

Light efficiency:

100 Lumen/Watt

Light quality:

CRI: 81.5

Color temperature:

3021 K

Output: 1645 lm

Peak: 4881 cd

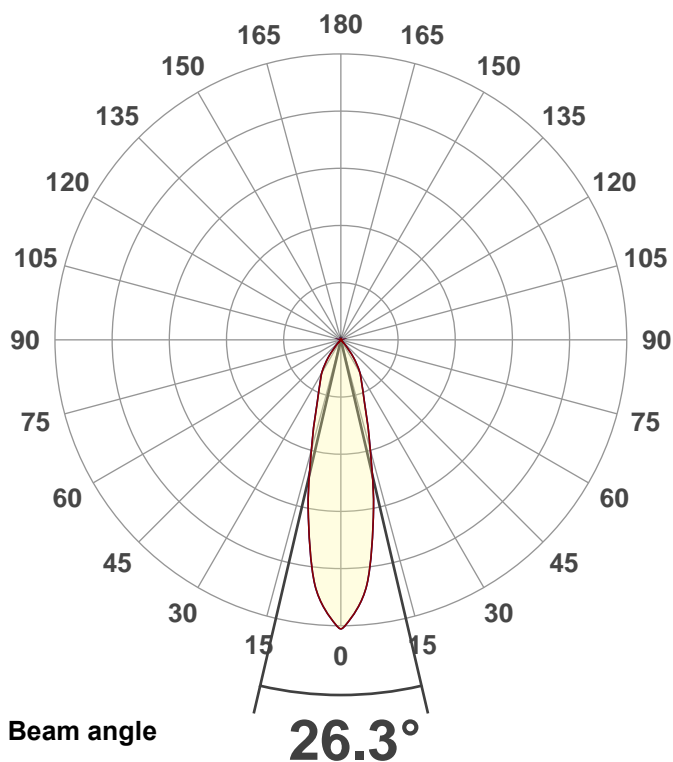
Power: 16.5 W

PF: 0.96



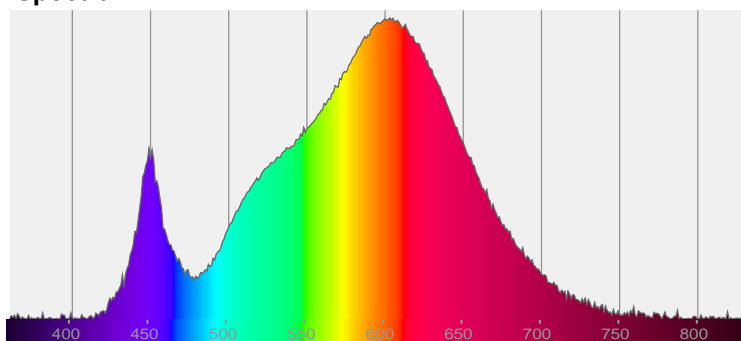
**NU3-RD-SW-20LM-30K-80-25C-120-DIM10-NC-WH-WH**

Date and time:  
11/10/2020 8:52:24 AM

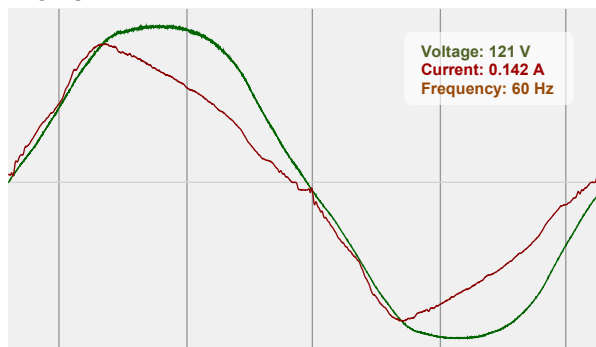


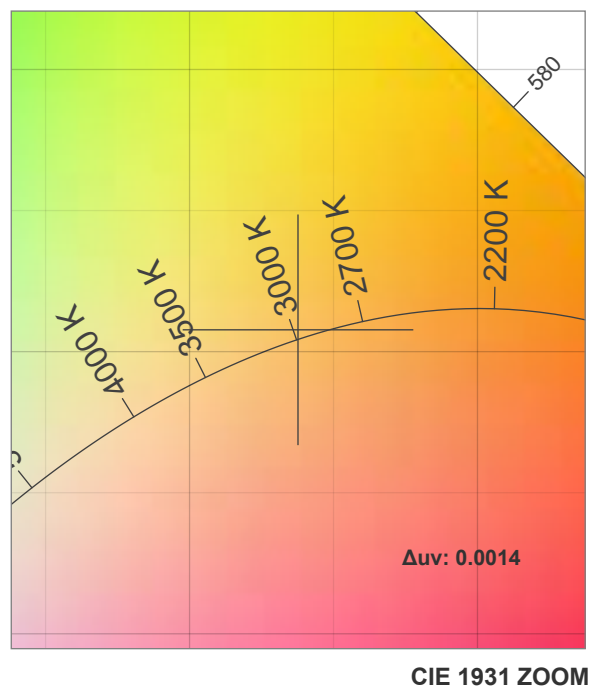
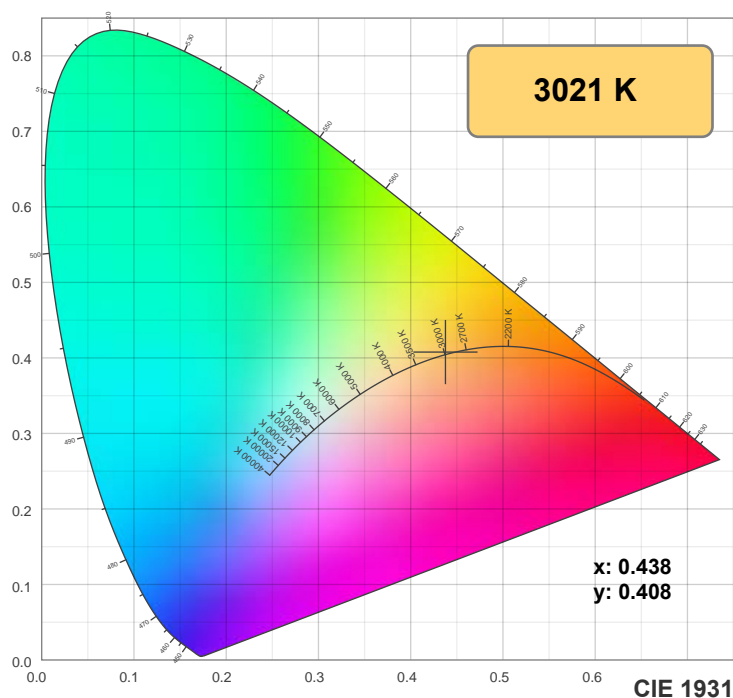
CIE 1931  
x: 0.438  
y: 0.408

Spectra

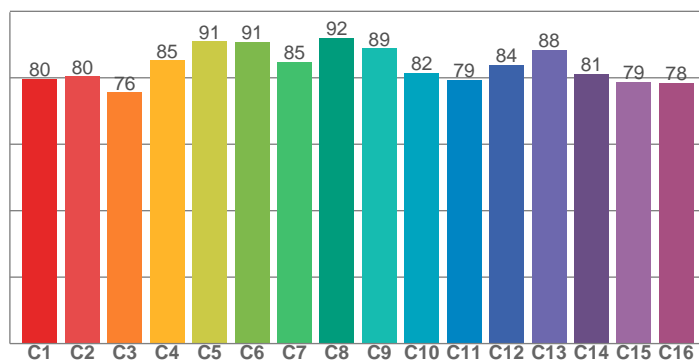


Power

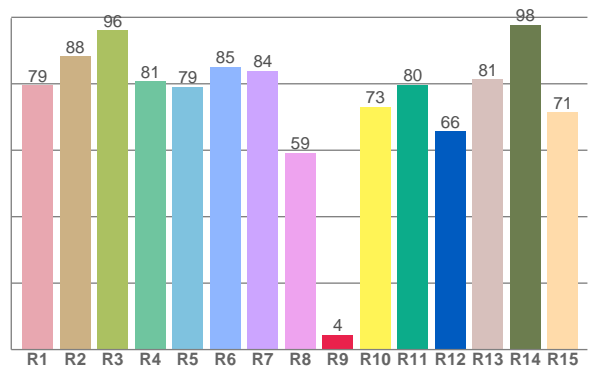




TM30: 83.7



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
79.5	88.3	96.2	80.7	79.1	85.2	83.9	59.3	4.4	73.1	79.7	65.6	81.3	97.8	71.4

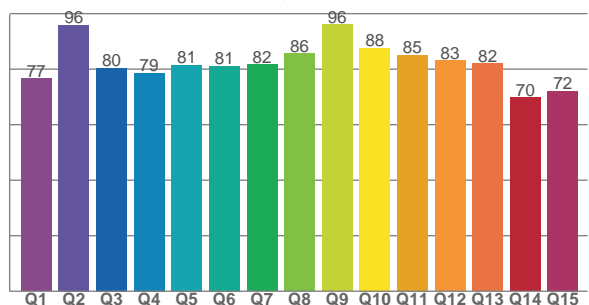
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
79.6	80.4	75.6	85.2	91.0	90.8	84.7	92.0	88.9	81.5	79.4	83.9	88.4	81.1	78.7	78.5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
76.6	96.0	80.5	78.5	81.4	81.1	81.6	85.6	96.1	87.7	85.1	83.1	82.1	69.8	72.1

CQS: 81.0



## 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
3021 K	81.5	4.4	83.7	96.9	81.0	0.438	0.408	0.249	0.349	0.0014

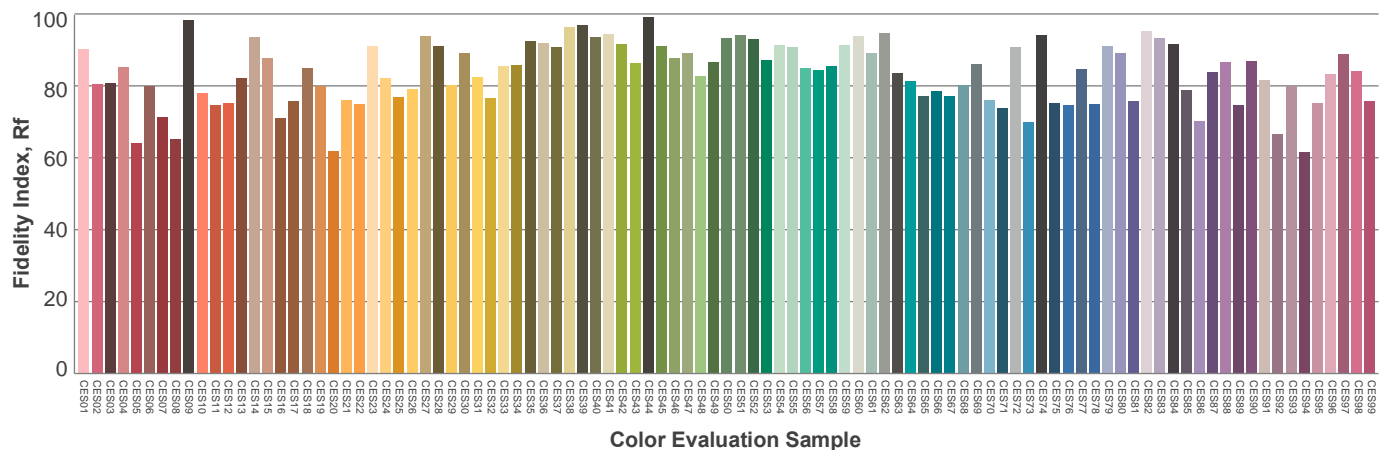
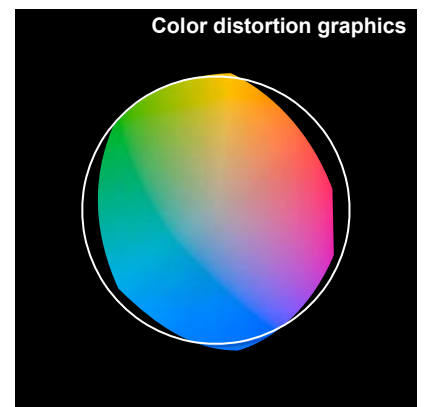
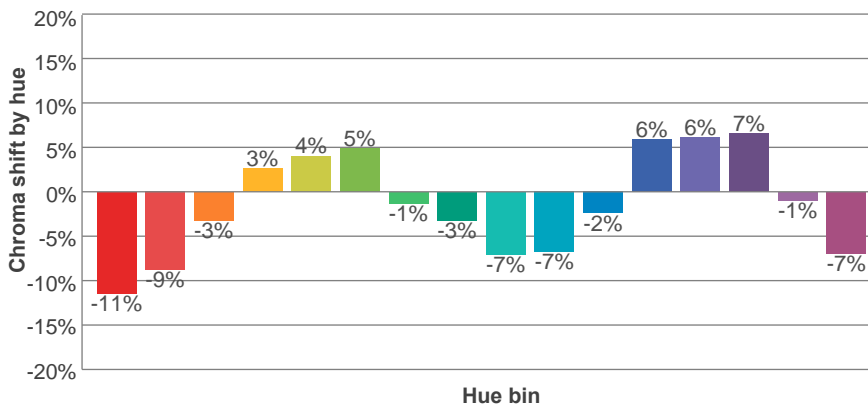
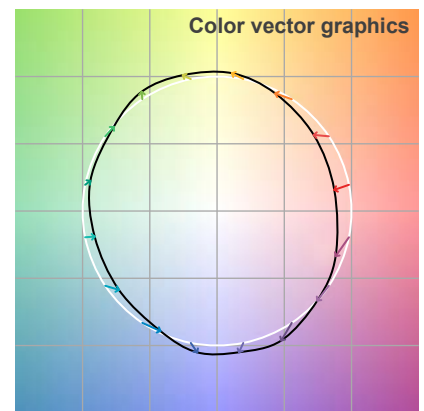
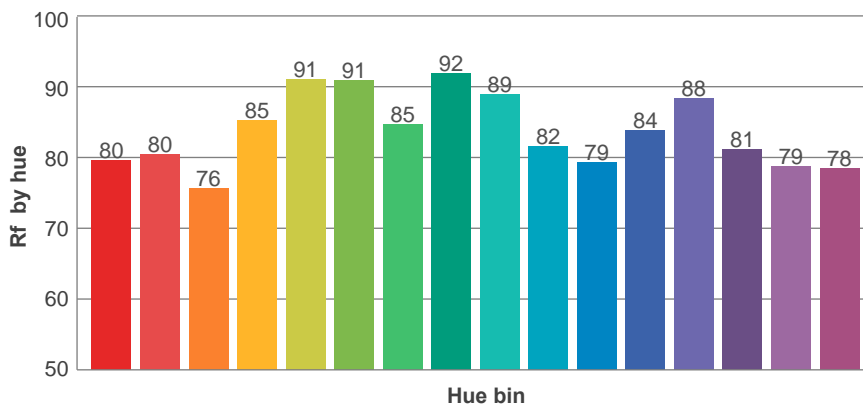
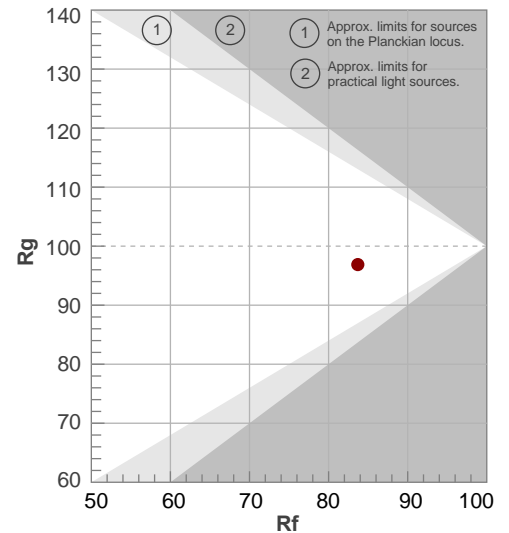
**Rf 83.7**

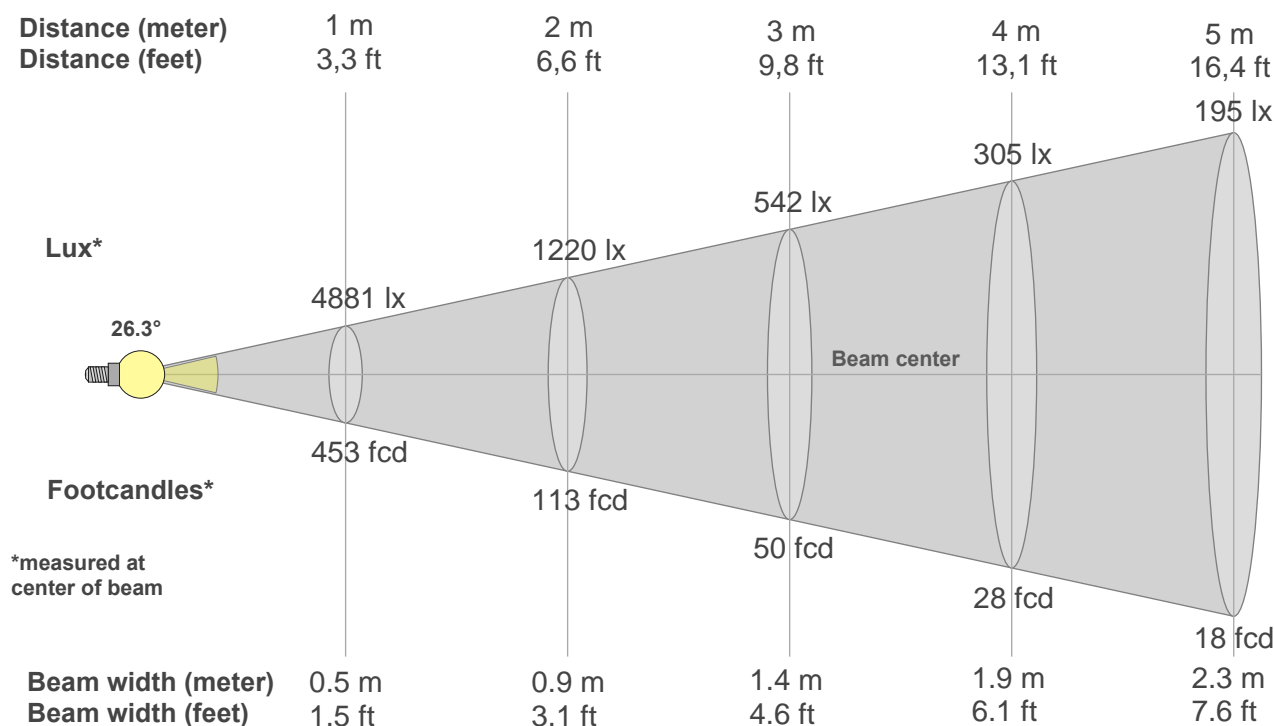
Fidelity index Rf

**Rg 96.9**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	80	-11%	-2%
2	80	-9%	7%
3	76	-3%	13%
4	85	3%	9%
5	91	4%	5%
6	91	5%	-3%
7	85	-1%	-9%
8	92	-3%	-4%
9	89	-7%	1%
10	82	-7%	8%
11	79	-2%	15%
12	84	6%	6%
13	88	6%	-4%
14	81	7%	-14%
15	79	-1%	-14%
16	78	-7%	-16%





**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
4881lx	1220lx	542lx	305lx	195lx	136lx	100lx	76lx	60lx	49lx	40lx	34lx	29lx	25lx	22lx	19lx	17lx	15lx	14lx	12lx
453.4fcd	113.4fcd	50.4fcd	28.3fcd	18.1fcd	12.6fcd	9.3fcd	7.1fcd	5.6fcd	4.5fcd	3.7fcd	3.1fcd	2.7fcd	2.3fcd	2fcd	1.8fcd	1.6fcd	1.4fcd	1.3fcd	1.1fcd

**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°
4881	4767	4502	4238	3724	3202	2706	2235	1774	1509	1244	1061	934	814	733	652	557	454	352	252
100%	98%	92%	87%	76%	66%	55%	46%	36%	31%	25%	22%	19%	17%	15%	13%	11%	9%	7%	5%

**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°
4881	4767	4502	4238	3724	3202	2706	2235	1774	1509	1244	1061	934	814	733	652	557	454	352	252
100%	98%	92%	87%	76%	66%	55%	46%	36%	31%	25%	22%	19%	17%	15%	13%	11%	9%	7%	5%

**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°
4881	4767	4502	4238	3724	3202	2706	2235	1774	1509	1244	1061	934	814	733	652	557	454	352	252
100%	98%	92%	87%	76%	66%	55%	46%	36%	31%	25%	22%	19%	17%	15%	13%	11%	9%	7%	5%

**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°
4881	4767	4502	4238	3724	3202	2706	2235	1774	1509	1244	1061	934	814	733	652	557	454	352	252
100%	98%	92%	87%	76%	66%	55%	46%	36%	31%	25%	22%	19%	17%	15%	13%	11%	9%	7%	5%

Beam angle 50°	Field angle 10°	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
{B_ANG}°	66.7°	81.4°	99.0%	98.2%