

Light efficiency:

45 Lumen/Watt

Light quality:

CRI: 94.9

Color temperature:

3087 K

Output: 864 lm

Peak: 6171 cd

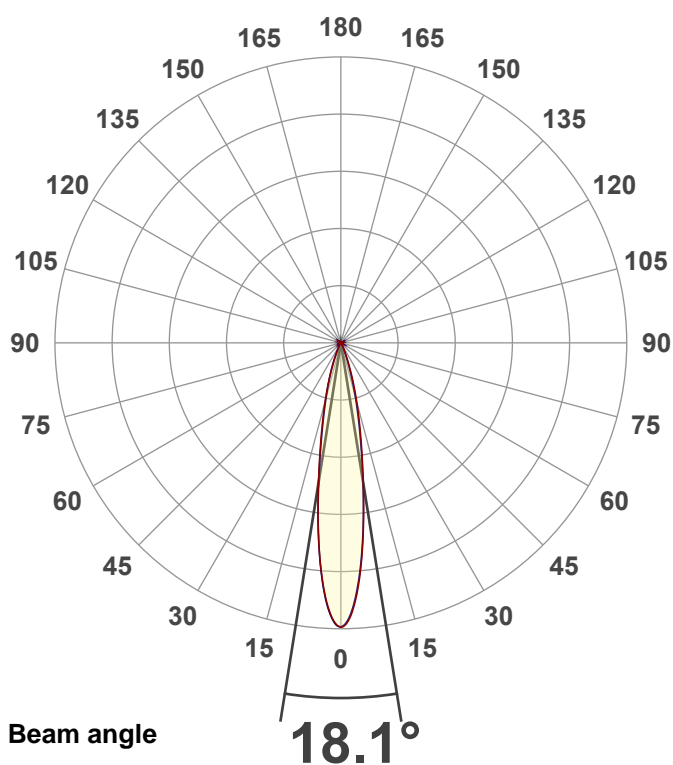
Power: 19.0 W

PF: 0.97



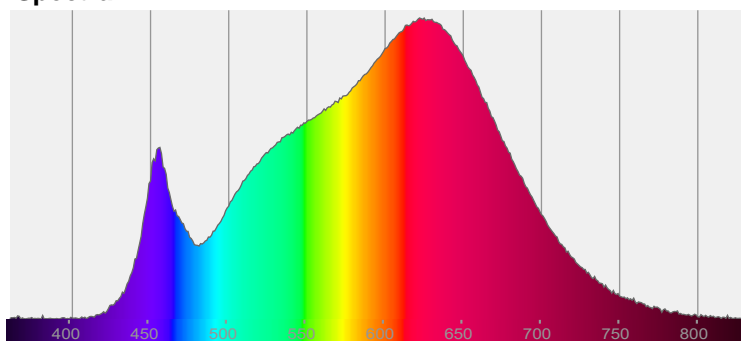
NU3-RA-WD-15LM-3018-97-15D-NA-SBL-WH-WH

Date and time:
7/13/2022 3:36:27 PM

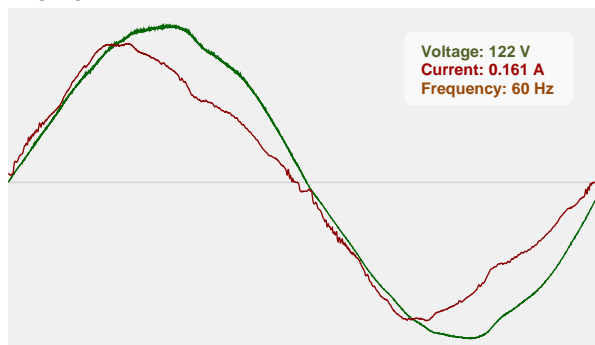


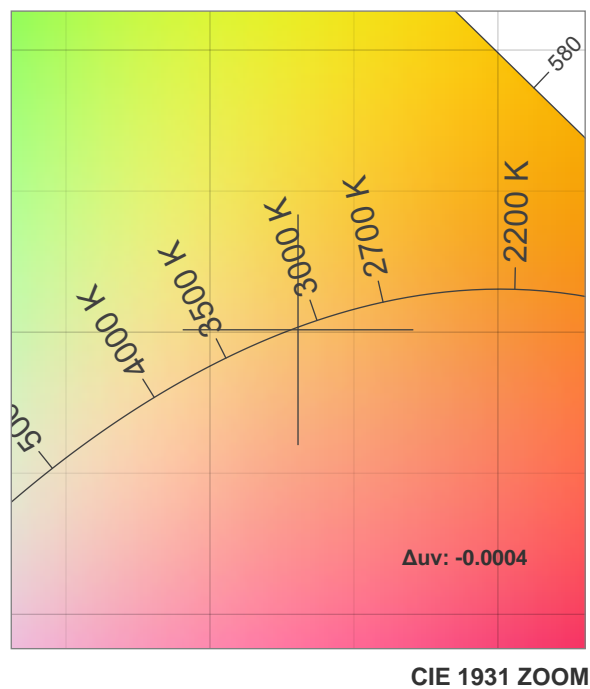
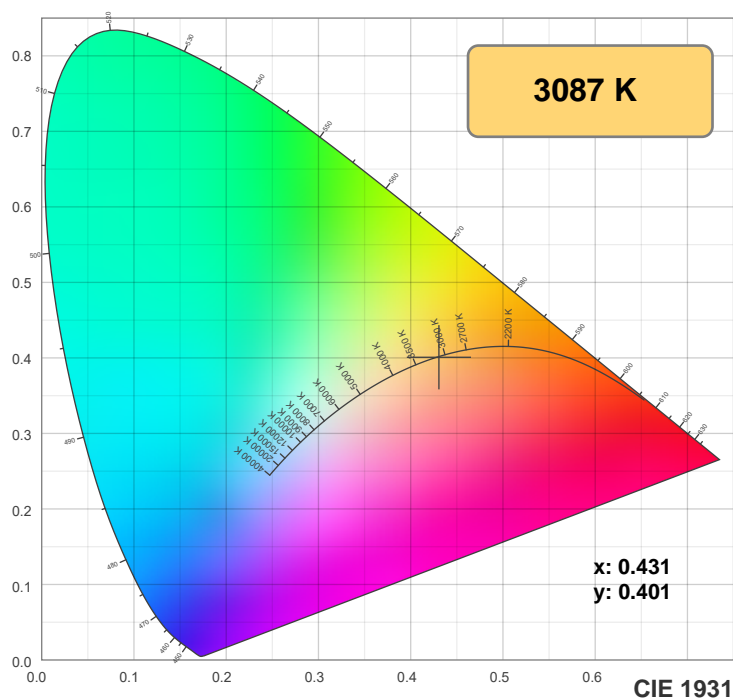
CIE 1931
x: 0.431
y: 0.401

Spectra

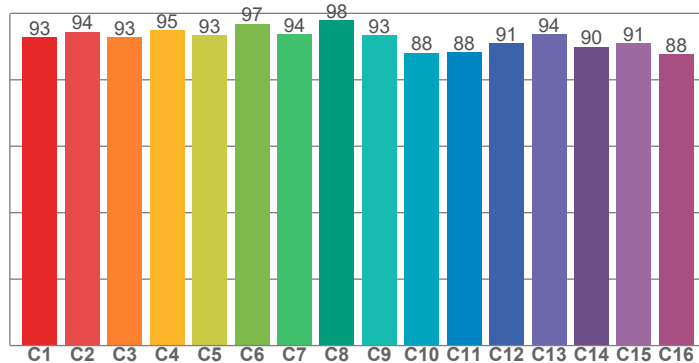


Power

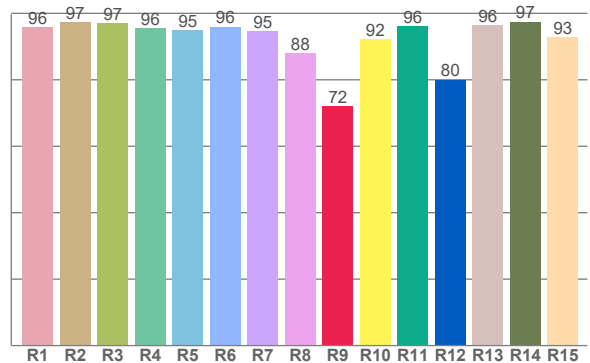




TM30: 92.5



CRI: 94.9 (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
95.8	97.4	97.0	95.5	94.9	96.0	94.7	88.0	72.1	92.2	96.0	80.0	96.5	97.5	92.9

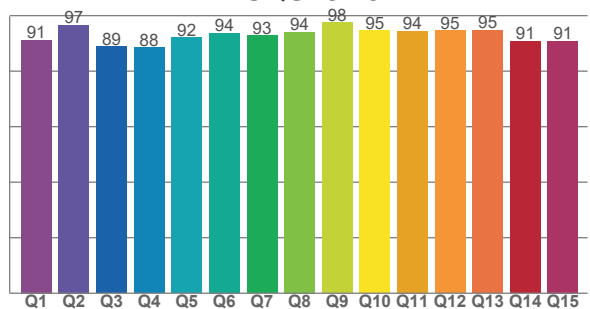
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
92.8	94.4	92.8	94.9	93.3	96.8	93.6	97.8	93.4	88.1	88.2	90.9	93.6	90.0	91.0	87.6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91.3	96.6	88.9	88.5	92.0	93.8	92.9	94.1	97.5	94.7	94.4	94.6	94.7	90.8	90.9

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	94.9	72.1	92.5	99.6	92.5	0.431	0.401	0.248	0.346	-0.0004

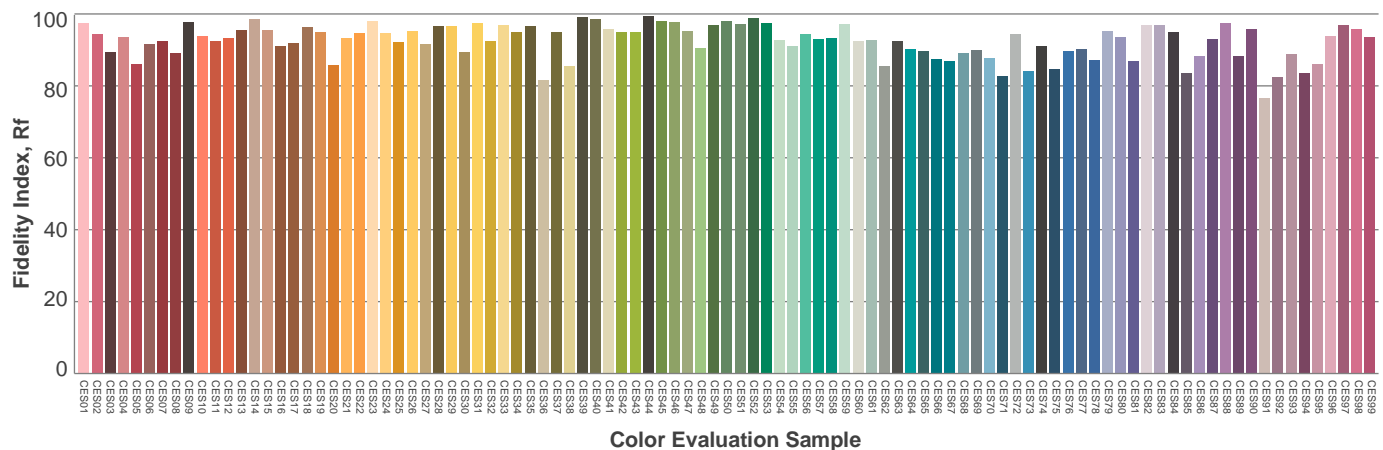
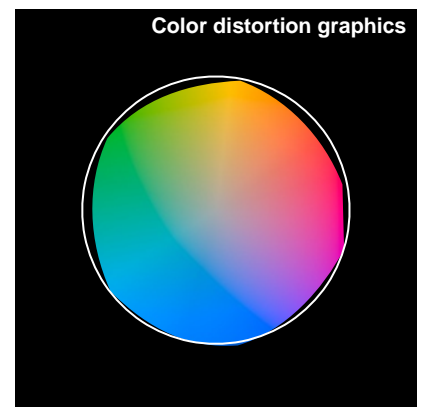
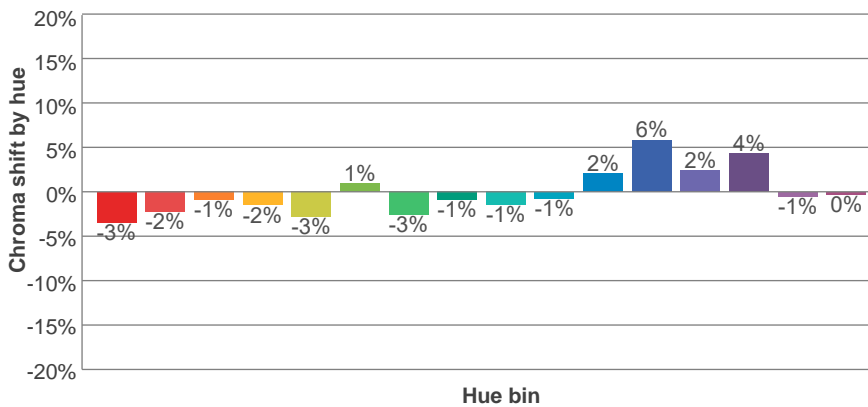
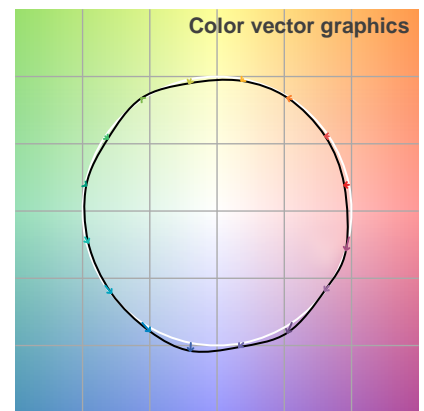
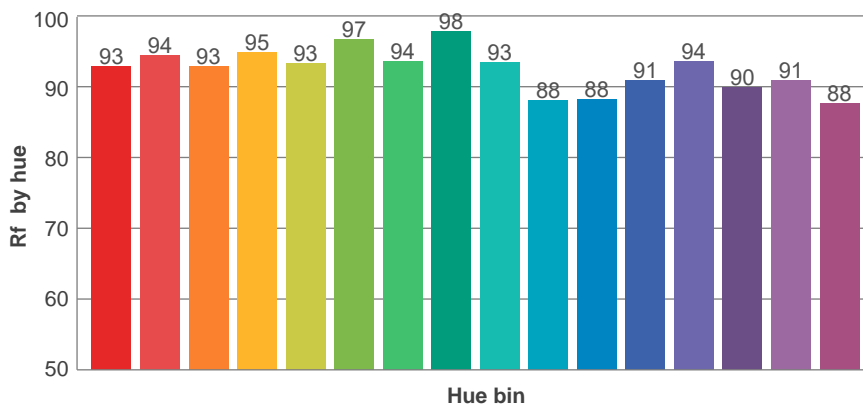
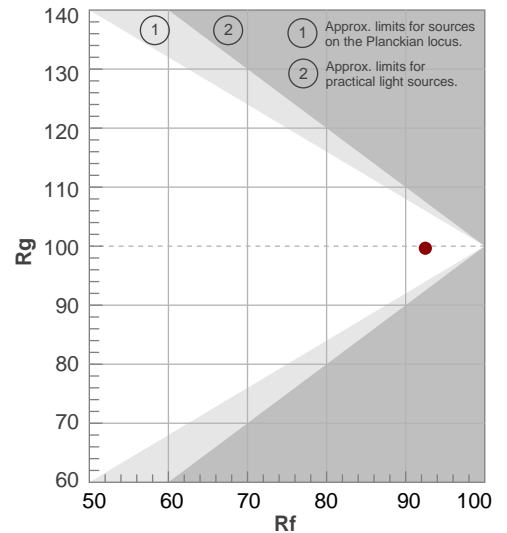
Rf 92.5

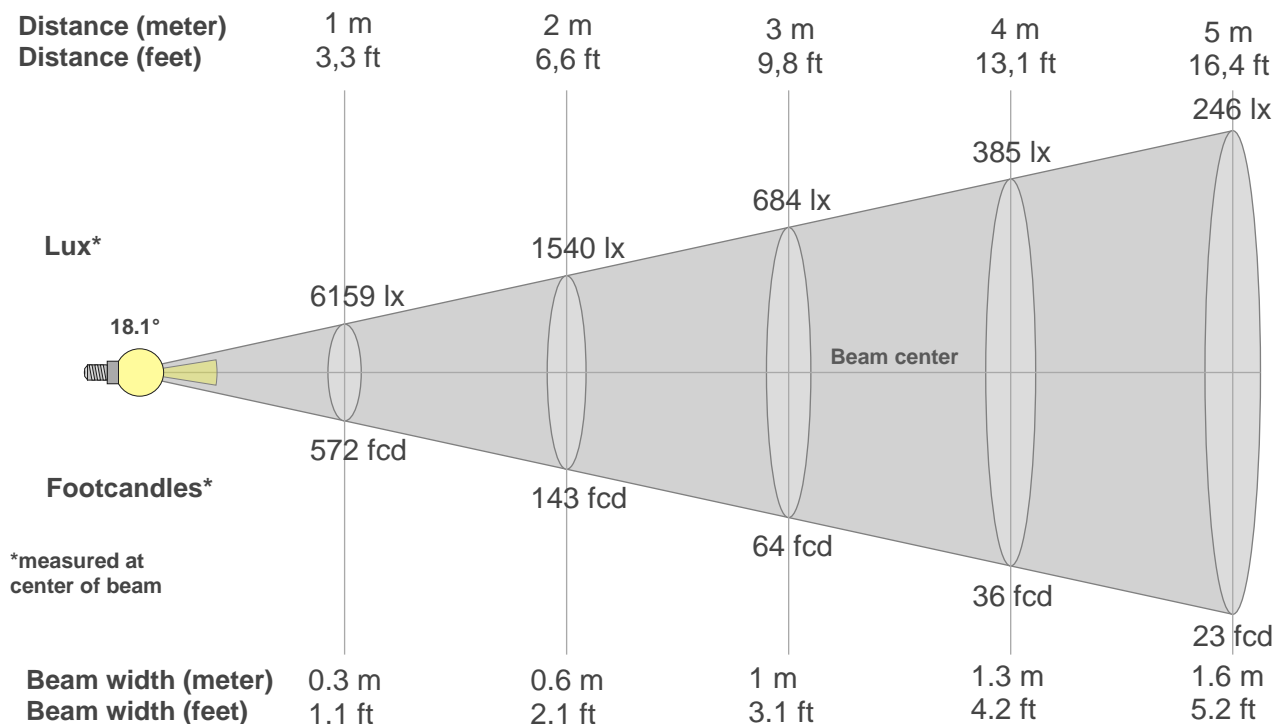
Fidelity index Rf

Rg 99.6

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	-2%	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	-1%	-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
6159lx	1540lx	684lx	385lx	246lx	171lx	126lx	96lx	76lx	62lx	51lx	43lx	36lx	31lx	27lx	24lx	21lx	19lx	17lx	15lx
572.2fcd	143fcd	63.6fcd	35.8fcd	22.9fcd	15.9fcd	11.7fcd	8.9fcd	7.1fcd	5.7fcd	4.7fcd	4fcd	3.4fcd	2.9fcd	2.5fcd	2.2fcd	2fcd	1.8fcd	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°
6159	6104	5938	5671	5329	4928	4483	4018	3549	3114	2724	2379	2073	1801	1557	1338	1138	958	797	650
100%	99%	96%	92%	87%	80%	73%	65%	58%	51%	44%	39%	34%	29%	25%	22%	18%	16%	13%	11%

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°
6159	6082	5897	5619	5270	4873	4435	3977	3518	3076	2666	2298	1974	1692	1442	1213	1009	826	669	533
100%	99%	96%	91%	86%	79%	72%	65%	57%	50%	43%	37%	32%	27%	23%	20%	16%	13%	11%	9%

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°
6159	6094	5925	5665	5329	4934	4499	4033	3564	3117	2708	2350	2041	1770	1534	1323	1131	956	799	656
100%	99%	96%	92%	87%	80%	73%	65%	58%	51%	44%	38%	33%	29%	25%	21%	18%	16%	13%	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°
6159	6117	5953	5699	5358	4952	4501	4025	3539	3076	2650	2275	1955	1683	1451	1250	1076	921	786	667
100%	99%	97%	93%	87%	80%	73%	65%	57%	50%	43%	37%	32%	27%	24%	20%	17%	15%	13%	11%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18.1°	38.2°	49.8°	99.6%	99.2%