

Light efficiency:

45 Lumen/Watt

Light quality:

CRI: 92.0

Color temperature:

3036 K

Output: 620 lm

Peak: 3806 cd

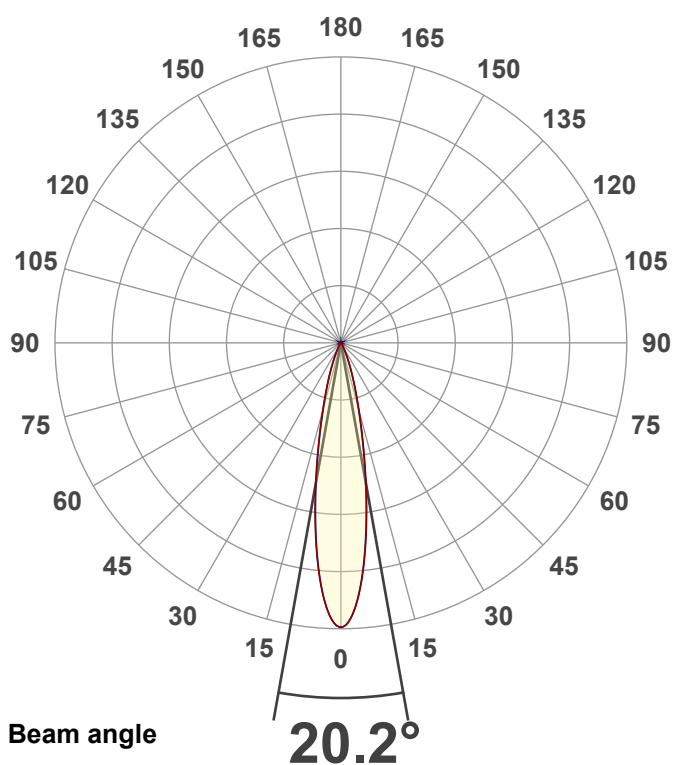
Power: 13.8 W

PF: 0.96



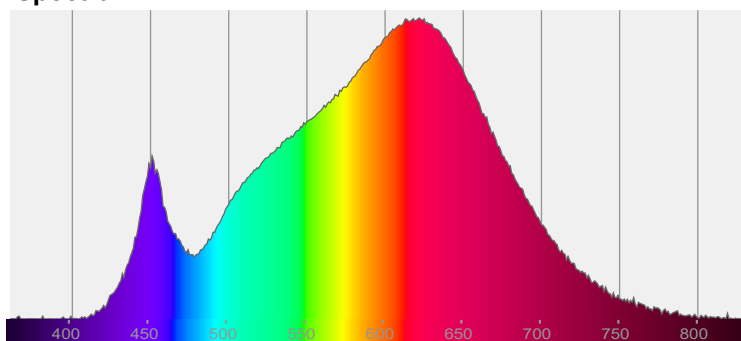
NU1-RA-SW-13LM-30K-90-22D-SBLA-HCL-WH-WH

Date and time:
12/19/2024 1:55:37 PM

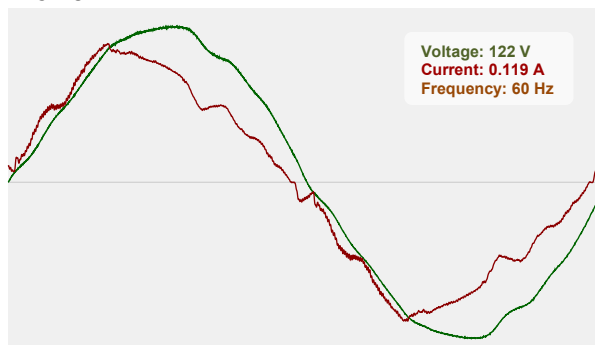


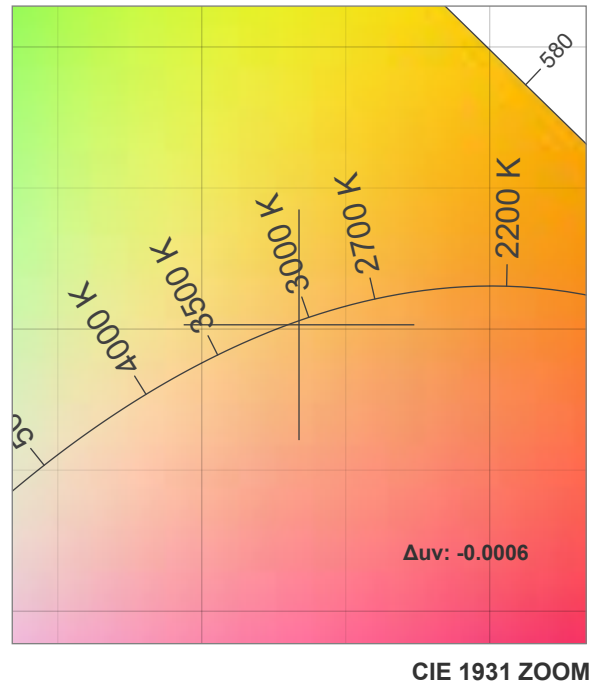
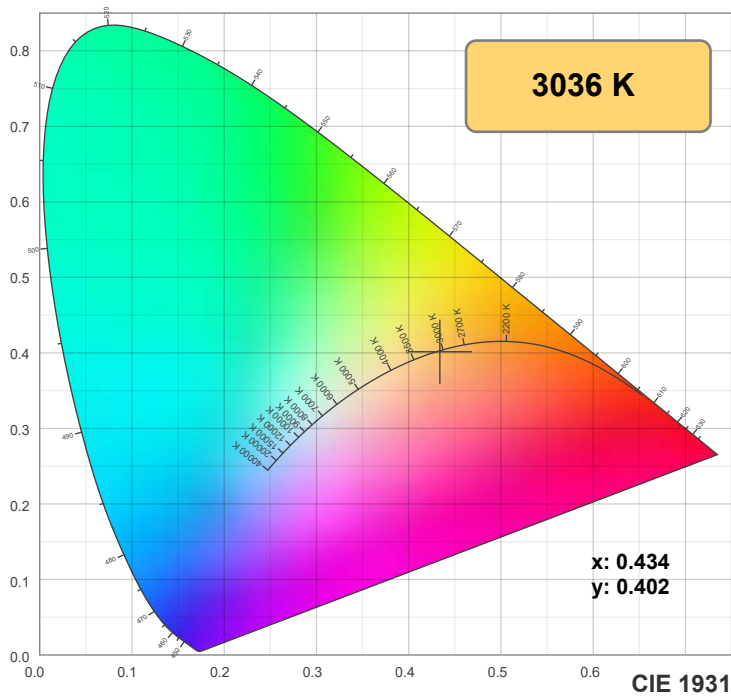
CIE 1931
x: 0.434
y: 0.402

Spectra

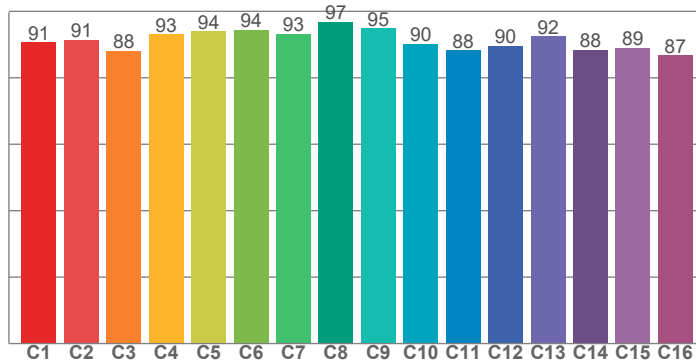


Power

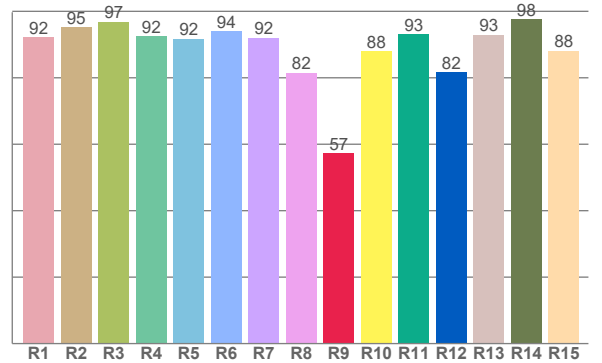




TM30: 91.4



CRI: 92.0 (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
92.1	95.3	96.9	92.5	91.8	94.0	92.1	81.5	57.3	88.1	93.1	81.7	92.9	97.7	88.1

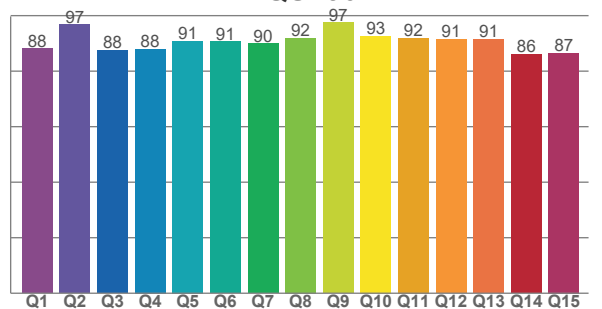
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90.7	91.5	88.1	93.1	94.0	94.4	93.1	96.8	94.9	90.3	88.2	89.6	92.5	88.5	89.1	86.7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
88.1	96.8	87.5	87.9	90.9	90.7	89.9	91.9	97.5	92.6	91.9	91.5	91.5	86.1	86.5

CQS: 90.1



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
3036 K	92.0	57.3	91.4	100.1	90.1	0.434	0.402	0.250	0.347	-0.0006

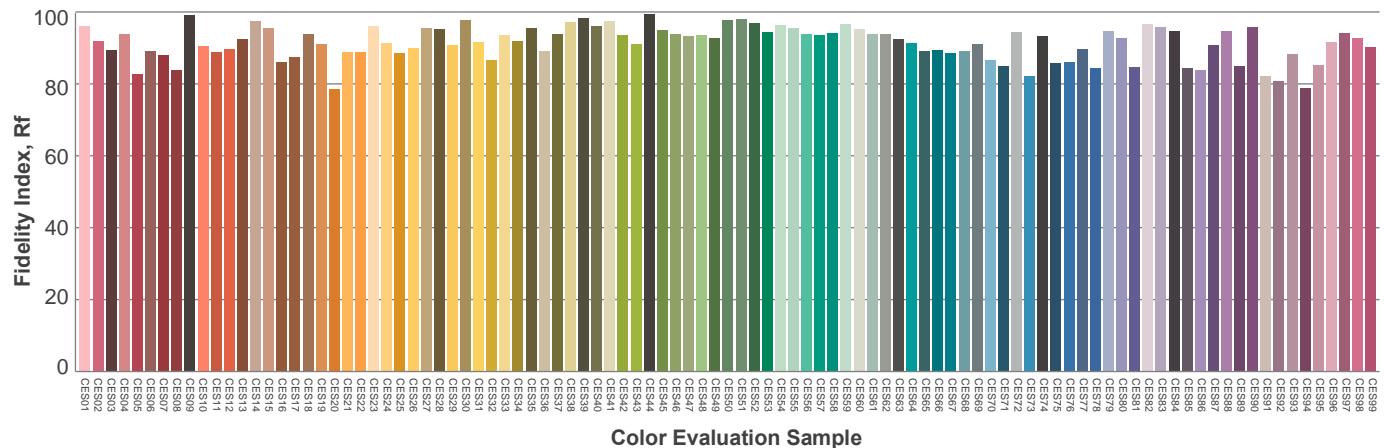
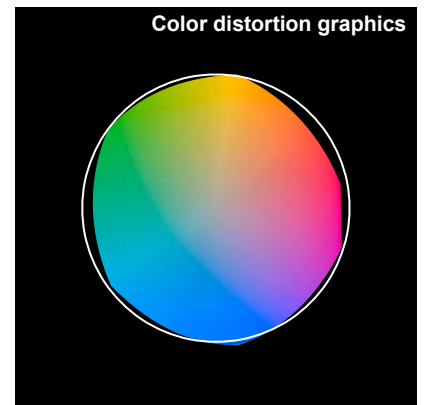
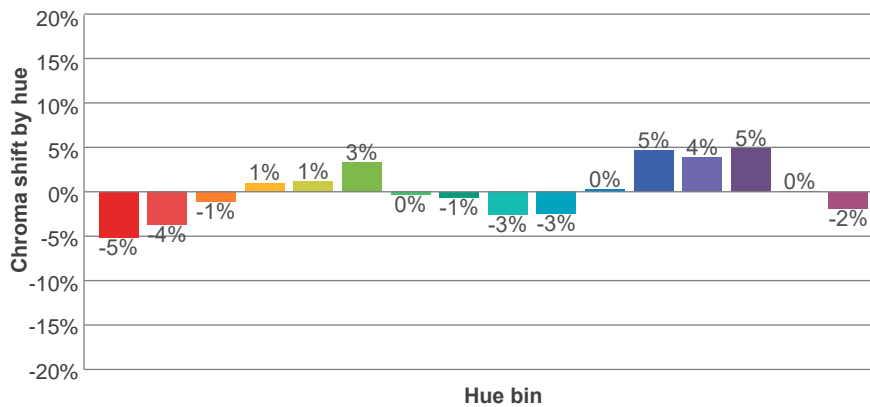
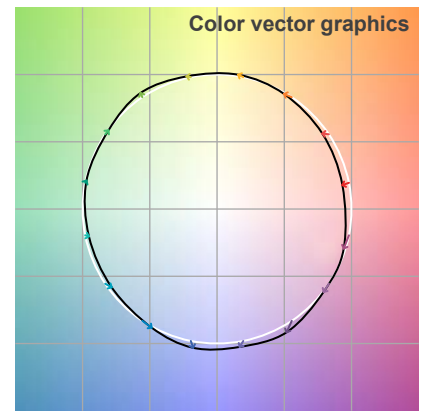
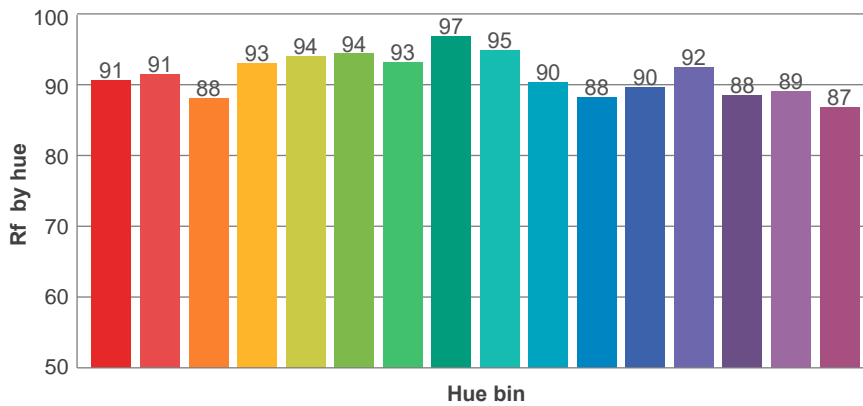
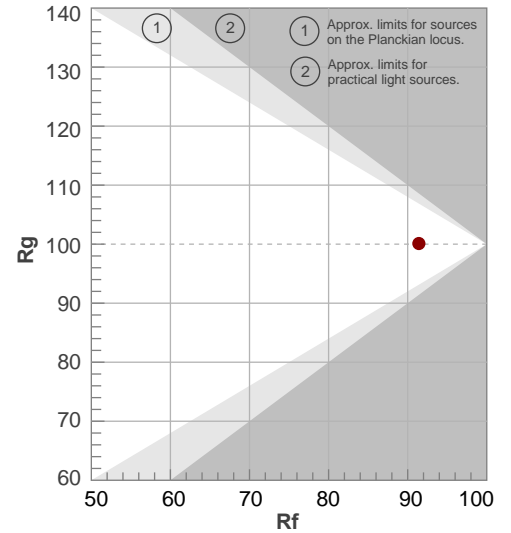
Rf 91.4

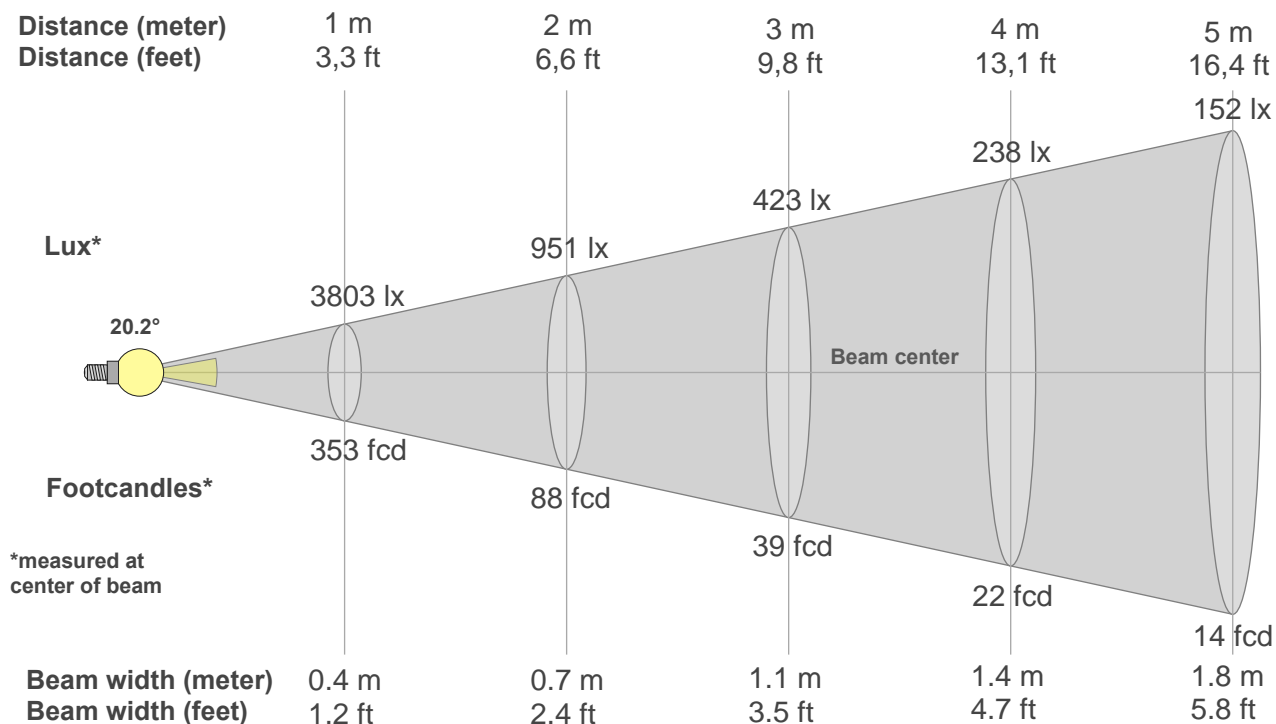
Fidelity index Rf

Rg 100.1

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	91	-5%	-1%
2	91	-4%	3%
3	88	-1%	6%
4	93	1%	4%
5	94	1%	3%
6	94	3%	-1%
7	93	0%	-4%
8	97	-1%	-2%
9	95	-3%	1%
10	90	-3%	5%
11	88	0%	9%
12	90	5%	3%
13	92	4%	-3%
14	88	5%	-8%
15	89	0%	-7%
16	87	-2%	-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
3803lx	951lx	423lx	238lx	152lx	106lx	78lx	59lx	47lx	38lx	31lx	26lx	23lx	19lx	17lx	15lx	13lx	12lx	11lx	10lx
353.3fcd	88.3fcd	39.3fcd	22.1fcd	14.1fcd	9.8fcd	7.2fcd	5.5fcd	4.4fcd	3.5fcd	2.9fcd	2.5fcd	2.1fcd	1.8fcd	1.6fcd	1.4fcd	1.2fcd	1.1fcd	1fcd	0.9fcd

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°
3803	3692	3394	2965	2462	1951	1483	1099	805	587	422	291	189	116	74	49	36	26	20	15
100%	97%	89%	78%	65%	51%	39%	29%	21%	15%	11%	8%	5%	3%	2%	1%	1%	1%	1%	0%

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°
3803	3689	3384	2944	2432	1913	1443	1060	773	562	401	278	185	119	74	49	35	28	22	15
100%	97%	89%	77%	64%	50%	38%	28%	20%	15%	11%	7%	5%	3%	2%	1%	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°
3803	3692	3394	2965	2462	1951	1483	1099	805	587	422	291	189	116	74	49	36	26	20	15
100%	97%	89%	78%	65%	51%	39%	29%	21%	15%	11%	8%	5%	3%	2%	1%	1%	1%	1%	0%

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°
3803	3689	3384	2944	2432	1913	1443	1060	773	562	401	278	185	119	74	49	35	28	22	15
100%	97%	89%	77%	64%	50%	38%	28%	20%	15%	11%	7%	5%	3%	2%	1%	1%	1%	1%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
20.2°	40.9°	53.7°	99.9%	99.5%