

Light efficiency:

43 Lumen/Watt

Light quality:

CRI: 95.1

Color temperature:

3087 K

Output: 820 lm

Peak: 6061 cd

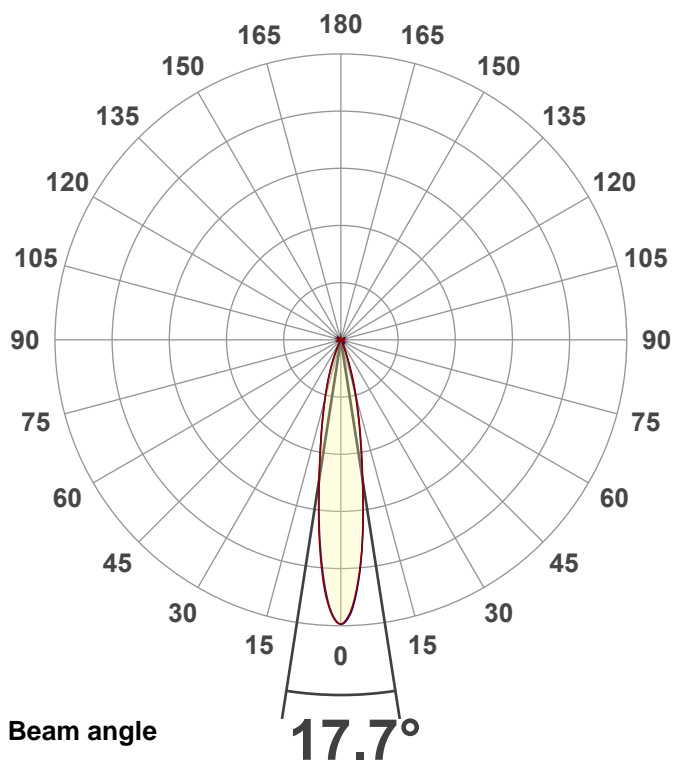
Power: 19.1 W

PF: 0.97



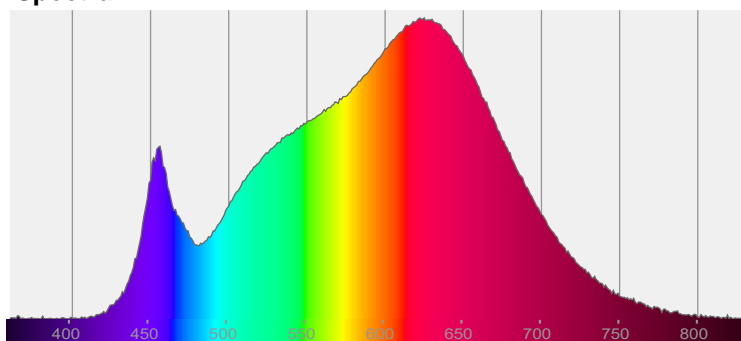
NU3-RA-WD-15LM-3018-97-15D-NA-NL-WH-WH

Date and time:
7/13/2022 10:00:57 AM

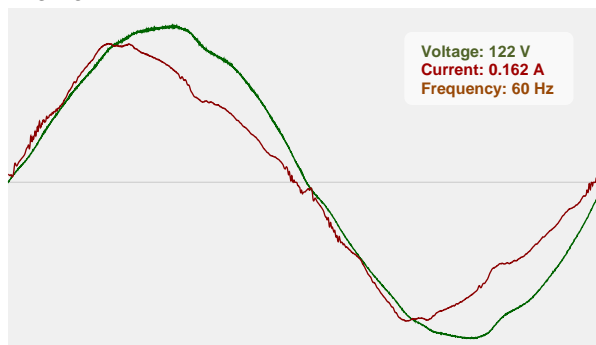


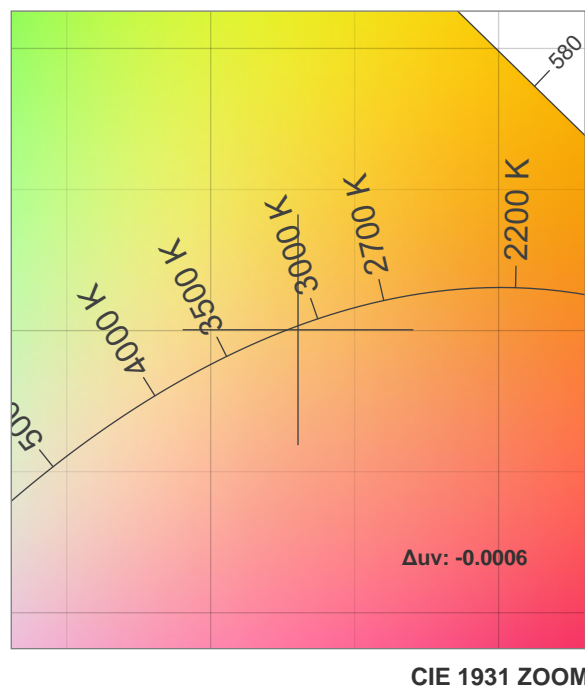
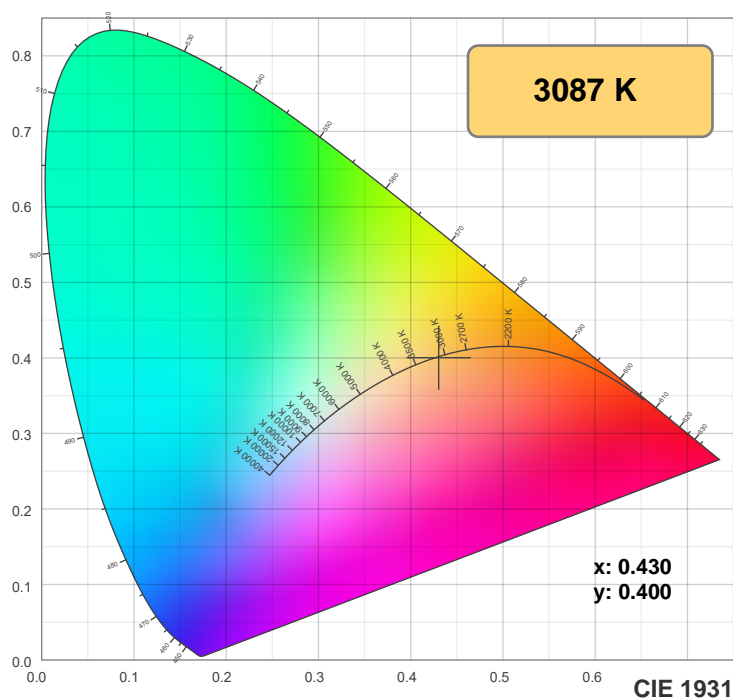
CIE 1931
x: 0.430
y: 0.400

Spectra

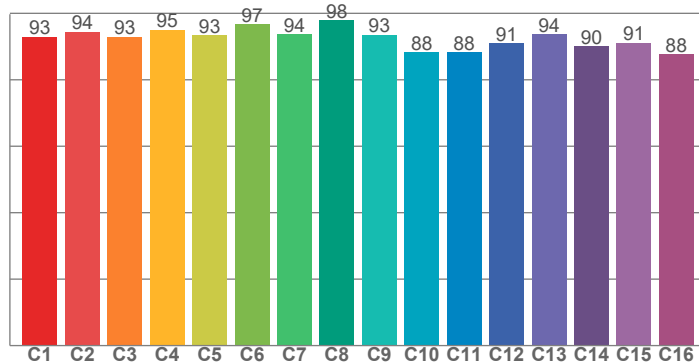


Power

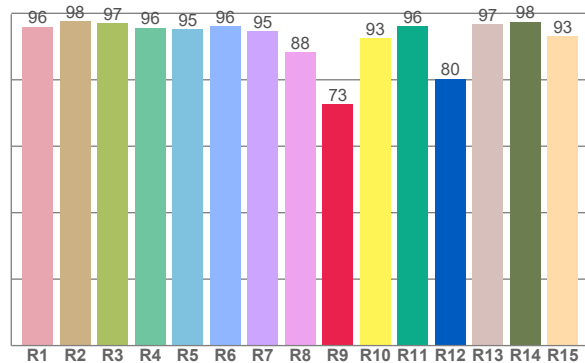




TM30: 92.5



CRI: 95.1 (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
96.0	97.6	97.1	95.7	95.1	96.1	94.7	88.2	72.6	92.5	96.2	80.3	96.7	97.5	93.1

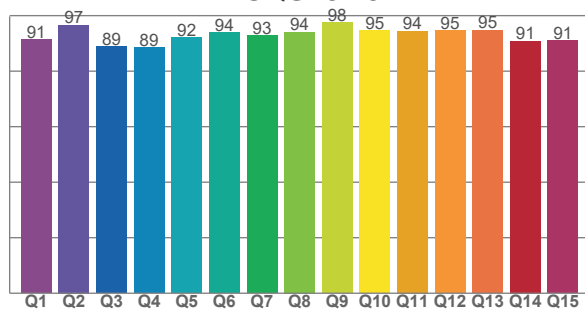
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
92.9	94.5	92.8	95.0	93.3	96.7	93.7	97.9	93.5	88.3	88.3	90.9	93.6	90.0	91.0	87.7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91.4	96.6	88.9	88.5	92.1	93.9	92.8	94.1	97.5	94.7	94.4	94.6	94.7	90.9	91.1

CQS: 92.5



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	Δuv
3087 K	95.1	72.6	92.5	99.8	92.5	0.430	0.400	0.248	0.346	-0.0006

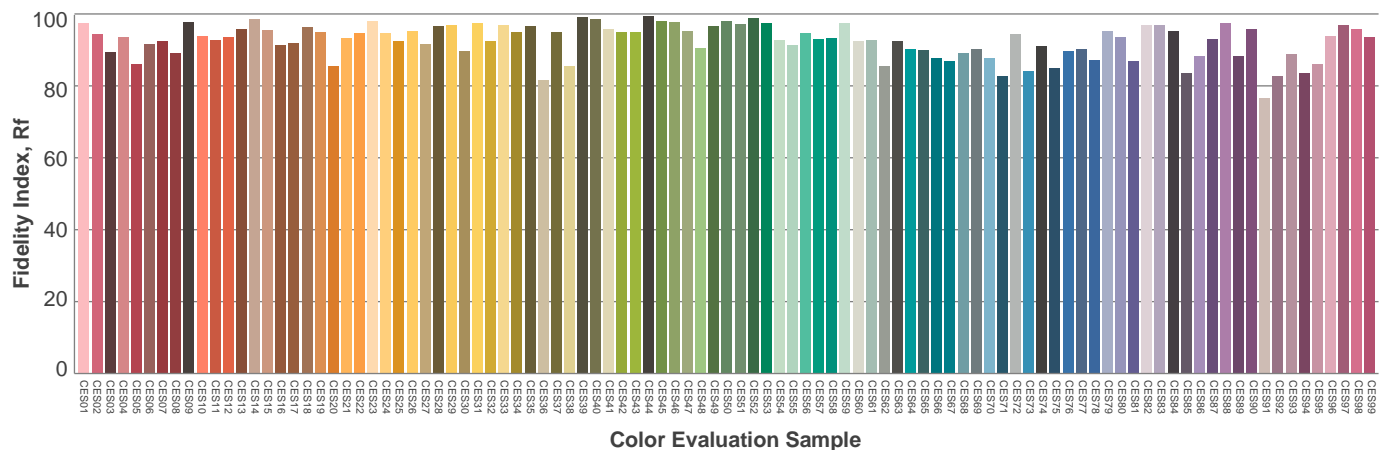
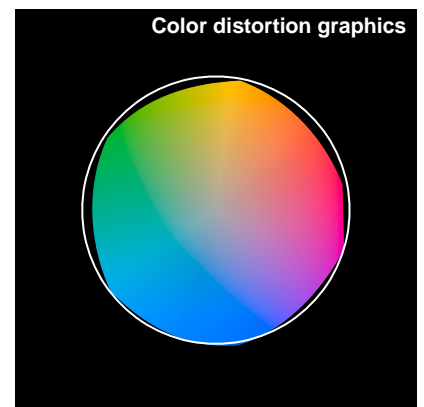
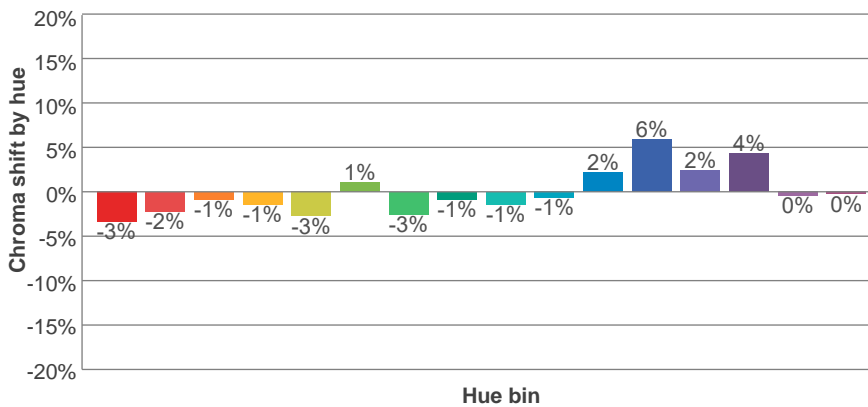
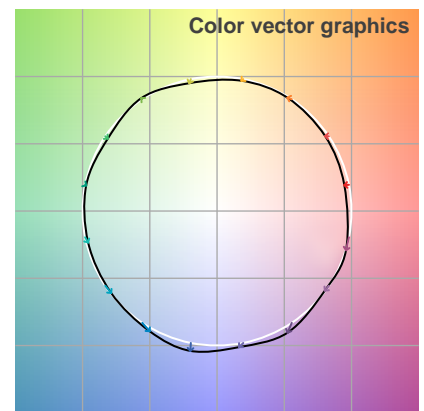
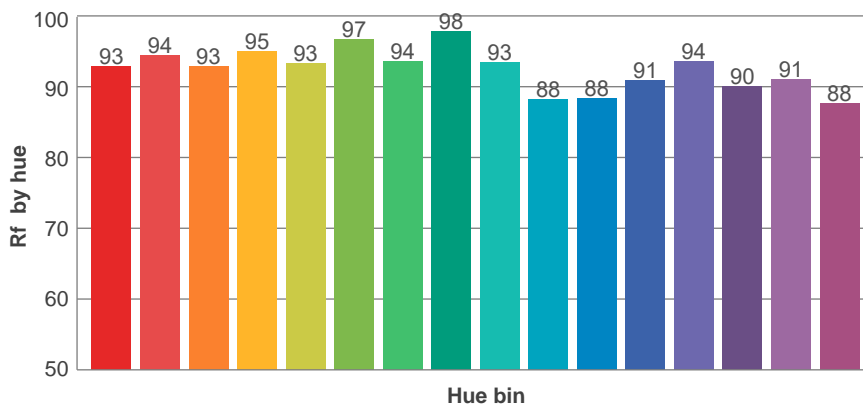
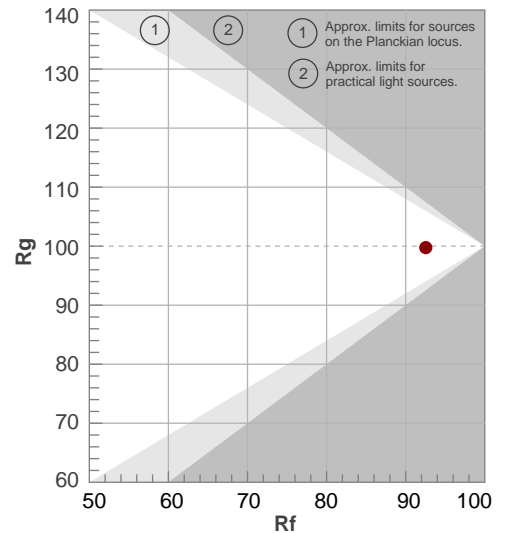
Rf 92.5

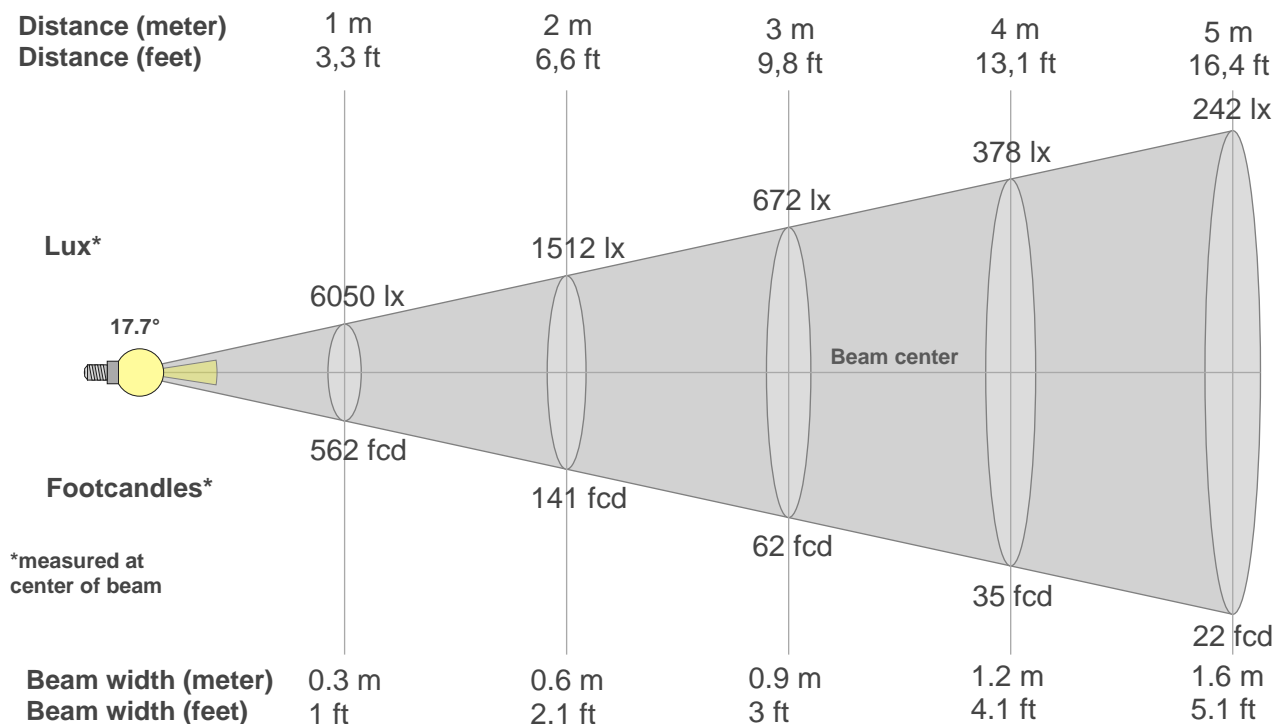
Fidelity index Rf

Rg 99.8

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	-3%	0%
2	94	-2%	2%
3	93	-1%	3%
4	95	-1%	1%
5	93	-3%	2%
6	97	1%	0%
7	94	-3%	0%
8	98	-1%	0%
9	93	-1%	4%
10	88	-1%	7%
11	88	2%	8%
12	91	6%	1%
13	94	2%	-4%
14	90	4%	-7%
15	91	0%	-5%
16	88	0%	-10%





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
6050lx	1512lx	672lx	378lx	242lx	168lx	123lx	95lx	75lx	60lx	50lx	42lx	36lx	31lx	27lx	24lx	21lx	19lx	17lx	15lx
562.1fcd	140.5fcd	62.5fcd	35.1fcd	22.5fcd	15.6fcd	11.5fcd	8.8fcd	6.9fcd	5.6fcd	4.6fcd	3.9fcd	3.3fcd	2.9fcd	2.5fcd	2.2fcd	1.9fcd	1.7fcd	1.6fcd	1.4fcd

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°
6050	5973	5801	5528	5180	4792	4350	3868	3391	2966	2593	2263	1963	1695	1457	1253	1058	886	721	568
100%	99%	96%	91%	86%	79%	72%	64%	56%	49%	43%	37%	32%	28%	24%	21%	17%	15%	12%	9%

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°
6050	5996	5839	5574	5227	4823	4373	3892	3382	2917	2521	2185	1896	1635	1388	1149	926	740	588	465
100%	99%	97%	92%	86%	80%	72%	64%	56%	48%	42%	36%	31%	27%	23%	19%	15%	12%	10%	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°
6050	5996	5828	5570	5226	4807	4353	3876	3402	2969	2585	2255	1970	1719	1500	1311	1146	985	835	691
100%	99%	96%	92%	86%	79%	72%	64%	56%	49%	43%	37%	33%	28%	25%	22%	19%	16%	14%	11%

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°
6050	5976	5793	5511	5143	4722	4278	3815	3350	2934	2573	2260	1986	1738	1511	1312	1132	973	831	706
100%	99%	96%	91%	85%	78%	71%	63%	55%	48%	43%	37%	33%	29%	25%	22%	19%	16%	14%	12%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
17.7°	37.8°	48.6°	99.6%	99.3%