

Light efficiency:

52 Lumen/Watt

Light quality:

CRI: 84.2

Color temperature:

2927 K

Output: 887 lm

Peak: 7909 cd

Power: 17.0 W

PF: 0.96

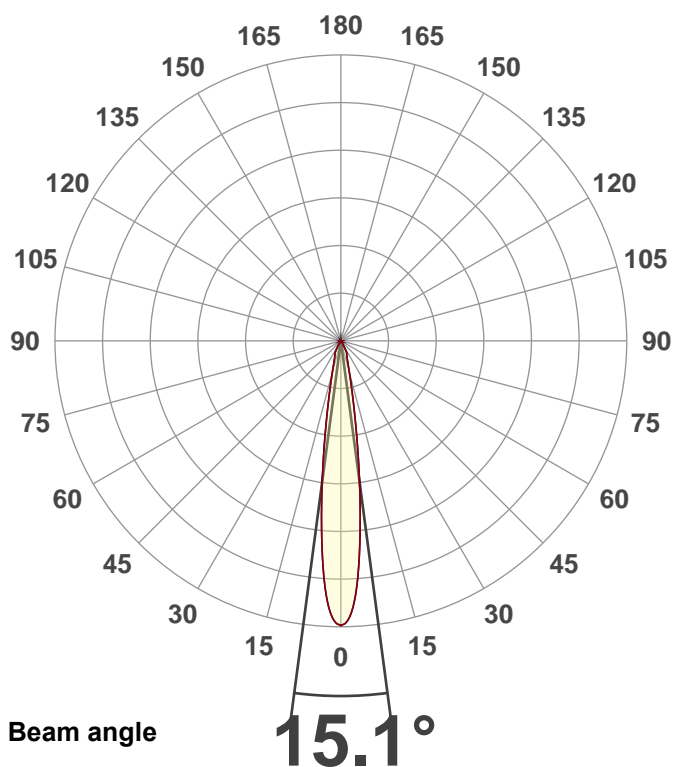


Product name:

NU4-RH-XTM09-10LM-30K-83-BKS15-120-DIM10-NC-WH

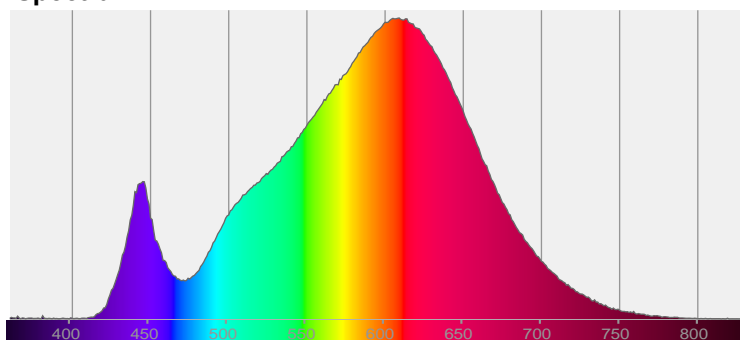
Date and time:

9/24/2018 3:14:08 PM

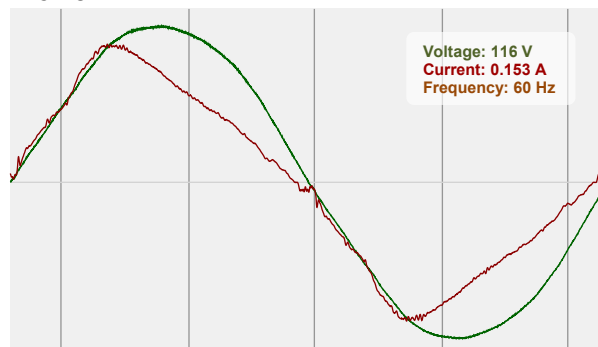


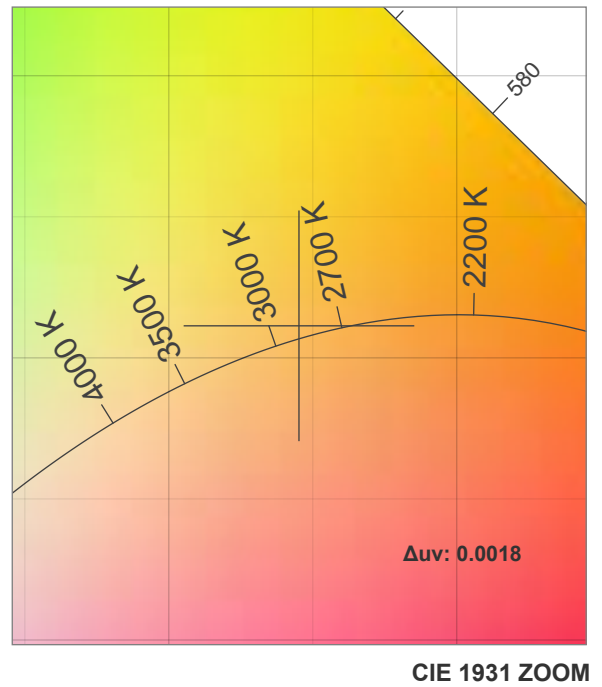
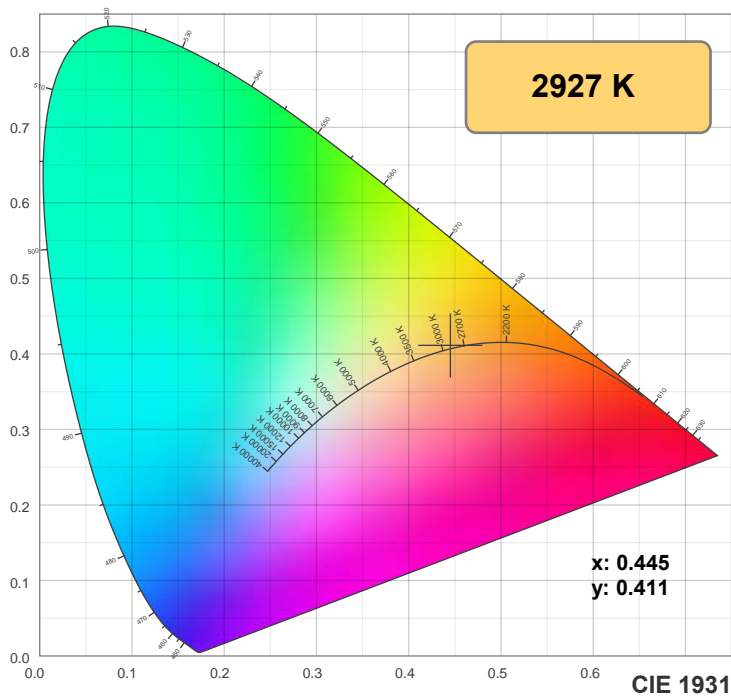
CIE 1931
x: 0.445
y: 0.411

Spectra

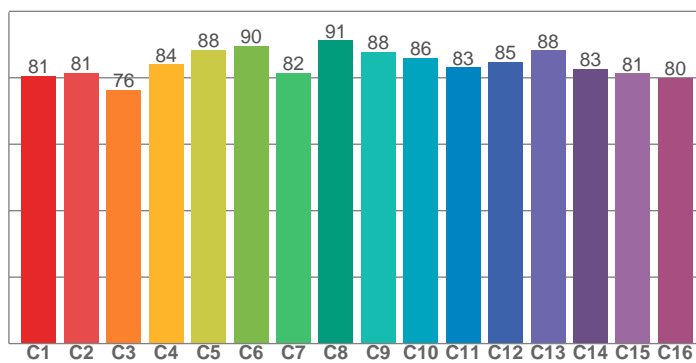


Power

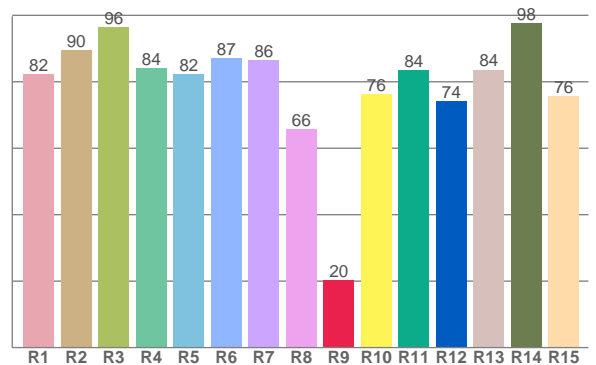




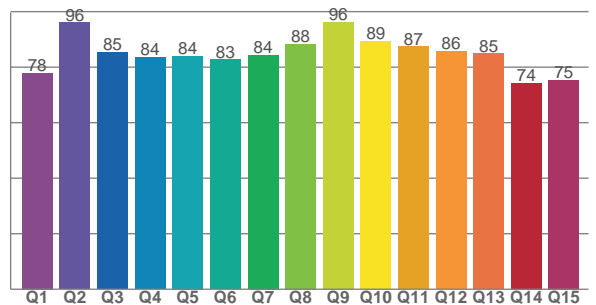
TM30: 84.1



CRI: 84.2 (R1-R8)



CQS: 83.7



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
82.3	89.5	96.4	84.1	82.2	87.1	86.5	65.7	20.3	76.2	83.5	74.1	83.6	97.6	75.6

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
80.6	81.5	76.4	84.0	88.4	89.6	81.5	91.3	87.7	86.0	83.2	84.8	88.3	82.6	81.4	80.0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77.9	96.1	85.4	83.6	84.0	82.8	84.4	88.3	96.3	89.4	87.5	85.7	84.9	74.2	75.4

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
2927 K	84.2	20.3	84.1	98.2	83.7	0.445	0.411	0.253	0.350	0.0018

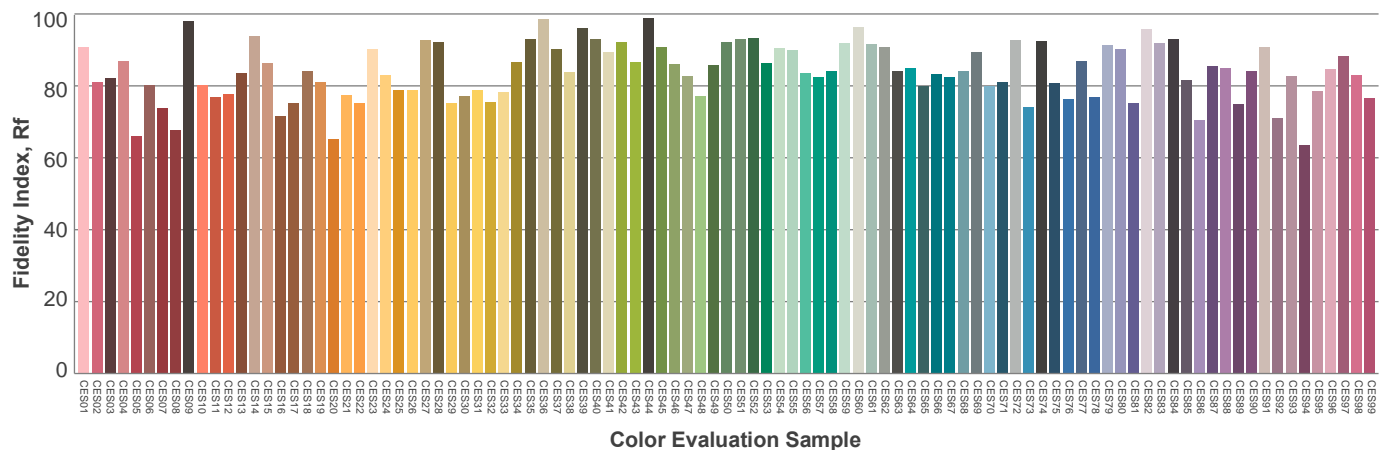
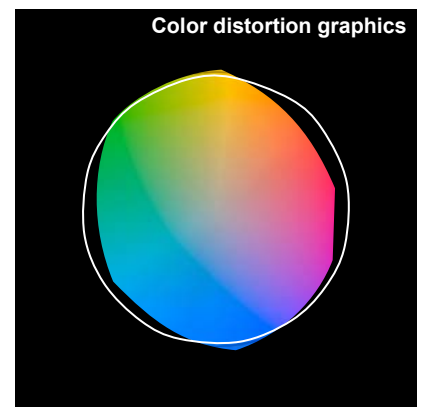
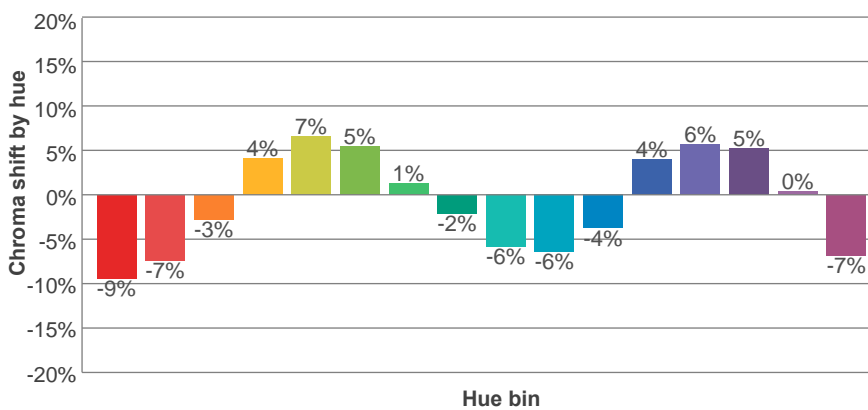
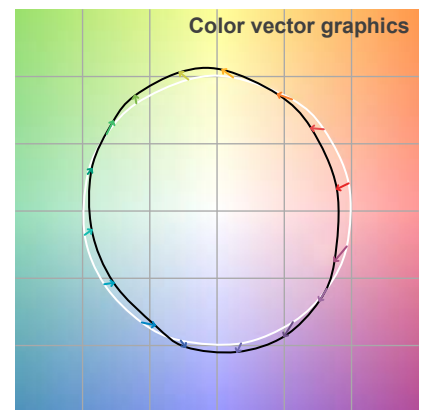
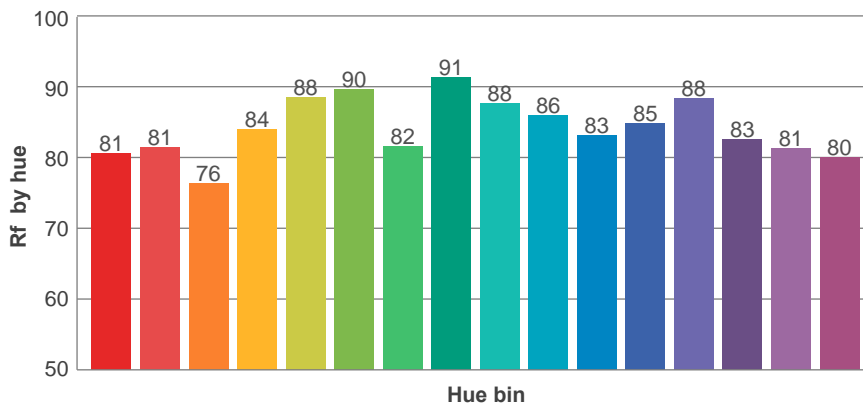
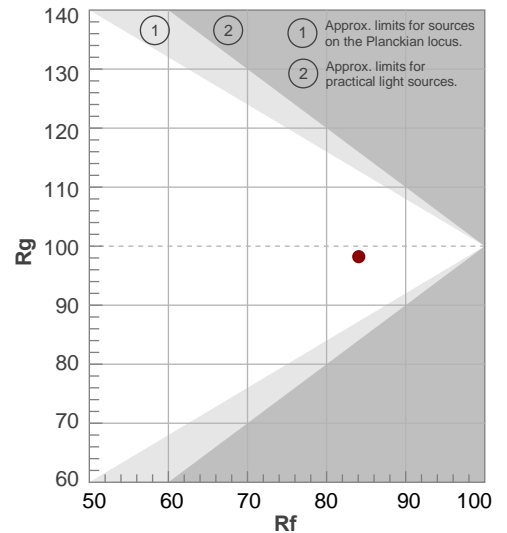
Rf 84.1

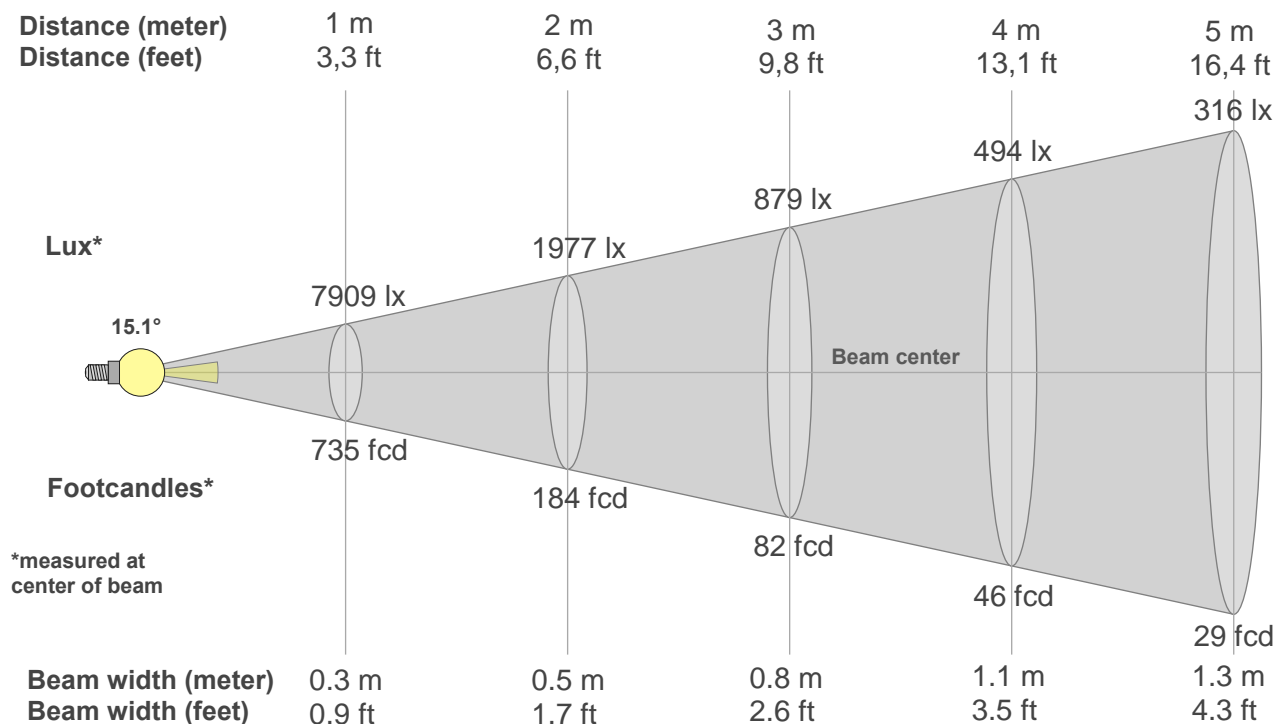
Fidelity index Rf

Rg 98.2

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	81	-9%	-2%
2	81	-7%	6%
3	76	-3%	11%
4	84	4%	9%
5	88	7%	5%
6	90	5%	-2%
7	82	1%	-11%
8	91	-2%	-4%
9	88	-6%	-3%
10	86	-6%	3%
11	83	-4%	9%
12	85	4%	4%
13	88	6%	-4%
14	83	5%	-11%
15	81	0%	-10%
16	80	-7%	-13%





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
7909lx	1977lx	879lx	494lx	316lx	220lx	161lx	124lx	98lx	79lx	65lx	55lx	47lx	40lx	35lx	31lx	27lx	24lx	22lx	20lx
734.7fcd	183.7fcd	81.6fcd	45.9fcd	29.4fcd	20.4fcd	15fcd	11.5fcd	9.1fcd	7.3fcd	6.1fcd	5.1fcd	4.3fcd	3.7fcd	3.3fcd	2.9fcd	2.5fcd	2.3fcd	2fcd	1.8fcd

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°
7909	7840	7625	7239	6651	5928	5142	4361	3623	2957	2394	1936	1581	1307	1090	925	795	693	617	556
100%	99%	96%	92%	84%	75%	65%	55%	46%	37%	30%	24%	20%	17%	14%	12%	10%	9%	8%	7%

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°
7909	7840	7625	7239	6651	5928	5142	4361	3623	2957	2394	1936	1581	1307	1090	925	795	693	617	556
100%	99%	96%	92%	84%	75%	65%	55%	46%	37%	30%	24%	20%	17%	14%	12%	10%	9%	8%	7%

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°
7909	7840	7625	7239	6651	5928	5142	4361	3623	2957	2394	1936	1581	1307	1090	925	795	693	617	556
100%	99%	96%	92%	84%	75%	65%	55%	46%	37%	30%	24%	20%	17%	14%	12%	10%	9%	8%	7%

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°
7909	7840	7625	7239	6651	5928	5142	4361	3623	2957	2394	1936	1581	1307	1090	925	795	693	617	556
100%	99%	96%	92%	84%	75%	65%	55%	46%	37%	30%	24%	20%	17%	14%	12%	10%	9%	8%	7%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
15.1°	32.1°	56.8°	99.7%	99.6%