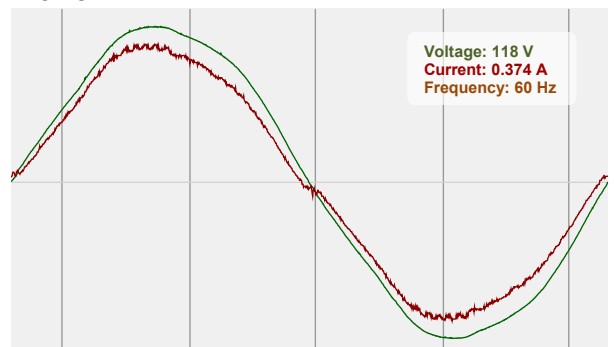


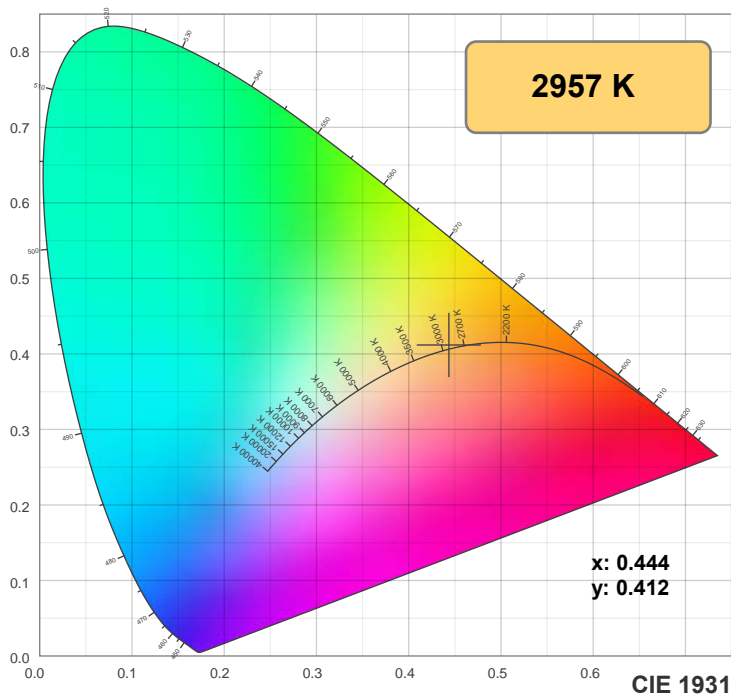
CIE 1931
x: 0.444
y: 0.412

Spectra

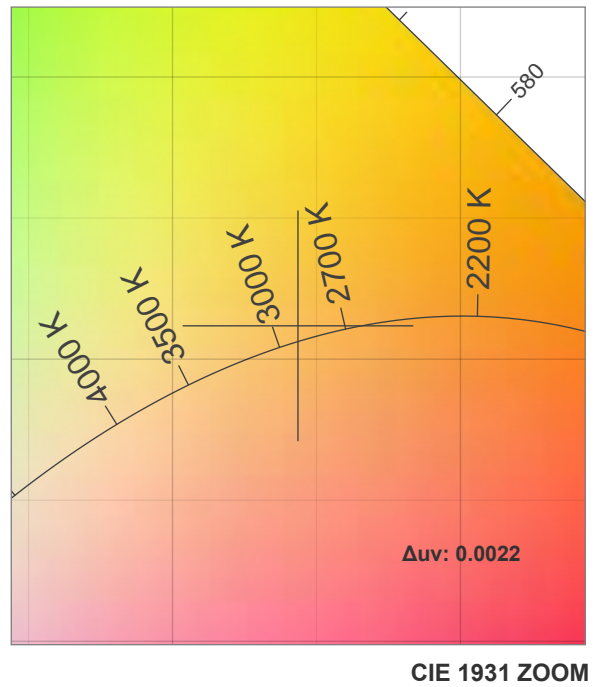
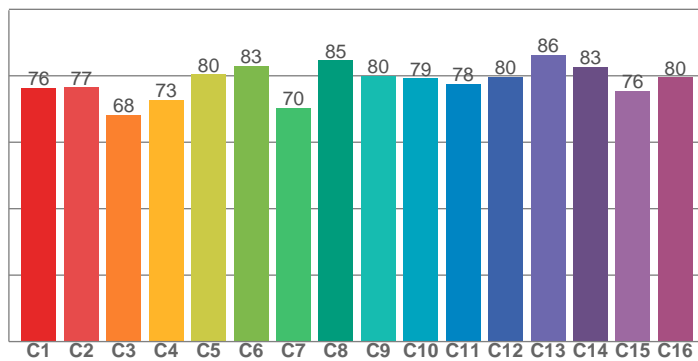


Power

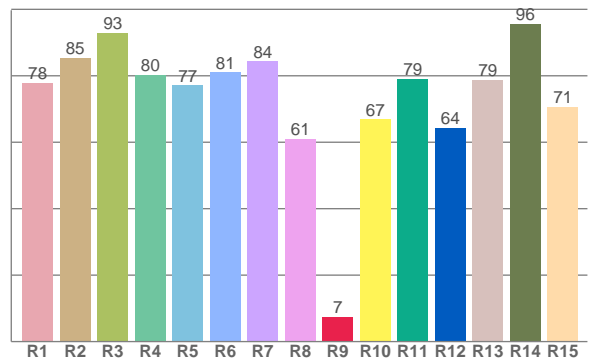




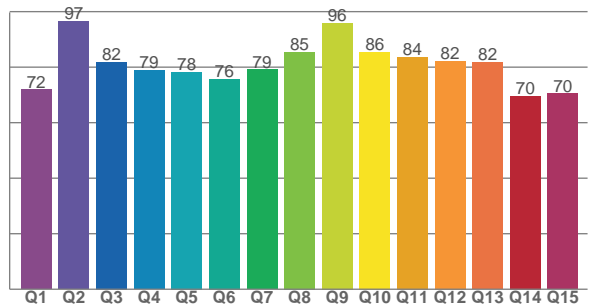
TM30: 78.0



CRI: 80.0 (R1-R8)



CQS: 79.5



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
77.9	85.4	93.0	80.4	77.2	81.0	84.4	61.1	7.4	67.0	79.1	64.4	78.8	95.7	70.7

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
76.3	76.5	68.3	72.8	80.4	82.9	70.3	84.6	80.0	79.2	77.6	79.6	86.3	82.6	75.5	79.5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
71.9	96.5	81.9	78.8	78.3	75.7	79.2	85.4	95.8	85.5	83.7	82.2	81.7	69.6	70.4

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
2957 K	80.0	7.4	78.0	98.8	79.5	0.444	0.412	0.252	0.350	0.0022

TM30 Details

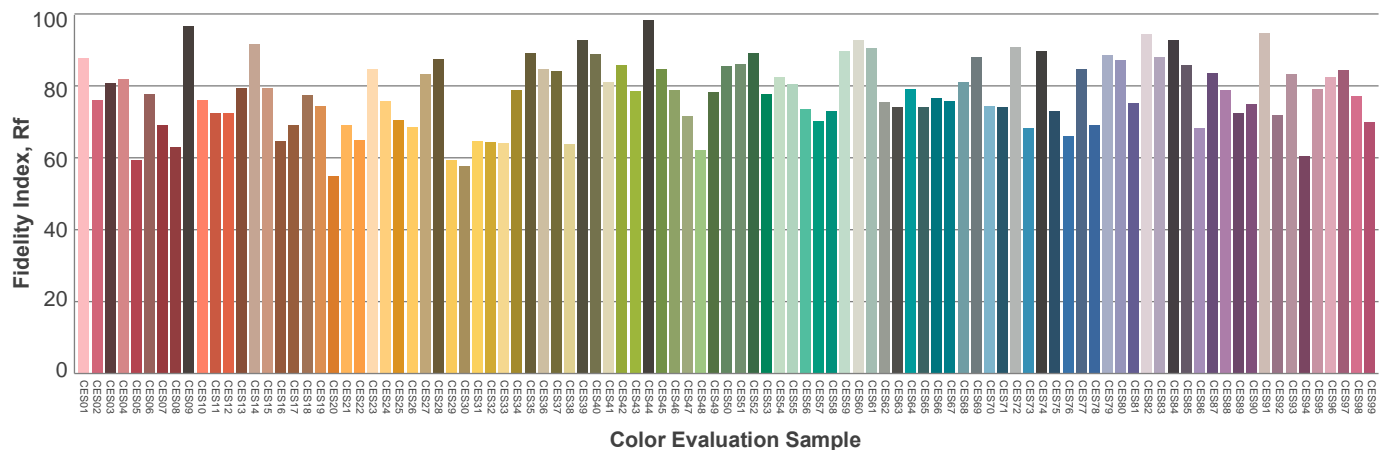
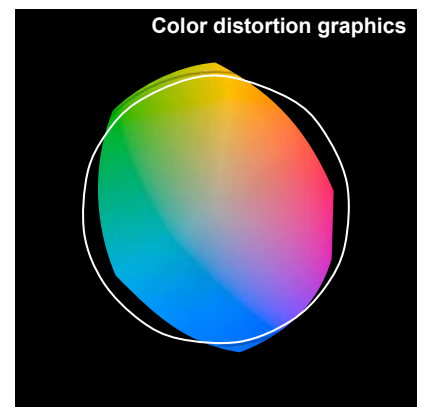
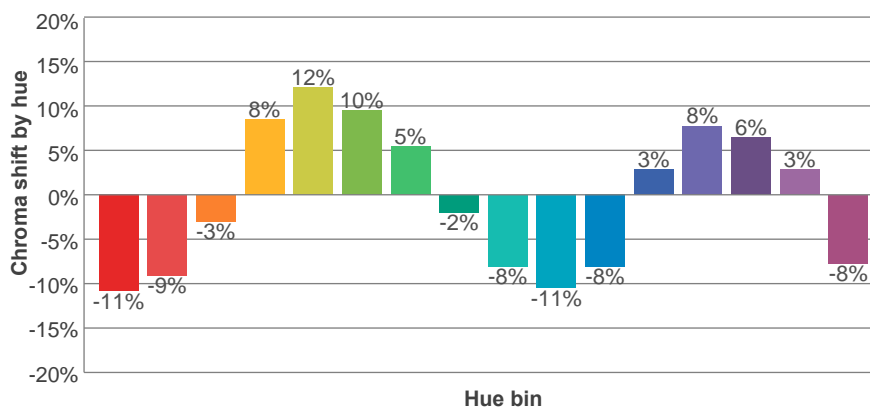
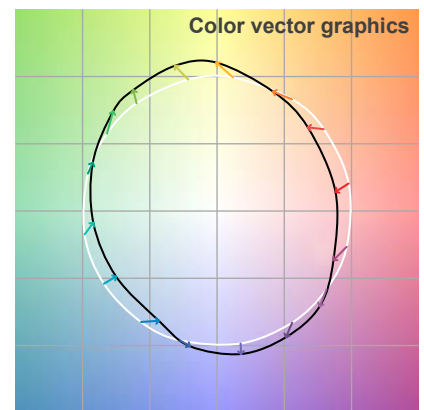
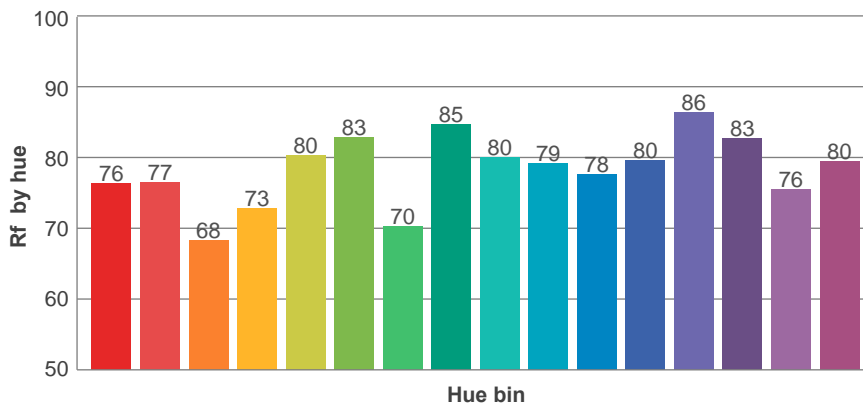
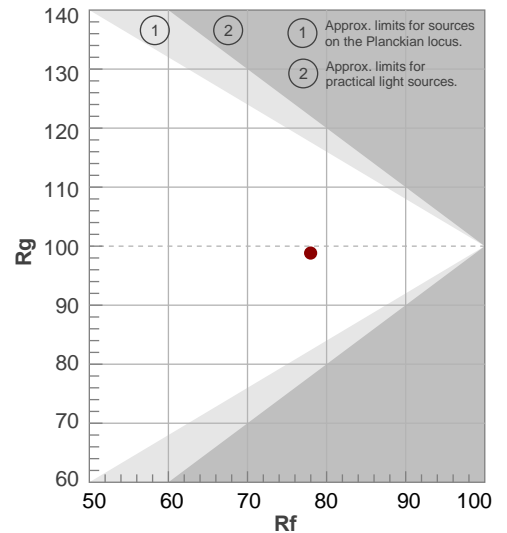
Rf 78.0

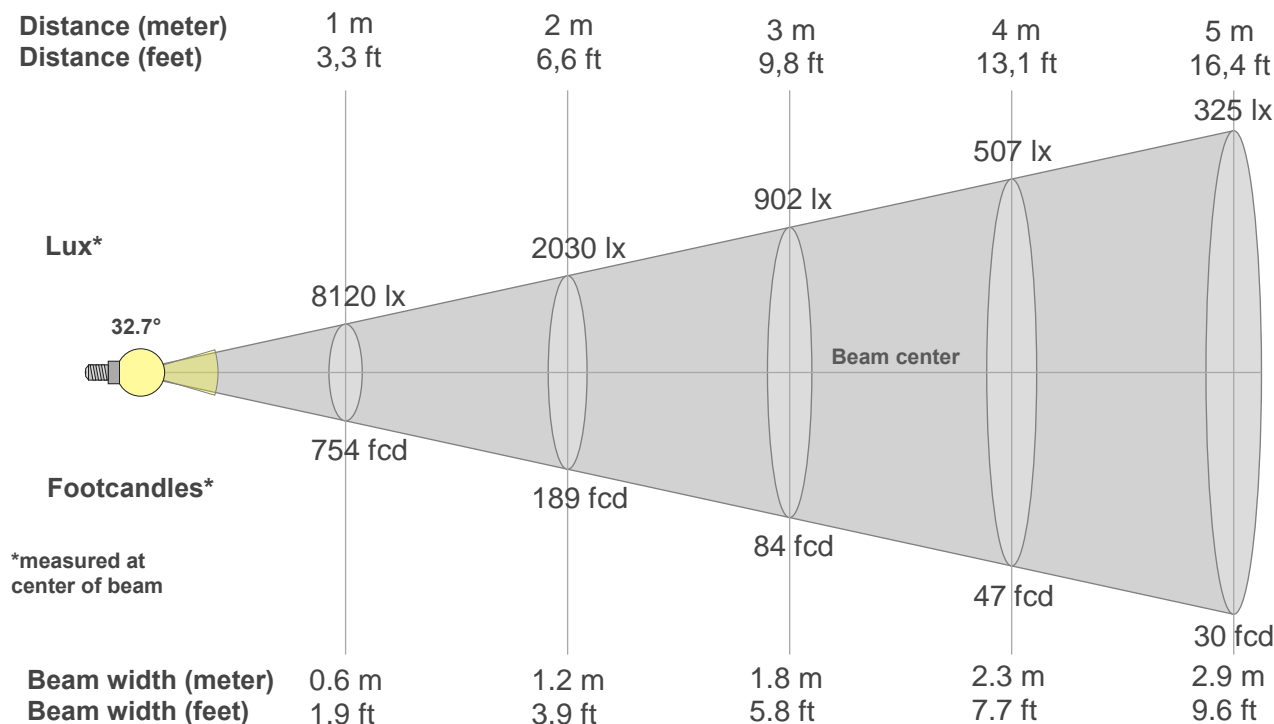
Fidelity index Rf

Rg 98.8

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	76	-11%	-4%
2	77	-9%	8%
3	68	-3%	15%
4	73	8%	14%
5	80	12%	8%
6	83	10%	-3%
7	70	5%	-16%
8	85	-2%	-9%
9	80	-8%	-7%
10	79	-11%	1%
11	78	-8%	10%
12	80	3%	8%
13	86	8%	-1%
14	83	6%	-10%
15	76	3%	-13%
16	80	-8%	-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
8120lx	2030lx	902lx	507lx	325lx	226lx	166lx	127lx	100lx	81lx	67lx	56lx	48lx	41lx	36lx	32lx	28lx	25lx	22lx	20lx
754.3fcd	188.6fcd	83.8fcd	47.1fcd	30.2fcd	21fcd	15.4fcd	11.8fcd	9.3fcd	7.5fcd	6.2fcd	5.2fcd	4.5fcd	3.8fcd	3.4fcd	2.9fcd	2.6fcd	2.3fcd	2.1fcd	1.9fcd

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°
8120	8097	7919	7532	6942	6203	5402	4713	4153	3688	3241	2746	2281	1885	1506	1147	829	577	397	201
100%	100%	98%	93%	85%	76%	67%	58%	51%	45%	40%	34%	28%	23%	19%	14%	10%	7%	5%	2%

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°
8120	8097	7919	7532	6942	6203	5402	4713	4153	3688	3241	2746	2281	1885	1506	1147	829	577	397	201
100%	100%	98%	93%	85%	76%	67%	58%	51%	45%	40%	34%	28%	23%	19%	14%	10%	7%	5%	2%

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°
8120	8097	7919	7532	6942	6203	5402	4713	4153	3688	3241	2746	2281	1885	1506	1147	829	577	397	201
100%	100%	98%	93%	85%	76%	67%	58%	51%	45%	40%	34%	28%	23%	19%	14%	10%	7%	5%	2%

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°
8120	8097	7919	7532	6942	6203	5402	4713	4153	3688	3241	2746	2281	1885	1506	1147	829	577	397	201
100%	100%	98%	93%	85%	76%	67%	58%	51%	45%	40%	34%	28%	23%	19%	14%	10%	7%	5%	2%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
32.7°	64.2°	76°	99.8%	99.7%