

Light efficiency:

67 Lumen/Watt

Light quality:

CRI: 91.6

Color temperature:

2997 K

Output: 1791 lm

Peak: 15425 cd

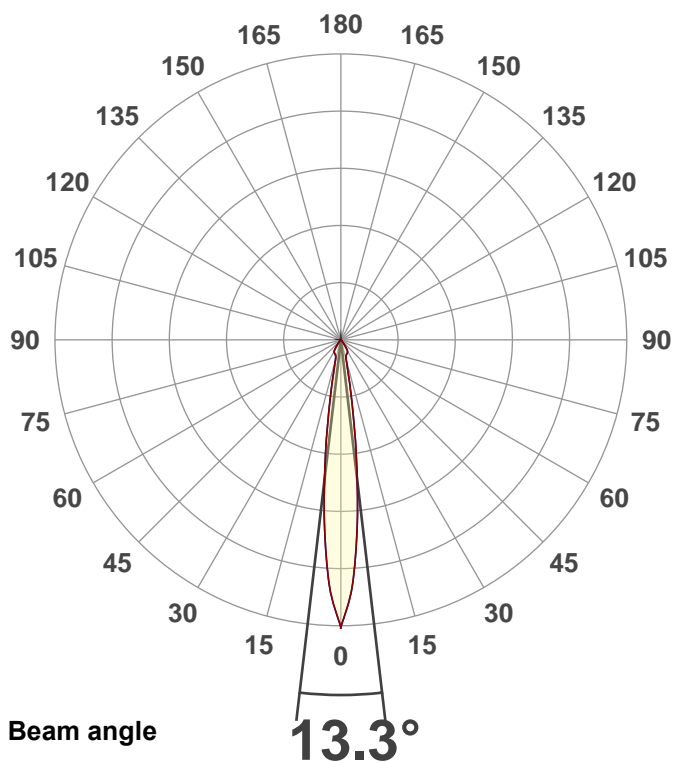
Power: 26.5 W

PF: 0.97



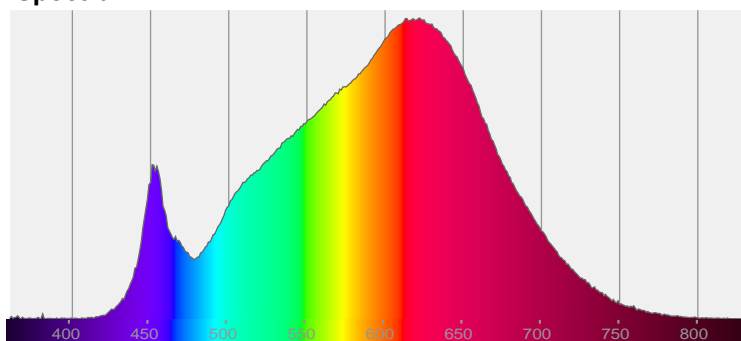
NU4-RD-SW-25LM-30K-90-S10-120-DIM10-NC-WH-WH

Date and time:  
2/27/2021 12:09:23 PM

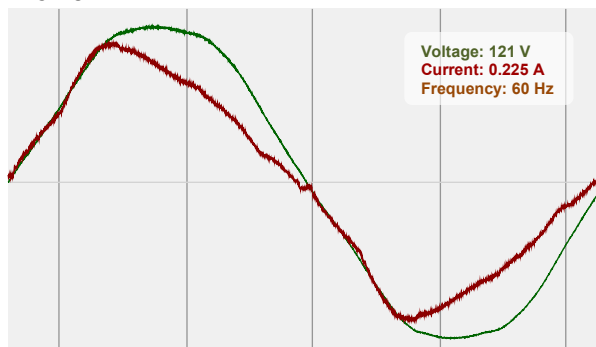


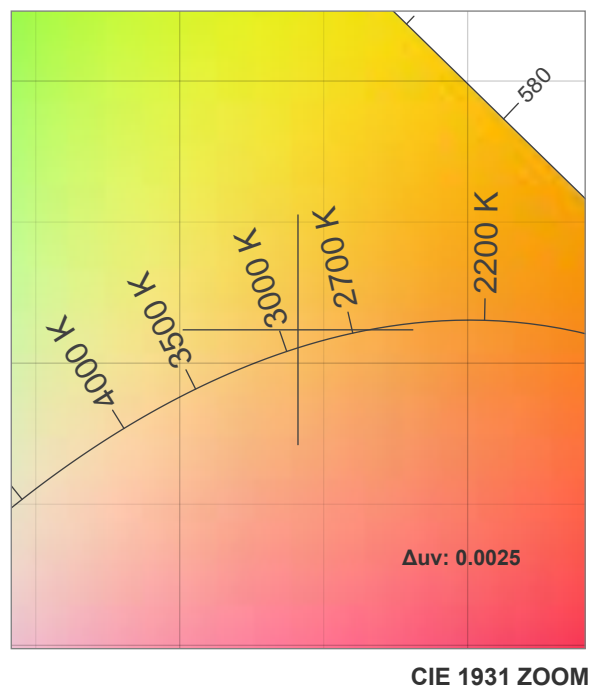
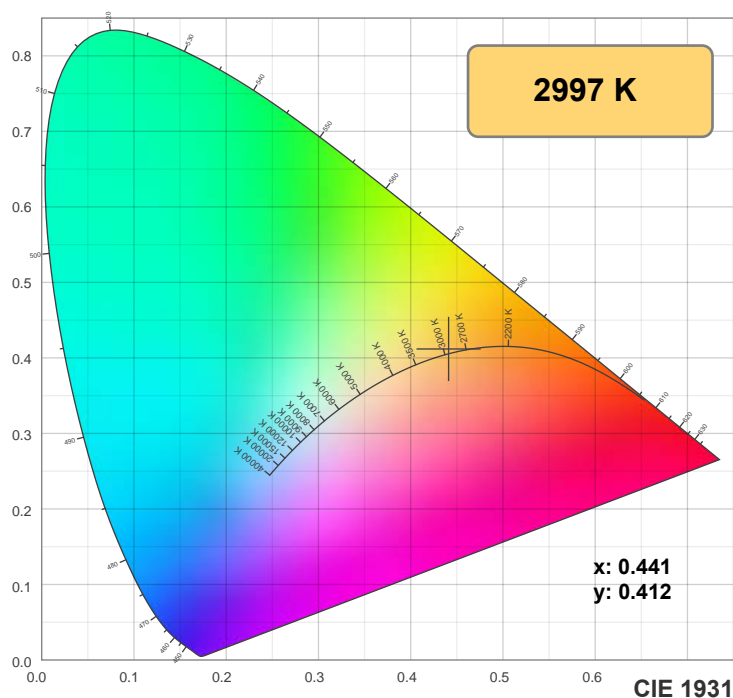
CIE 1931  
x: 0.441  
y: 0.412

Spectra

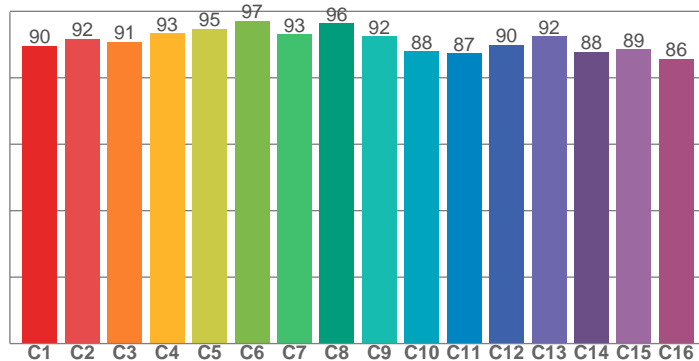


Power

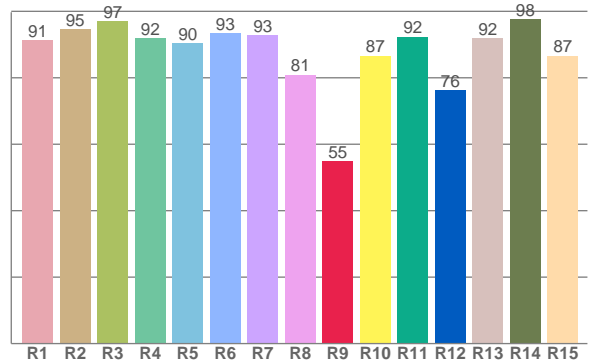




TM30: 91.2



CRI: 91.6 (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
91.3	94.6	97.0	92.0	90.5	93.4	92.8	80.9	54.9	86.6	92.3	76.2	92.0	97.6	86.7

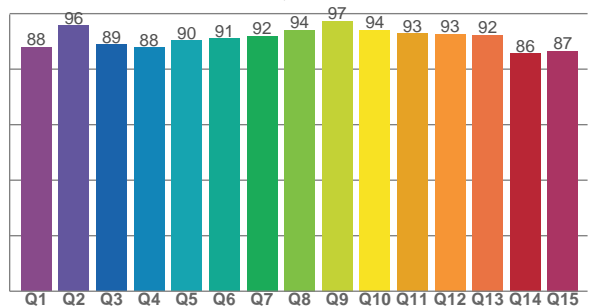
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89.7	91.8	90.7	93.3	94.8	97.1	93.0	96.3	92.5	87.9	87.3	89.9	92.4	87.8	88.6	85.6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
87.8	95.7	88.8	87.8	90.3	91.1	92.0	94.1	97.4	94.1	92.9	92.7	92.4	85.6	86.6

CQS: 90.5



## 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	$\Delta uv$
2997 K	91.6	54.9	91.2	97.7	90.5	0.441	0.412	0.250	0.350	0.0025

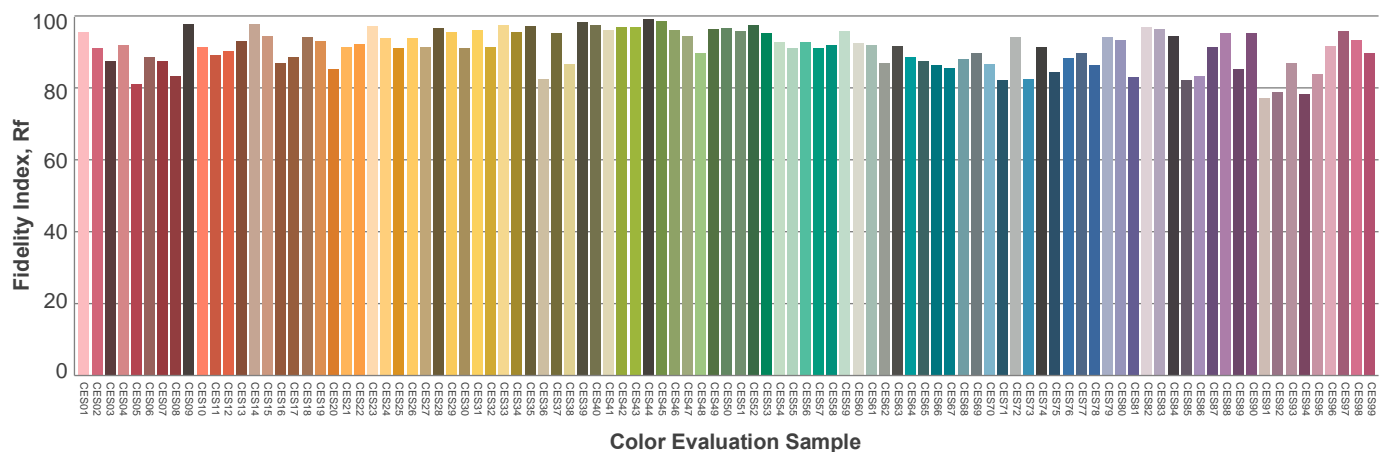
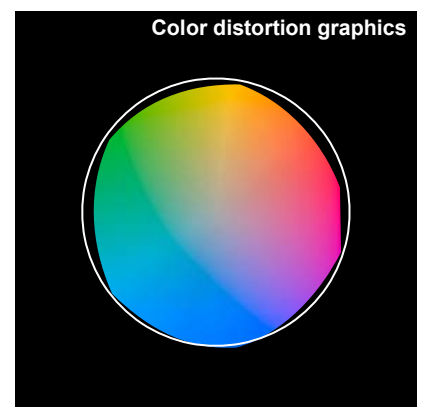
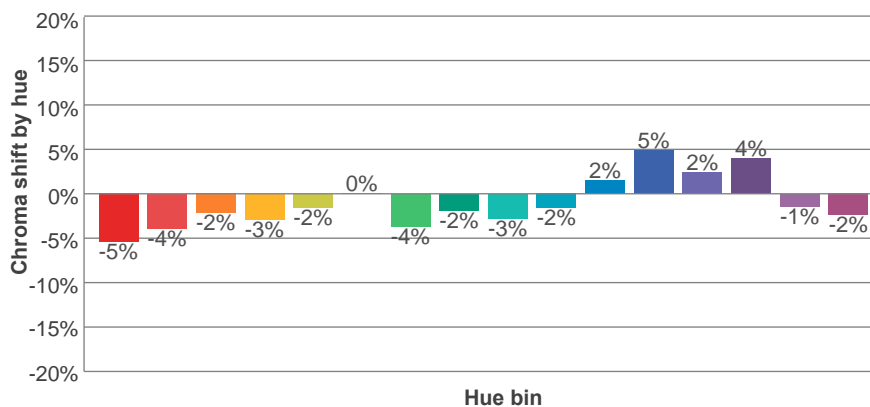
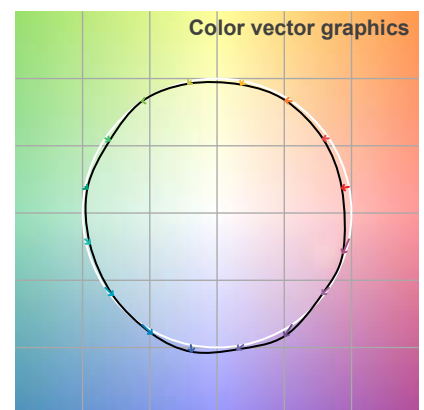
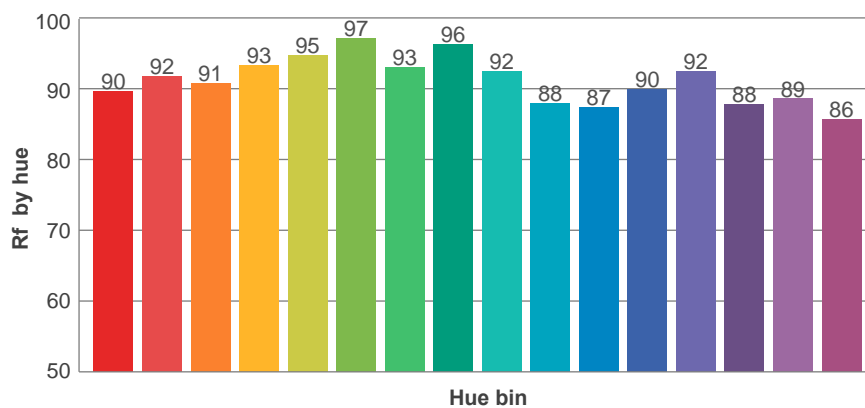
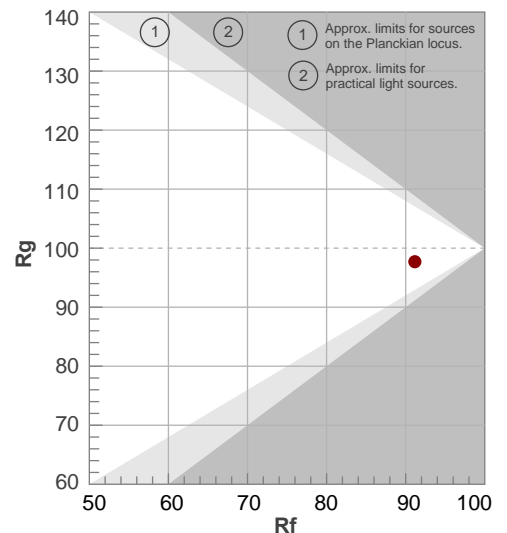
**Rf 91.2**

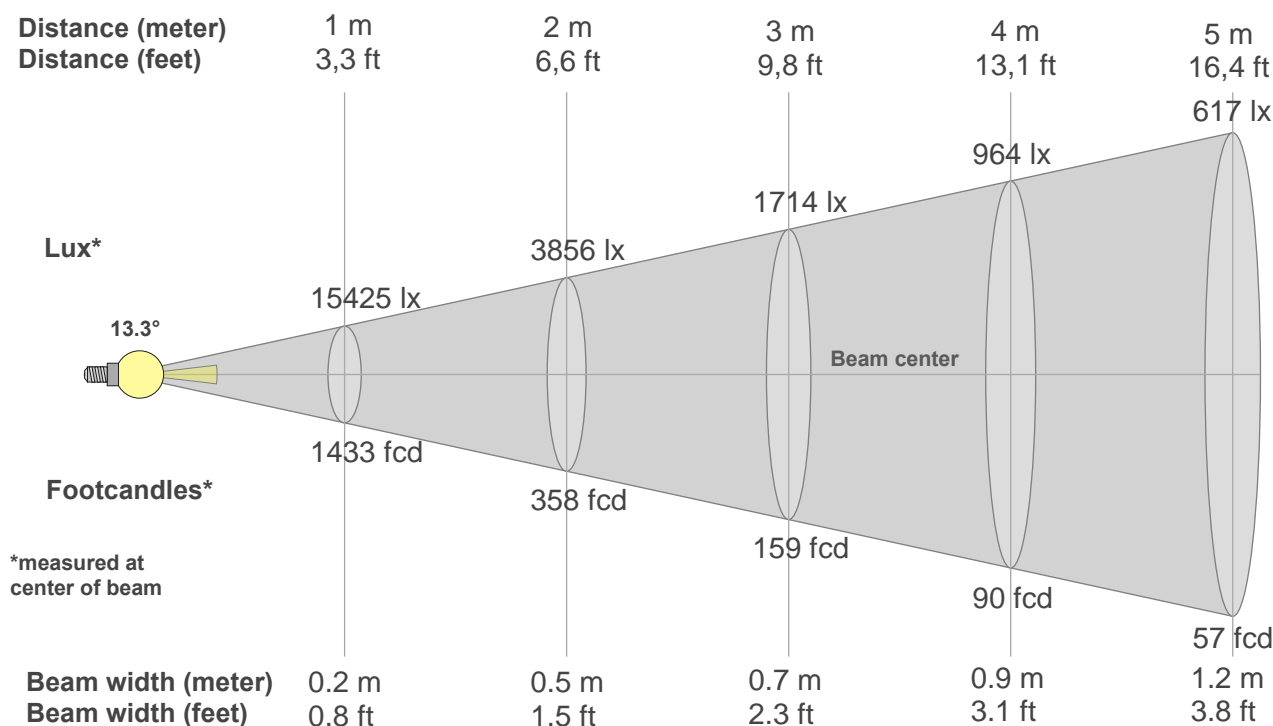
Fidelity index Rf

**Rg 97.7**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	90	-5%	0%
2	92	-4%	2%
3	91	-2%	4%
4	93	-3%	1%
5	95	-2%	2%
6	97	0%	0%
7	93	-4%	-1%
8	96	-2%	1%
9	92	-3%	4%
10	88	-2%	8%
11	87	2%	9%
12	90	5%	2%
13	92	2%	-5%
14	88	4%	-9%
15	89	-1%	-7%
16	86	-2%	-11%





**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
15425lx	3856lx	1714lx	964lx	617lx	428lx	315lx	241lx	190lx	154lx	127lx	107lx	91lx	79lx	69lx	60lx	53lx	48lx	43lx	39lx
1433.1fcd	358.3fcd	159.2fcd	89.6fcd	57.3fcd	39.8fcd	29.2fcd	22.4fcd	17.7fcd	14.3fcd	11.8fcd	10fcd	8.5fcd	7.3fcd	6.4fcd	5.6fcd	5fcd	4.4fcd	4fcd	3.6fcd

**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°
15.4K	14.7K	13.9K	12.9K	11.5K	10.2K	8.7K	7.2K	5.9K	4.7K	3.5K	2.8K	2.1K	1.7K	1.4K	1.1K	1.0K	1.0K	0.9K	0.9K
100%	96%	90%	84%	75%	66%	56%	47%	38%	30%	23%	18%	14%	11%	9%	7%	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°
15.4K	14.7K	13.9K	12.9K	11.5K	10.2K	8.7K	7.2K	5.9K	4.7K	3.5K	2.8K	2.1K	1.7K	1.4K	1.1K	1.0K	1.0K	0.9K	0.9K
100%	96%	90%	84%	75%	66%	56%	47%	38%	30%	23%	18%	14%	11%	9%	7%	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°
15.4K	14.7K	13.9K	12.9K	11.5K	10.2K	8.7K	7.2K	5.9K	4.7K	3.5K	2.8K	2.1K	1.7K	1.4K	1.1K	1.0K	1.0K	0.9K	0.9K
100%	96%	90%	84%	75%	66%	56%	47%	38%	30%	23%	18%	14%	11%	9%	7%	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°
15.4K	14.7K	13.9K	12.9K	11.5K	10.2K	8.7K	7.2K	5.9K	4.7K	3.5K	2.8K	2.1K	1.7K	1.4K	1.1K	1.0K	1.0K	0.9K	0.9K
100%	96%	90%	84%	75%	66%	56%	47%	38%	30%	23%	18%	14%	11%	9%	7%	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°	70.2°	99.5%	97.9%