

Light efficiency:

**56 Lumen/Watt**

Light quality:

**CRI: 84.2**

Color temperature:

**2927 K**

**Output: 958 lm**

**Peak: 7748 cd**

**Power: 17.1 W**

**PF: 0.96**

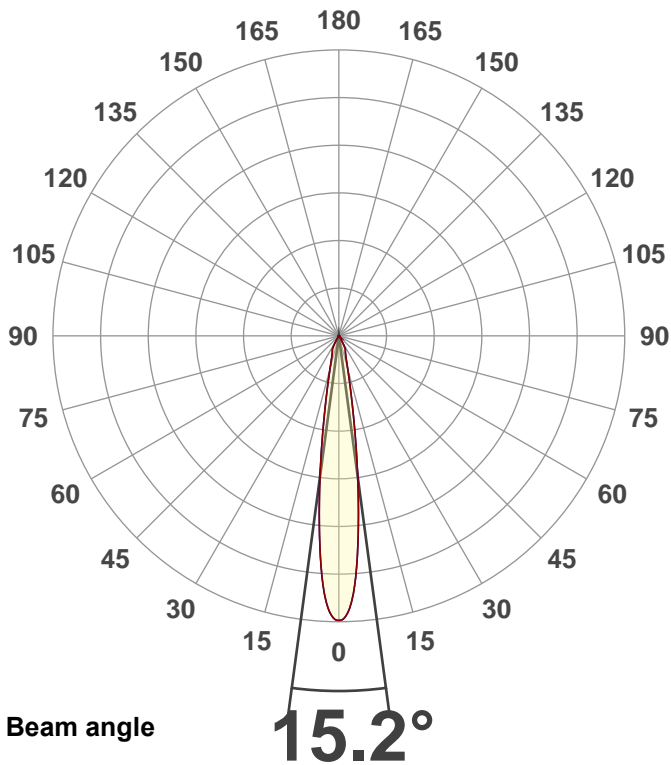


Product name:

**NU4-RH-XTM09-10LM-30K-83-WHS15-120-DIM10-NC-WH**

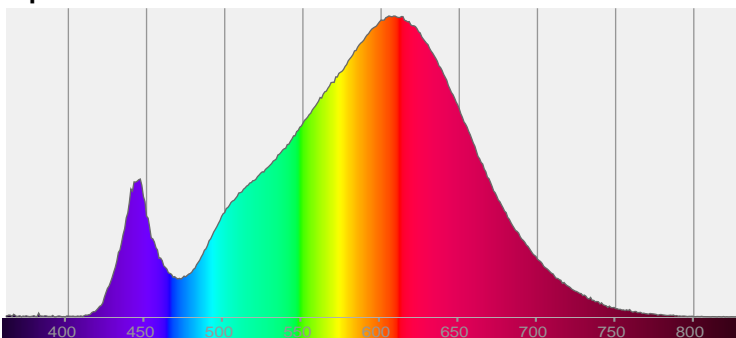
Date and time:

**9/24/2018 3:28:10 PM**

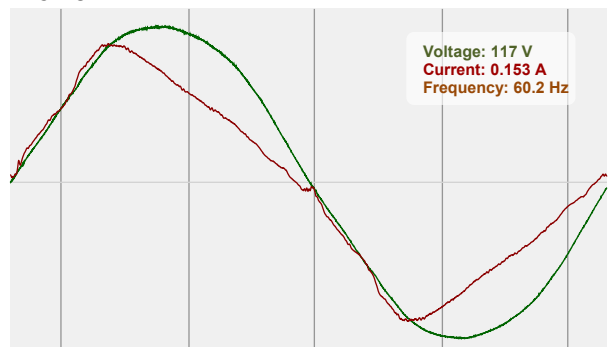


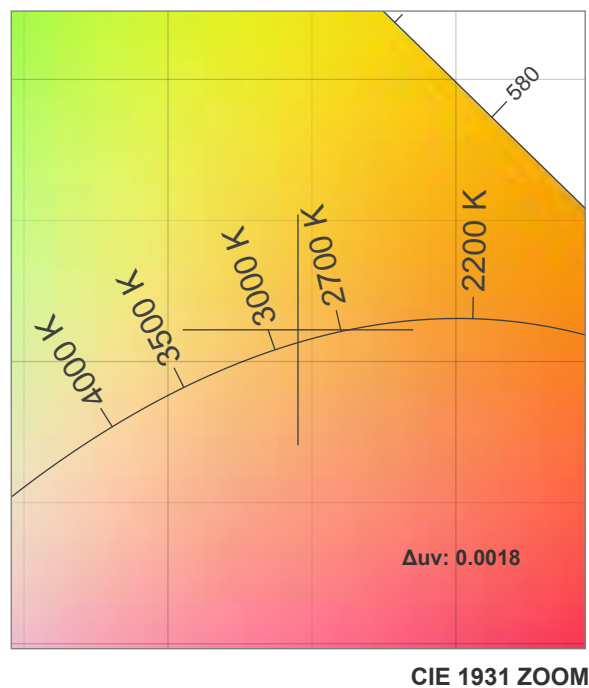
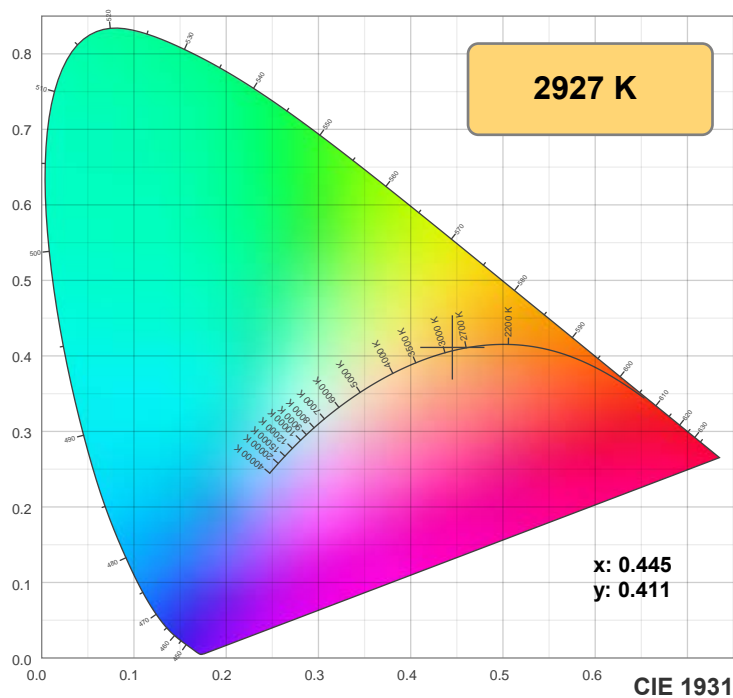
CIE 1931  
x: 0.445  
y: 0.411

Spectra

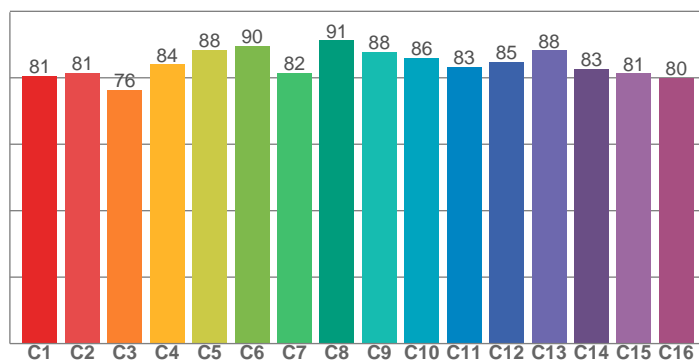


Power

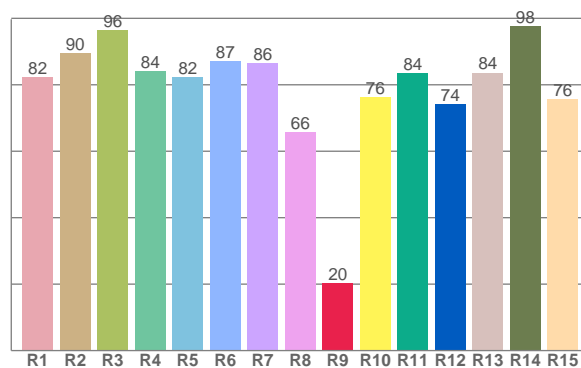




**TM30: 84.1**



**CRI: 84.2 (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
82.4	89.5	96.4	84.1	82.2	87.1	86.5	65.7	20.3	76.3	83.6	74.2	83.6	97.7	75.6

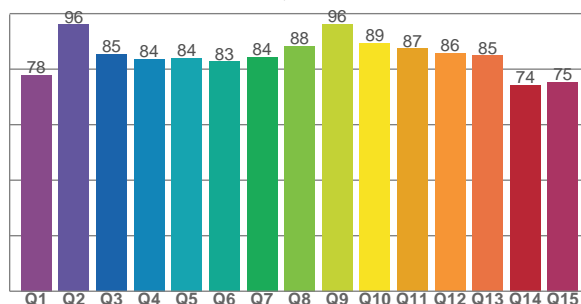
**TM30 C values, 16 binned values out of total of 99 C values**

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

**CQS: 83.7**



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

## TM30 Details

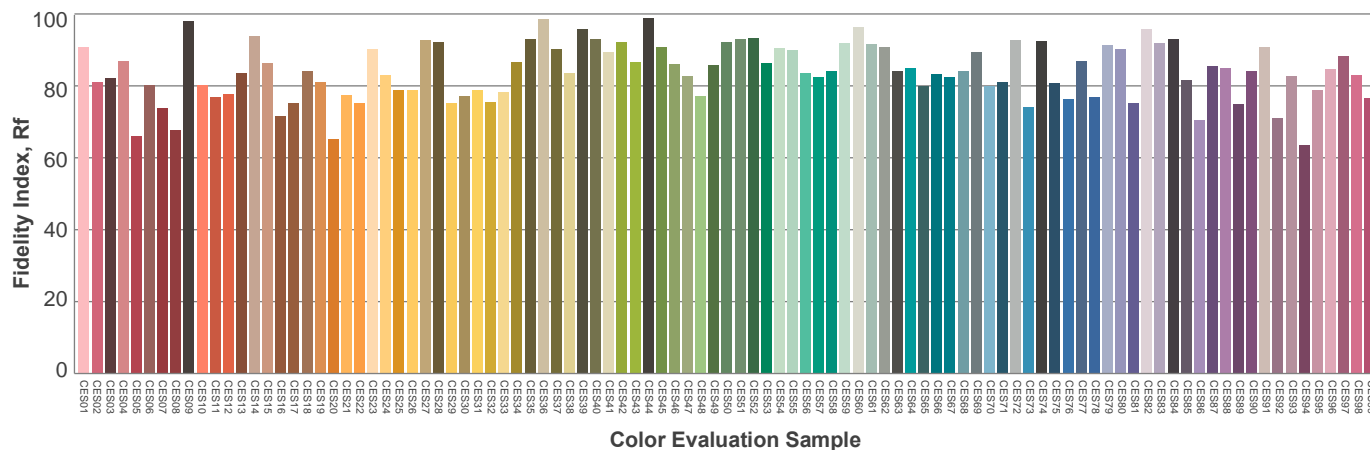
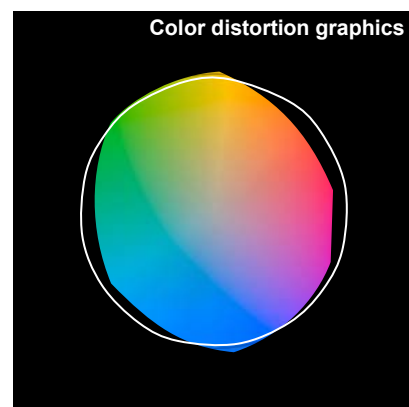
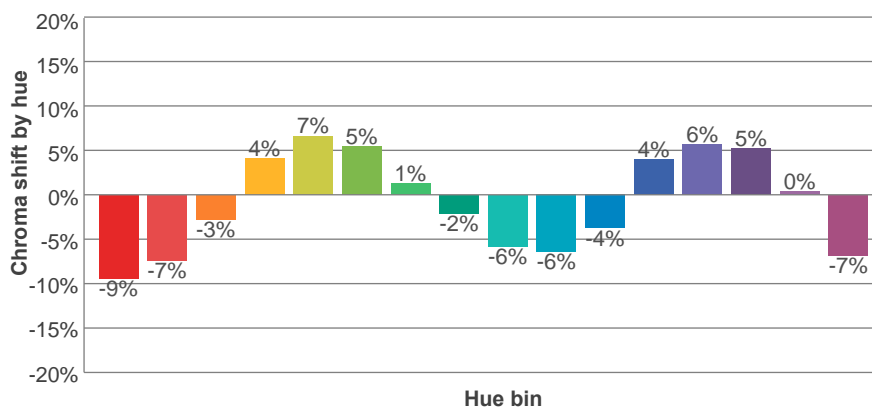
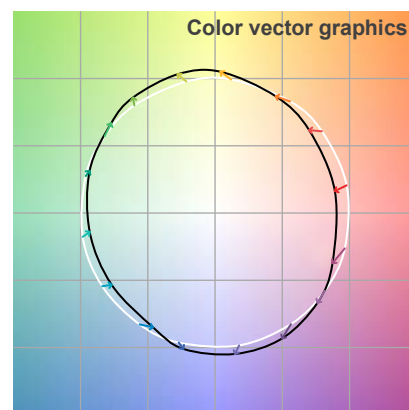
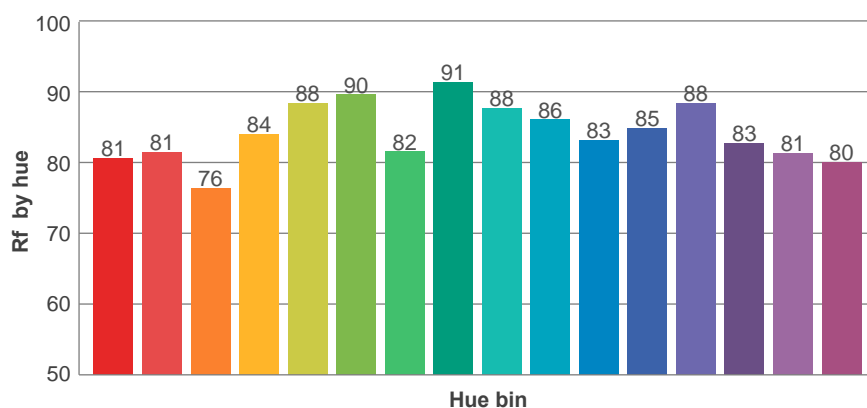
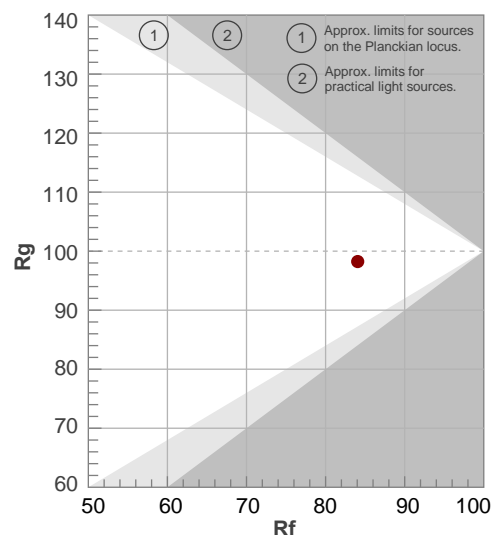
**Rf 84.1**

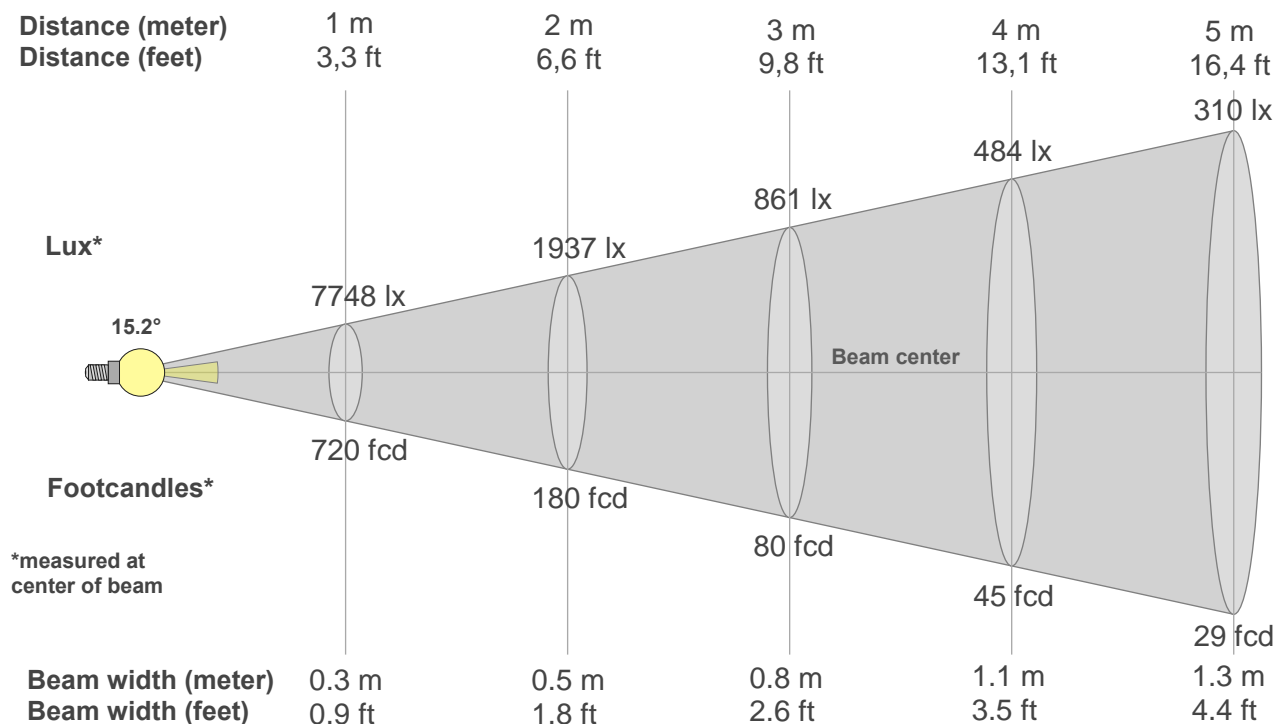
Fidelity index Rf

**Rg 98.2**

Gamut index Rg

Hue Bin	R <sub>f</sub>	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
7748lx	1937lx	861lx	484lx	310lx	215lx	158lx	121lx	96lx	77lx	64lx	54lx	46lx	40lx	34lx	30lx	27lx	24lx	21lx	19lx
719.8fcd	179.9fcd	80fcd	45fcd	28.8fcd	20fcd	14.7fcd	11.2fcd	8.9fcd	7.2fcd	5.9fcd	5fcd	4.3fcd	3.7fcd	3.2fcd	2.8fcd	2.5fcd	2.2fcd	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°
7748	7696	7505	7132	6573	5868	5097	4330	3604	2940	2382	1931	1575	1304	1095	932	807	714	639	582
100%	99%	97%	92%	85%	76%	66%	56%	47%	38%	31%	25%	20%	17%	14%	12%	10%	9%	8%	8%

### 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°
7748	7696	7505	7132	6573	5868	5097	4330	3604	2940	2382	1931	1575	1304	1095	932	807	714	639	582
100%	99%	97%	92%	85%	76%	66%	56%	47%	38%	31%	25%	20%	17%	14%	12%	10%	9%	8%	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°
7748	7696	7505	7132	6573	5868	5097	4330	3604	2940	2382	1931	1575	1304	1095	932	807	714	639	582
100%	99%	97%	92%	85%	76%	66%	56%	47%	38%	31%	25%	20%	17%	14%	12%	10%	9%	8%	8%

### 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°
7748	7696	7505	7132	6573	5868	5097	4330	3604	2940	2382	1931	1575	1304	1095	932	807	714	639	582
100%	99%	97%	92%	85%	76%	66%	56%	47%	38%	31%	25%	20%	17%	14%	12%	10%	9%	8%	8%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
15.2°	32.7°	57.9°	99.3%	96.8%