

Light efficiency:

46 Lumen/Watt

Light quality:

CRI: 94.8

Color temperature:

3086 K

Output: 863 lm

Peak: 4278 cd

Power: 18.9 W

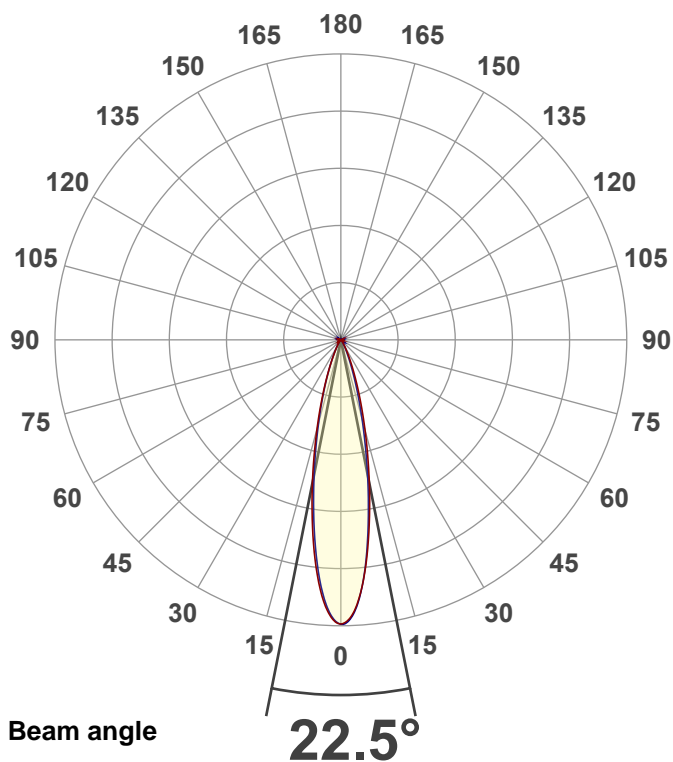
PF: 0.97



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

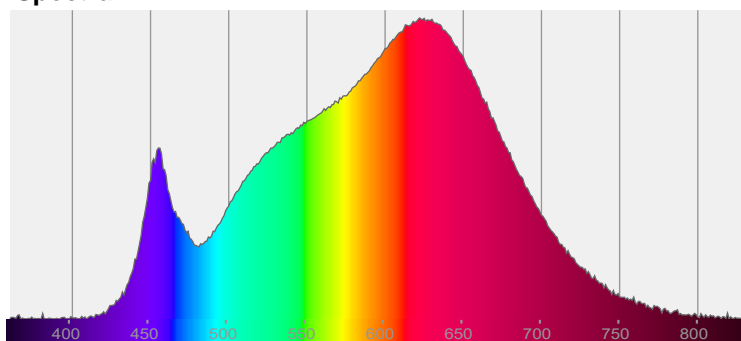
Date and time:

7/15/2022 9:31:24 AM

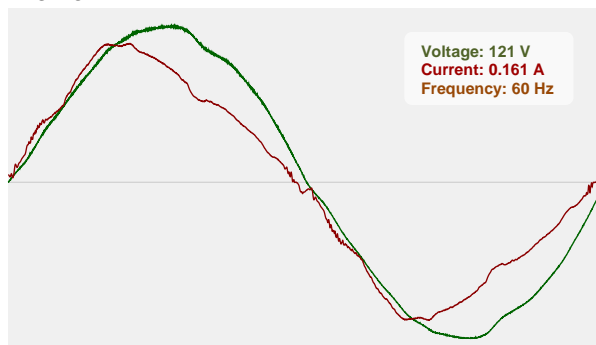


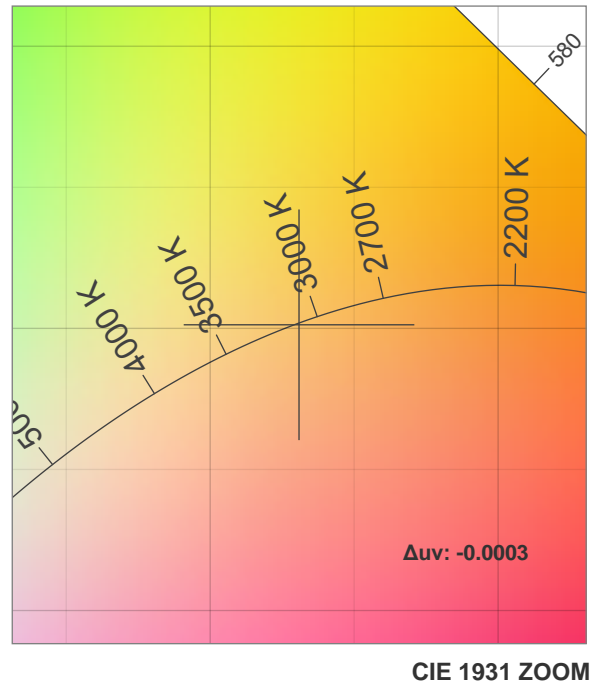
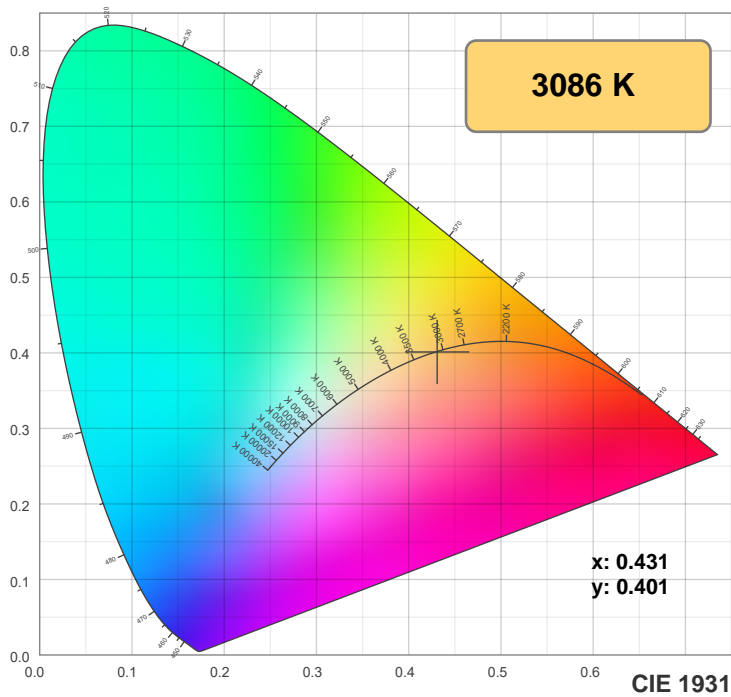
CIE 1931
x: 0.431
y: 0.401

Spectra

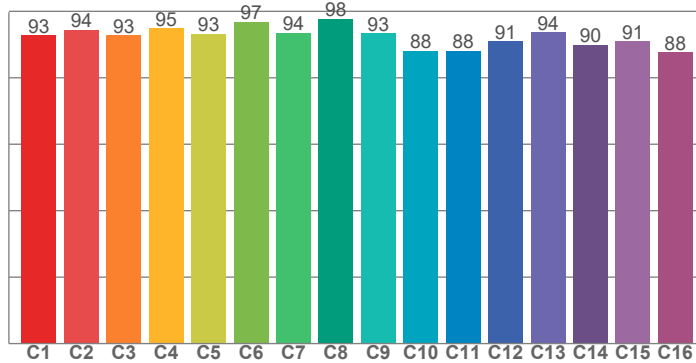


Power

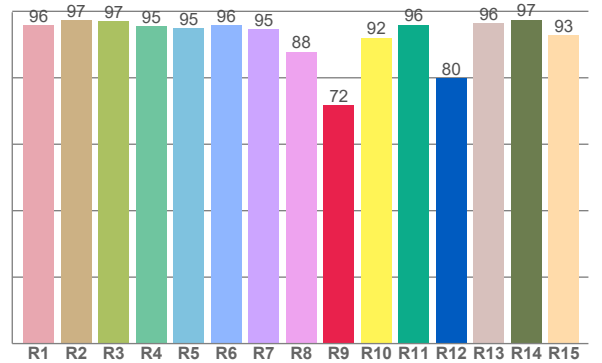




TM30: 92.5



CRI: 94.8 (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
95.7	97.3	96.9	95.5	94.8	95.9	94.7	87.9	71.7	92.0	96.0	79.8	96.3	97.4	92.7

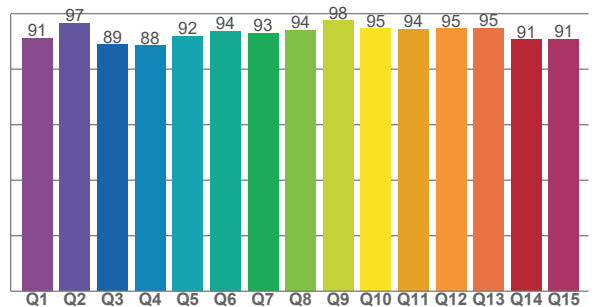
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
92.7	94.4	92.8	94.9	93.3	96.8	93.6	97.8	93.4	88.1	88.2	90.9	93.6	89.9	90.9	87.6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91.2	96.5	88.9	88.5	92.0	93.7	92.9	94.2	97.5	94.7	94.5	94.7	94.7	90.7	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
3086 K	94.8	71.7	92.5	99.6	92.5	0.431	0.401	0.248	0.346	-0.0003

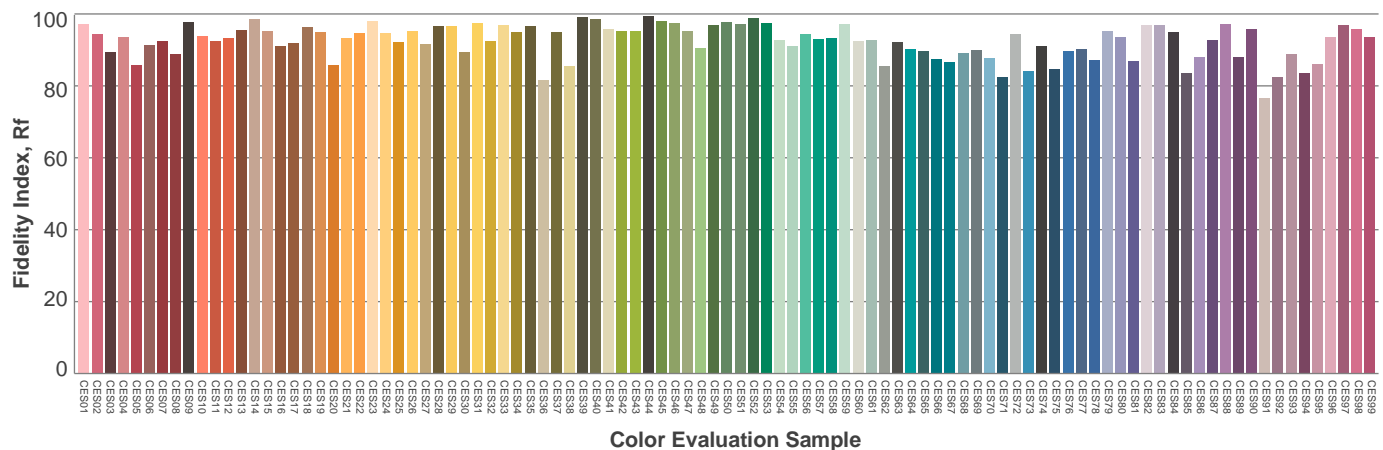
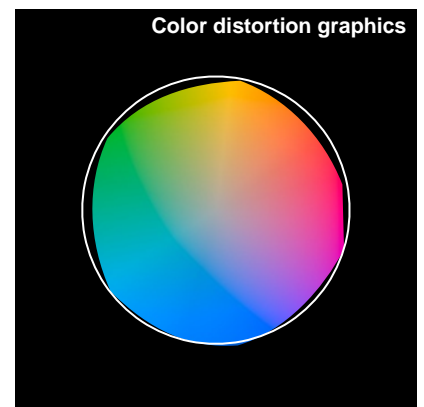
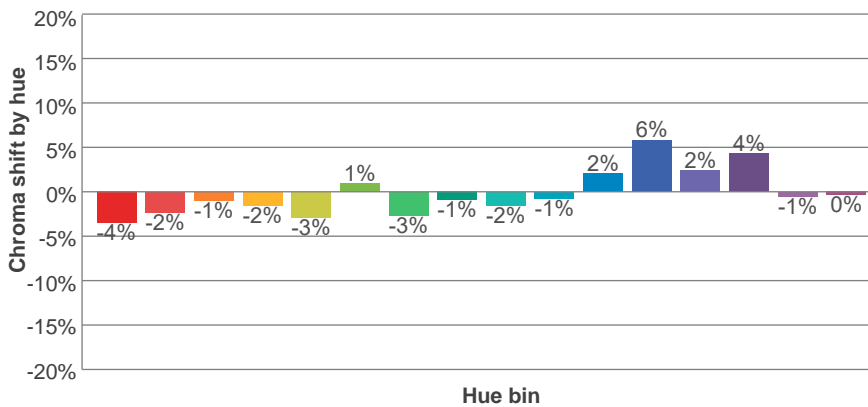
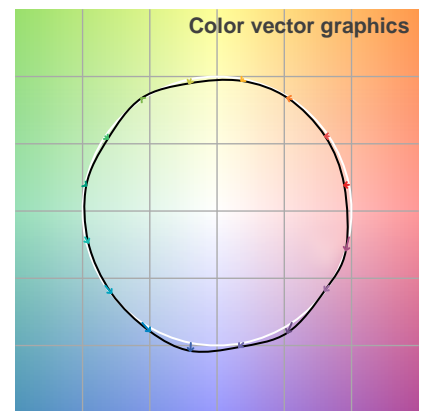
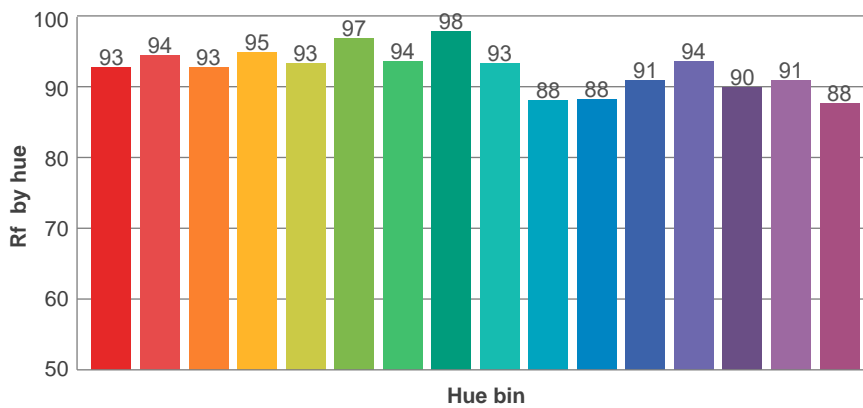
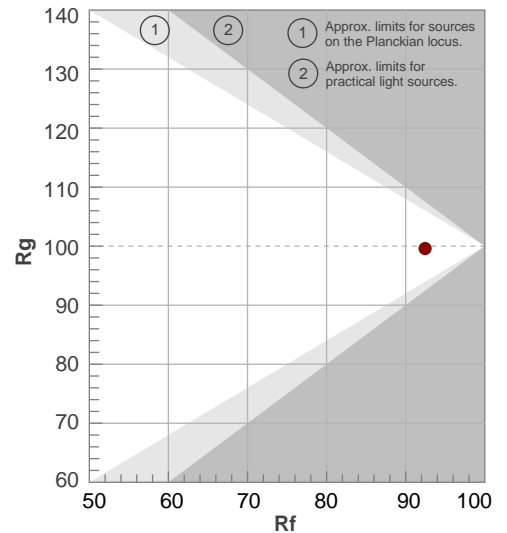
Rf 92.5

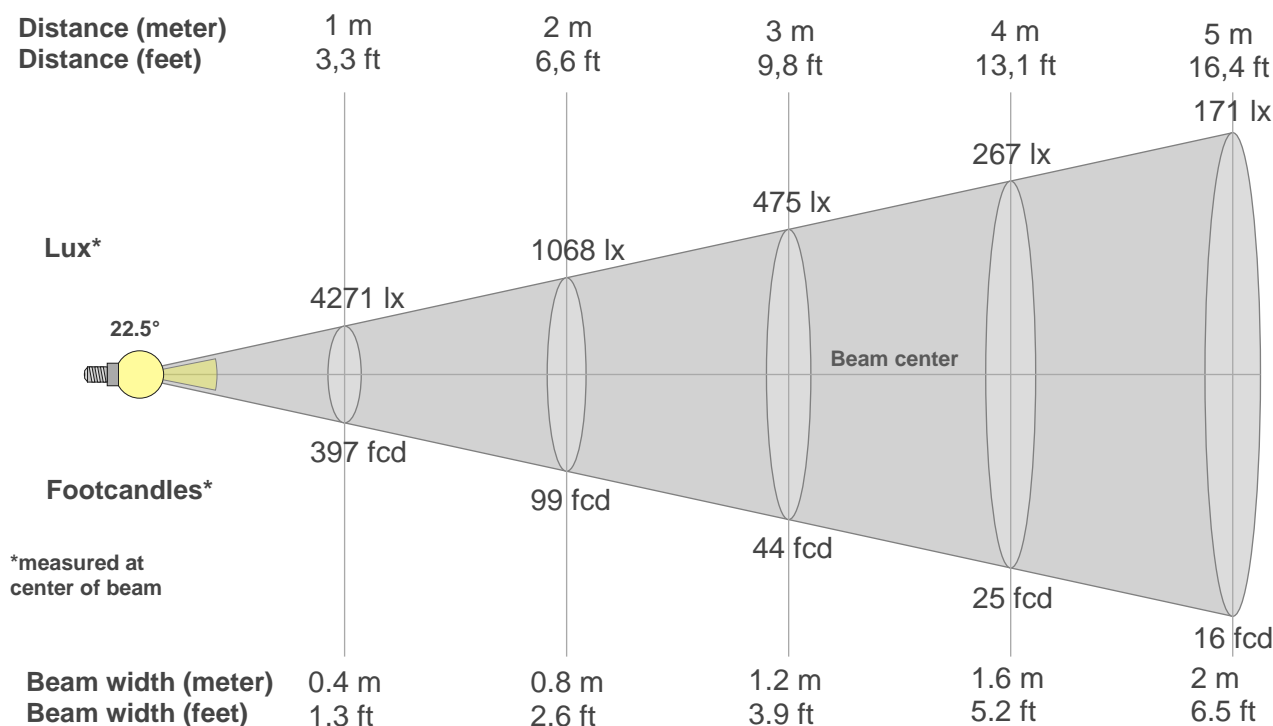
Fidelity index Rf

Rg 99.6

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	-4%	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	-2%	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
4271lx	1068lx	475lx	267lx	171lx	119lx	87lx	67lx	53lx	43lx	35lx	30lx	25lx	22lx	19lx	17lx	15lx	13lx	12lx	11lx
396.8fcd	99.2fcd	44.1fcd	24.8fcd	15.9fcd	11fcd	8.1fcd	6.2fcd	4.9fcd	4fcd	3.3fcd	2.8fcd	2.3fcd	2fcd	1.8fcd	1.5fcd	1.4fcd	1.2fcd	1.1fcd	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°
4271	4175	3899	3485	2994	2494	2019	1597	1231	932	692	503	361	257	180	130	92	66	49	37
100%	98%	91%	82%	70%	58%	47%	37%	29%	22%	16%	12%	8%	6%	4%	3%	2%	2%	1%	1%

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°
4271	4190	3908	3464	2925	2378	1868	1426	1058	766	542	380	260	179	122	84	58	42	30	21
100%	98%	91%	81%	68%	56%	44%	33%	25%	18%	13%	9%	6%	4%	3%	2%	1%	1%	1%	0%

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°
4271	4172	3899	3488	3002	2497	2017	1580	1210	901	657	468	329	228	159	113	79	58	42	31
100%	98%	91%	82%	70%	58%	47%	37%	28%	21%	15%	11%	8%	5%	4%	3%	2%	1%	1%	1%

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°
4271	4146	3837	3391	2879	2361	1888	1474	1131	849	626	450	319	221	153	106	75	54	40	30
100%	97%	90%	79%	67%	55%	44%	35%	26%	20%	15%	11%	7%	5%	4%	2%	2%	1%	1%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
22.5°	44.7°	60.1°	99.3%	98.5%