

Light efficiency:

92 Lumen/Watt

Light quality:

CRI: 82.7

Color temperature:

2932 K

Output: 752 lm

Peak: 6299 cd

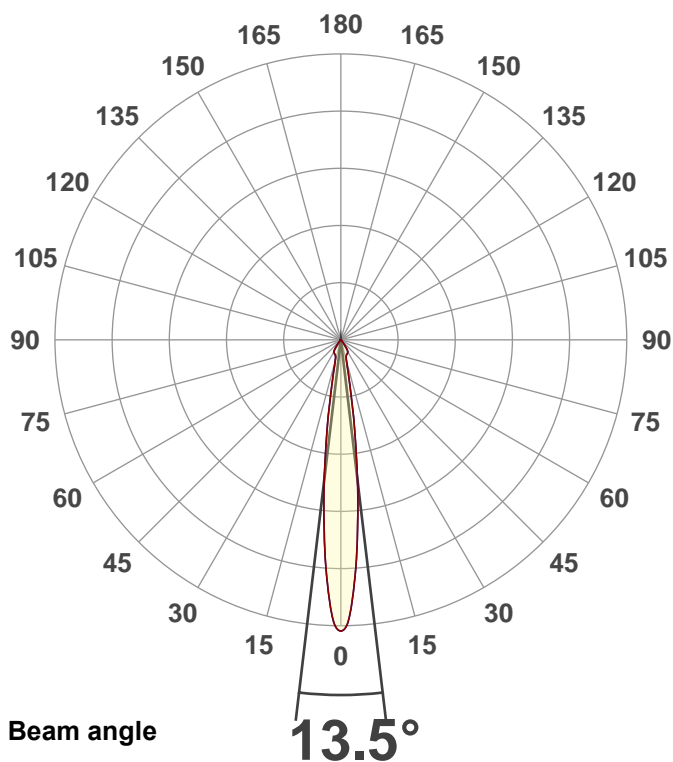
Power: 8.2 W

PF: 0.93



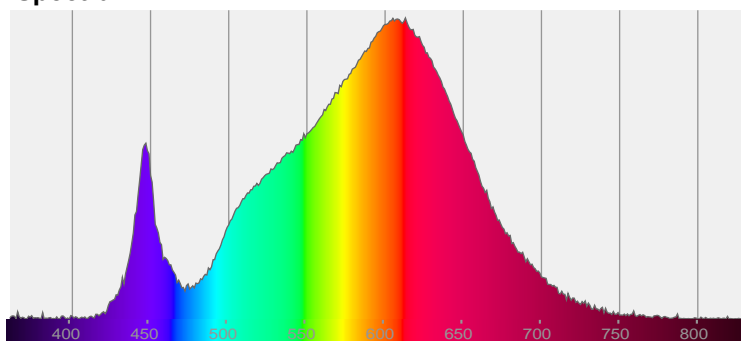
**NU4-RD-SW-10LM-30K-80-S10-120-DIM10-NC-WH-WH**

Date and time:  
2/27/2021 10:15:00 AM

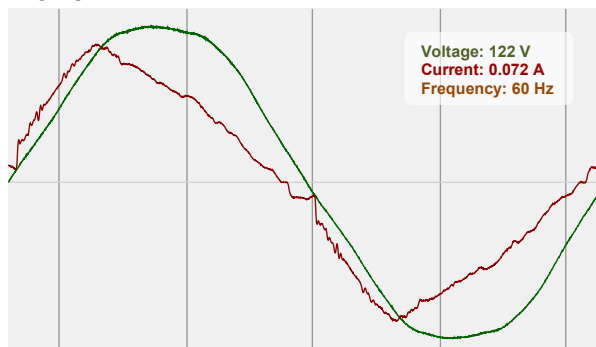


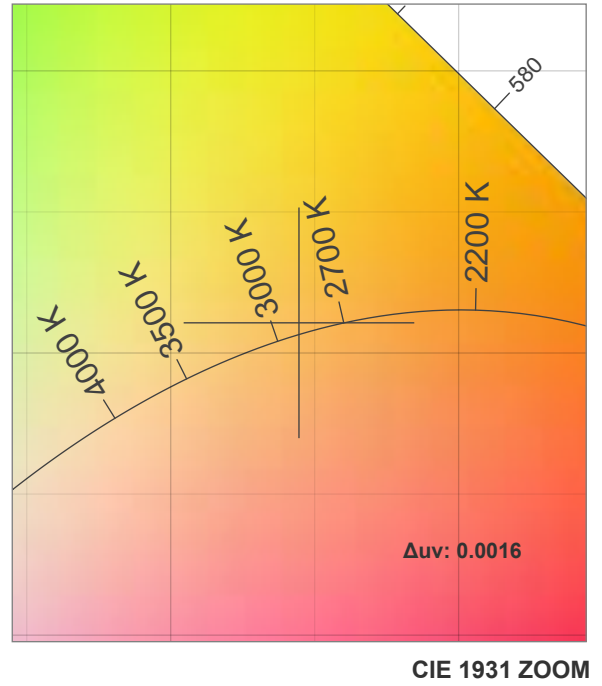
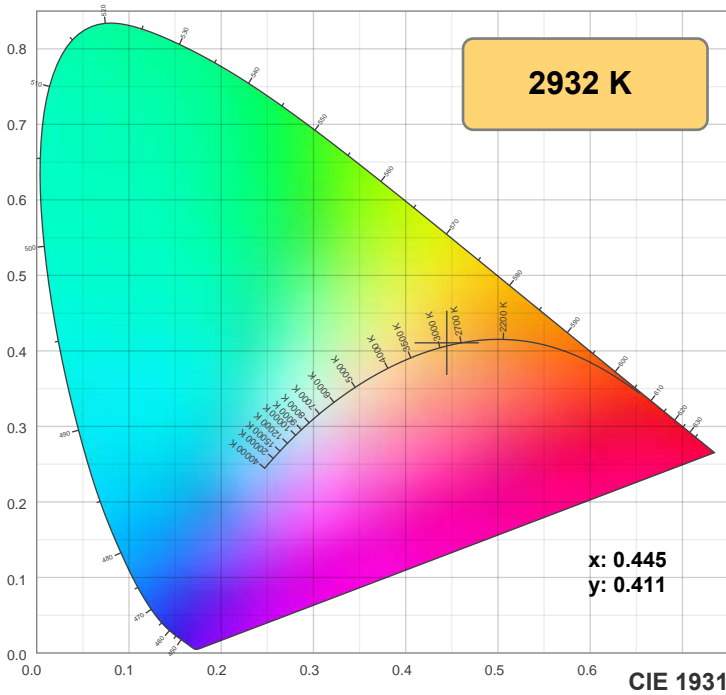
CIE 1931  
x: 0.445  
y: 0.411

Spectra

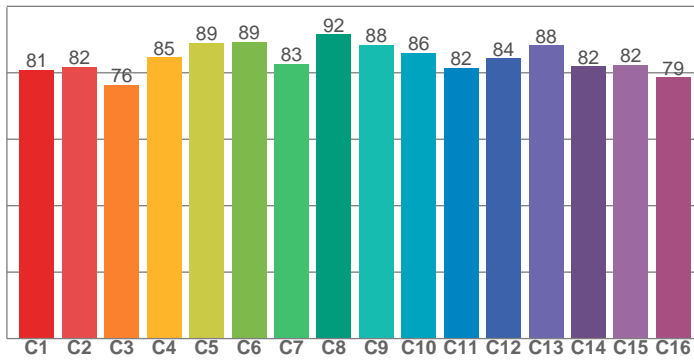


Power

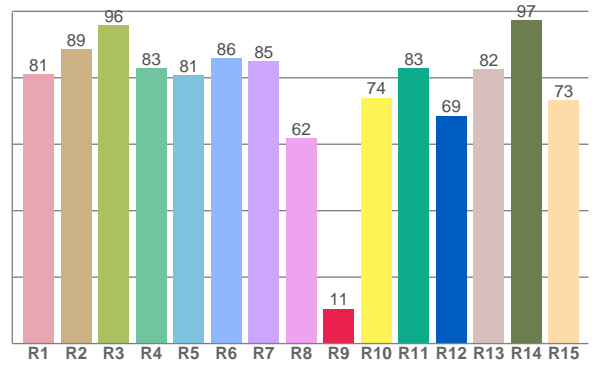




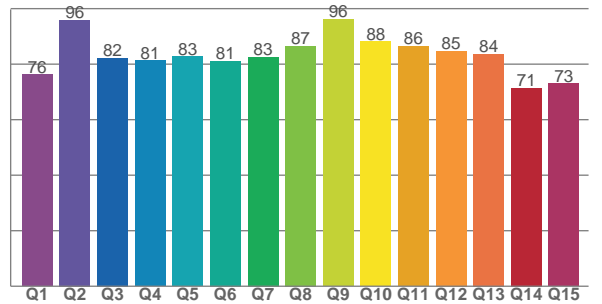
TM30: 84.0



CRI: 82.7 (R1-R8)



CQS: 82.0



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
81.1	88.6	95.8	82.9	80.7	86.0	84.9	61.7	10.5	74.0	82.8	68.6	82.5	97.3	73.2

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
80.8	81.7	76.4	84.7	89.0	89.2	82.6	91.6	88.4	86.0	81.5	84.3	88.2	82.0	82.3	78.6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
76.2	95.9	82.1	81.3	82.7	81.2	82.5	86.6	96.2	88.2	86.4	84.7	83.7	71.5	73.1

## 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
2932 K	82.7	10.5	84.0	98.2	82.0	0.445	0.411	0.253	0.350	0.0016

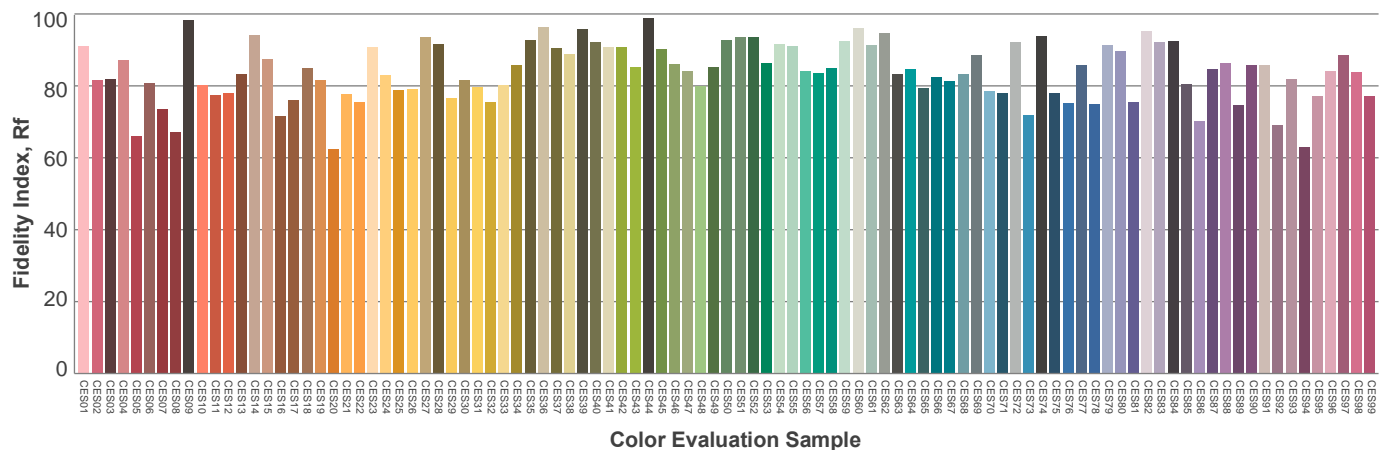
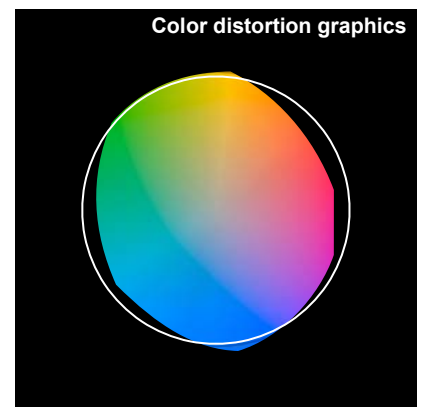
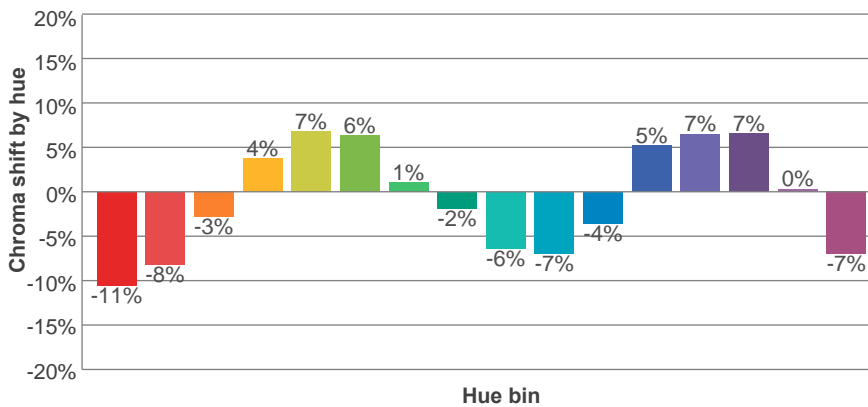
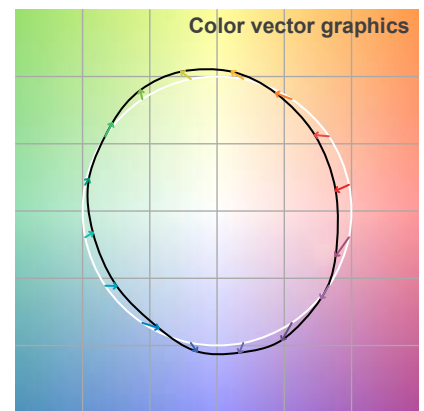
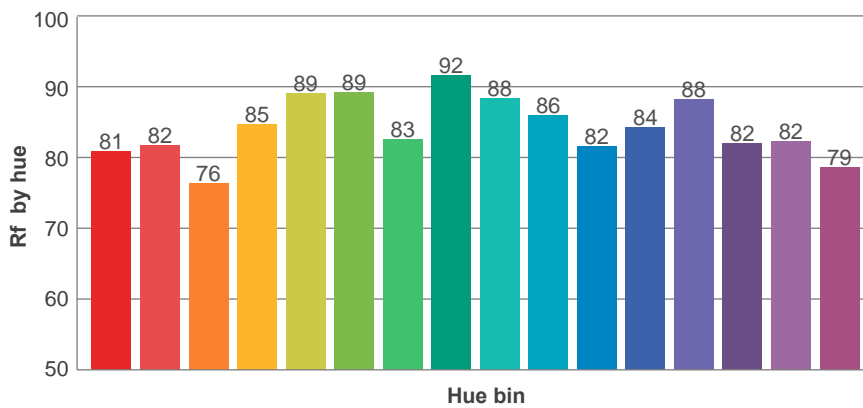
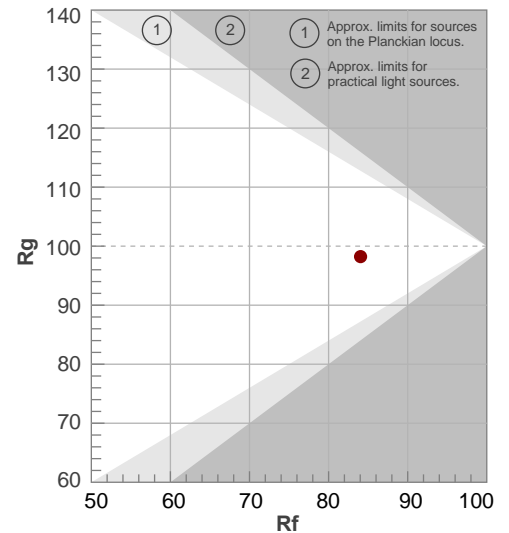
**Rf 84.0**

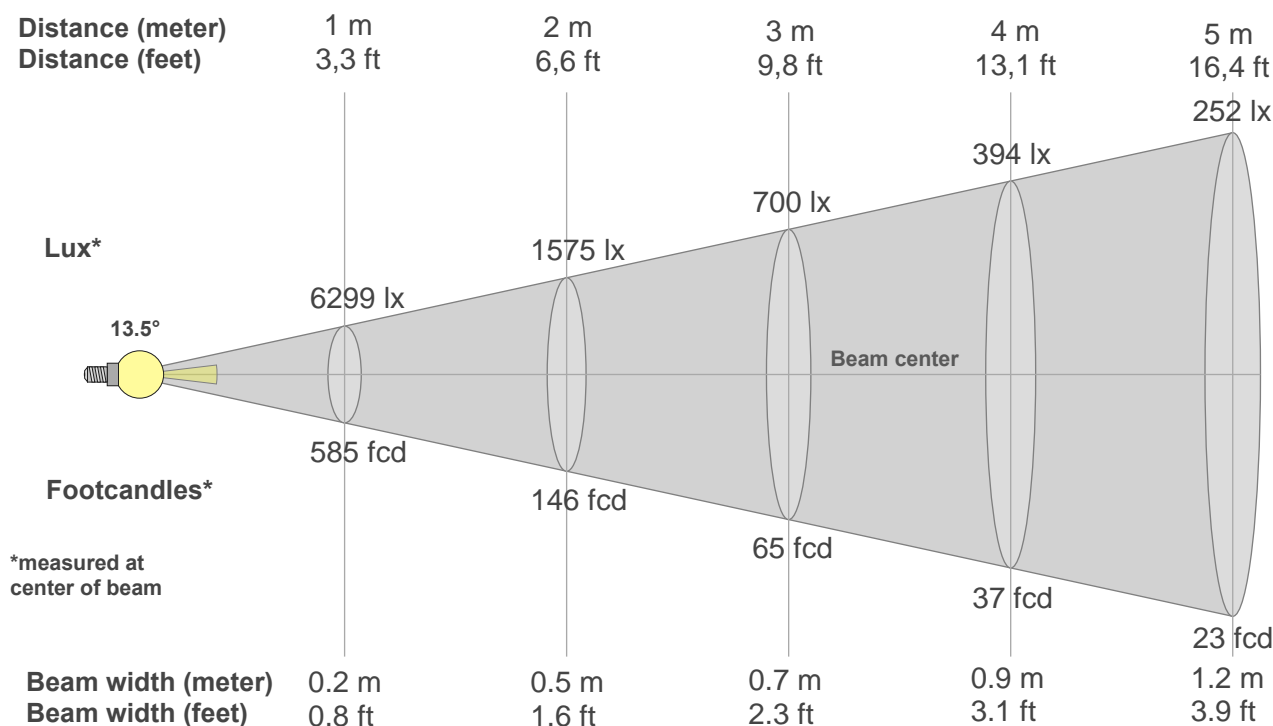
Fidelity index Rf

**Rg 98.2**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	81	-11%	-2%
2	82	-8%	7%
3	76	-3%	12%
4	85	4%	9%
5	89	7%	6%
6	89	6%	-2%
7	83	1%	-11%
8	92	-2%	-5%
9	88	-6%	-2%
10	86	-7%	5%
11	82	-4%	12%
12	84	5%	6%
13	88	7%	-4%
14	82	7%	-13%
15	82	0%	-11%
16	79	-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
6299lx	1575lx	700lx	394lx	252lx	175lx	129lx	98lx	78lx	63lx	52lx	44lx	37lx	32lx	28lx	25lx	22lx	19lx	17lx	16lx
585.2fc	146.3fc	65fcd	36.6fcd	23.4fcd	16.3fcd	11.9fcd	9.1fcd	7.2fcd	5.9fcd	4.8fcd	4.1fcd	3.5fcd	3fcd	2.6fcd	2.3fcd	2fcd	1.8fcd	1.6fcd	1.5fcd

**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°
6299	6299	5950	5442	4902	4255	3608	3012	2430	1906	1508	1109	892	705	566	499	432	408	387	372
100%	100%	94%	86%	78%	68%	57%	48%	39%	30%	24%	18%	14%	11%	9%	8%	7%	6%	6%	6%

**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°
6299	6299	5950	5442	4902	4255	3608	3012	2430	1906	1508	1109	892	705	566	499	432	408	387	372
100%	100%	94%	86%	78%	68%	57%	48%	39%	30%	24%	18%	14%	11%	9%	8%	7%	6%	6%	6%

**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°
6299	6299	5950	5442	4902	4255	3608	3012	2430	1906	1508	1109	892	705	566	499	432	408	387	372
100%	100%	94%	86%	78%	68%	57%	48%	39%	30%	24%	18%	14%	11%	9%	8%	7%	6%	6%	6%

**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°
6299	6299	5950	5442	4902	4255	3608	3012	2430	1906	1508	1109	892	705	566	499	432	408	387	372
100%	100%	94%	86%	78%	68%	57%	48%	39%	30%	24%	18%	14%	11%	9%	8%	7%	6%	6%	6%

Beam angle 50°	Field angle 10°	Cutoff angle 2,5°	Intensity ratio in 120° cone	Intensity ratio in 90° cone
{B_ANG}°	26.8°	70.6°	99.2%	97.6%