

Light efficiency:

75 Lumen/Watt

Light quality:

CRI: 82.6

Color temperature:

3090 K

Output: 974 lm

Peak: 3634 cd

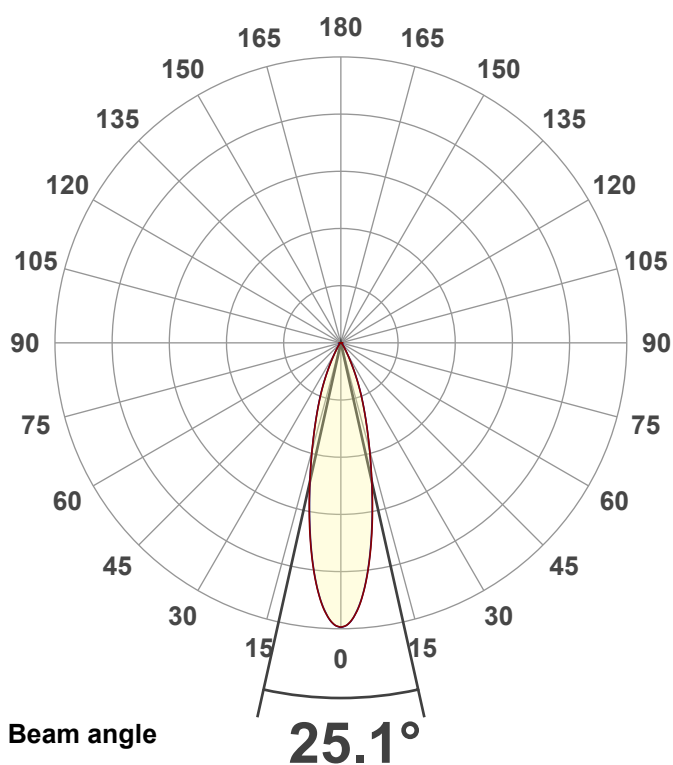
Power: 13.0 W

PF: 0.95



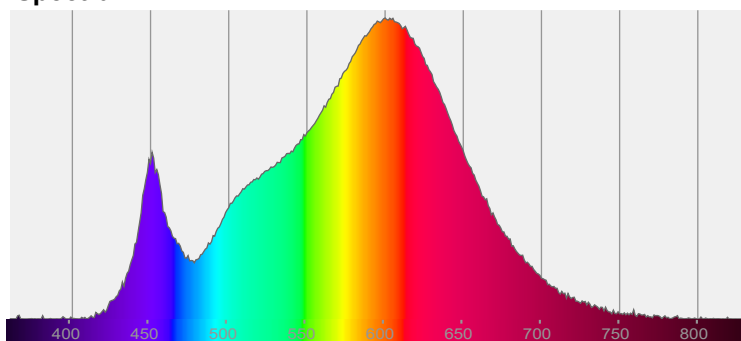
NU1-RA-SW-13LM-30K-80-22D-HETA-
NL-WH-WH

Date and time:
8/20/2024 2:03:59 PM

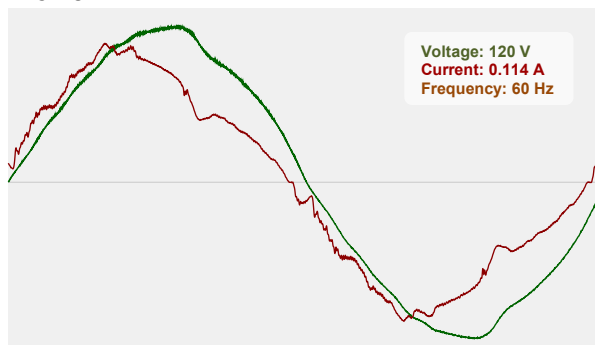


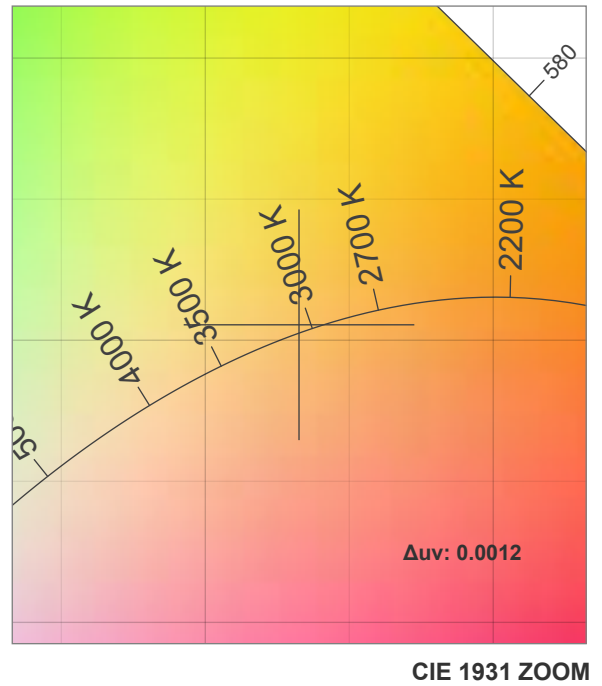
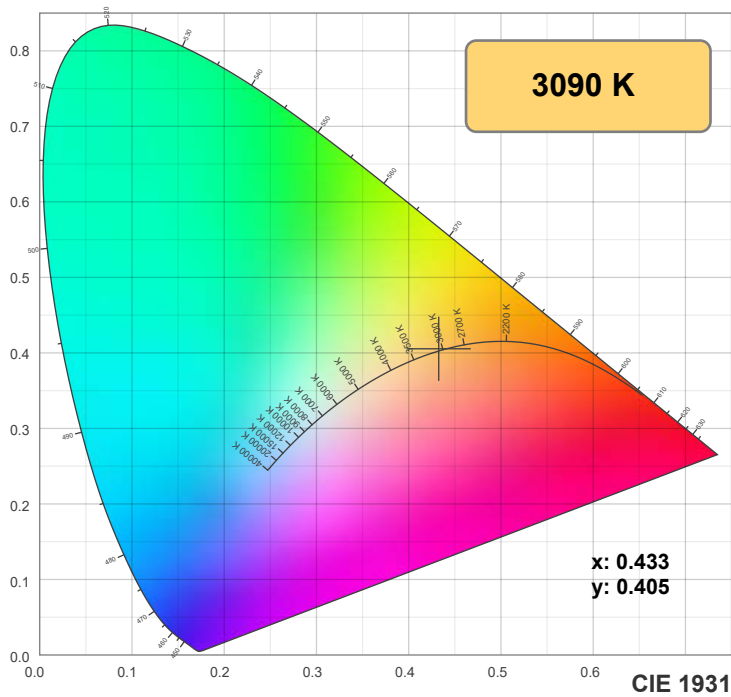
CIE 1931
x: 0.433
y: 0.405

Spectra

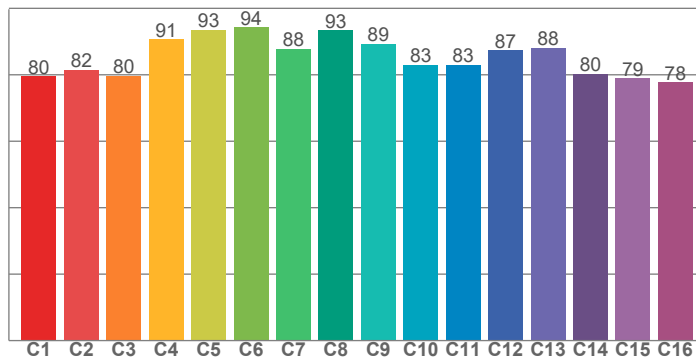


Power

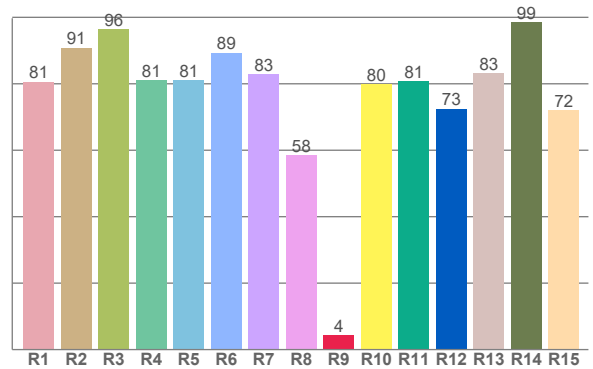




TM30: 85.5



CRI: 82.6 (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
80.7	90.9	96.4	81.1	81.1	89.3	82.9	58.5	4.3	79.8	80.8	72.5	83.1	98.5	72.0

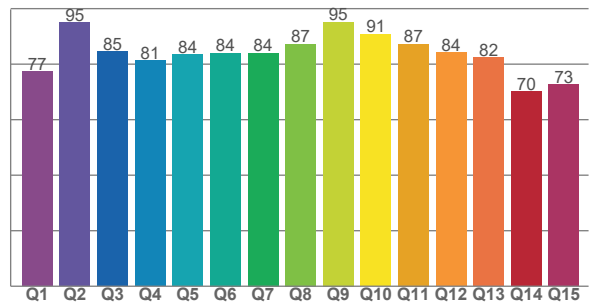
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
79.6	81.5	79.6	90.6	93.5	94.2	87.7	93.3	89.3	83.0	83.0	87.4	88.2	80.2	78.9	77.8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77.4	95.0	84.5	81.3	83.5	83.9	84.0	87.3	95.1	90.7	87.3	84.2	82.4	70.1	72.6

CQS: 82.5



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
3090 K	82.6	4.3	85.5	95.3	82.5	0.433	0.405	0.247	0.348	0.0012

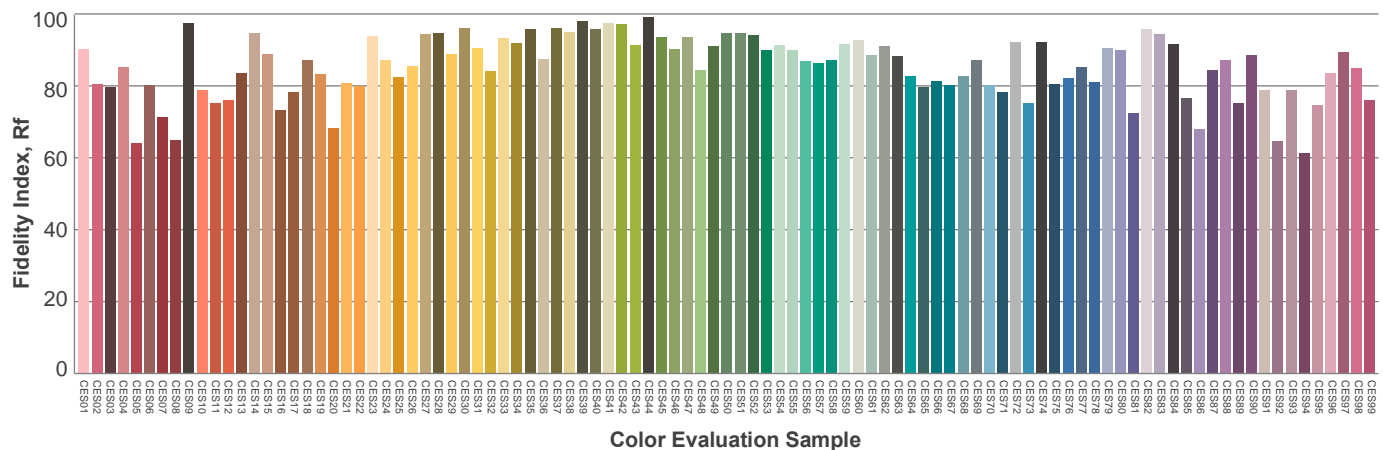
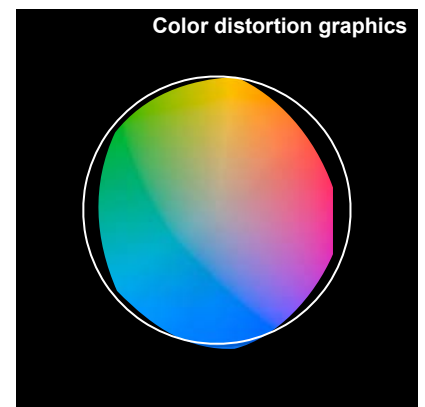
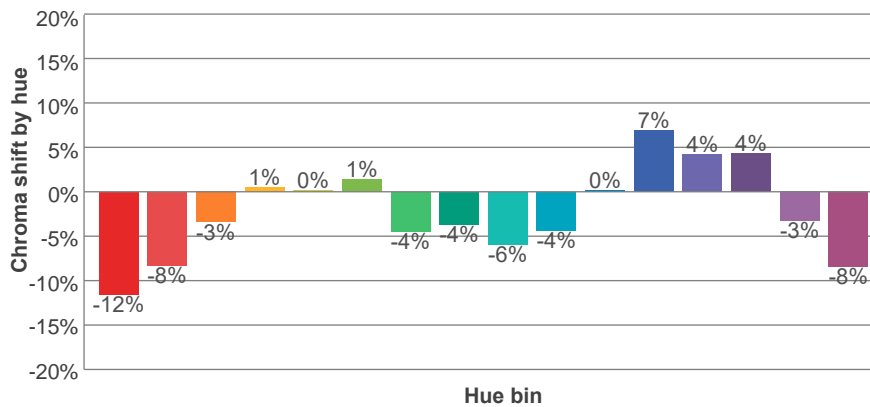
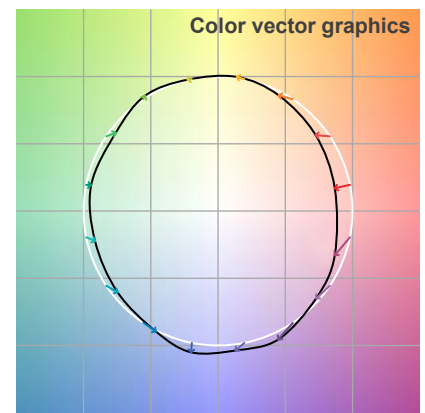
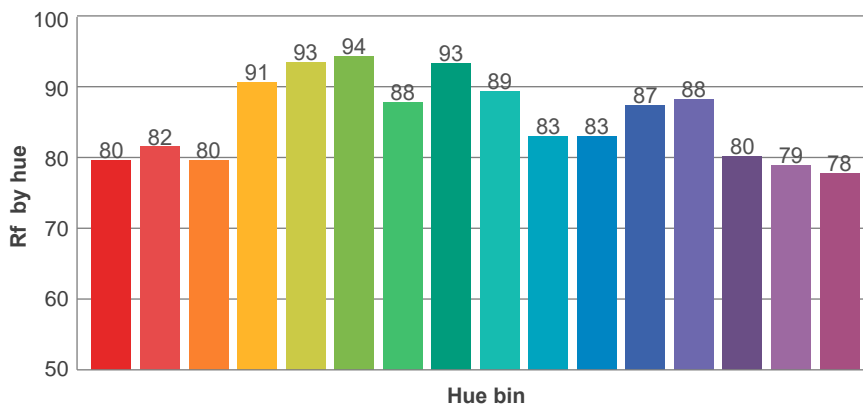
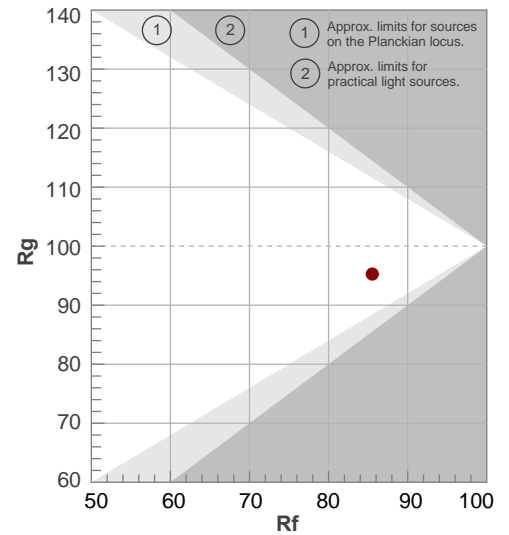
Rf 85.5

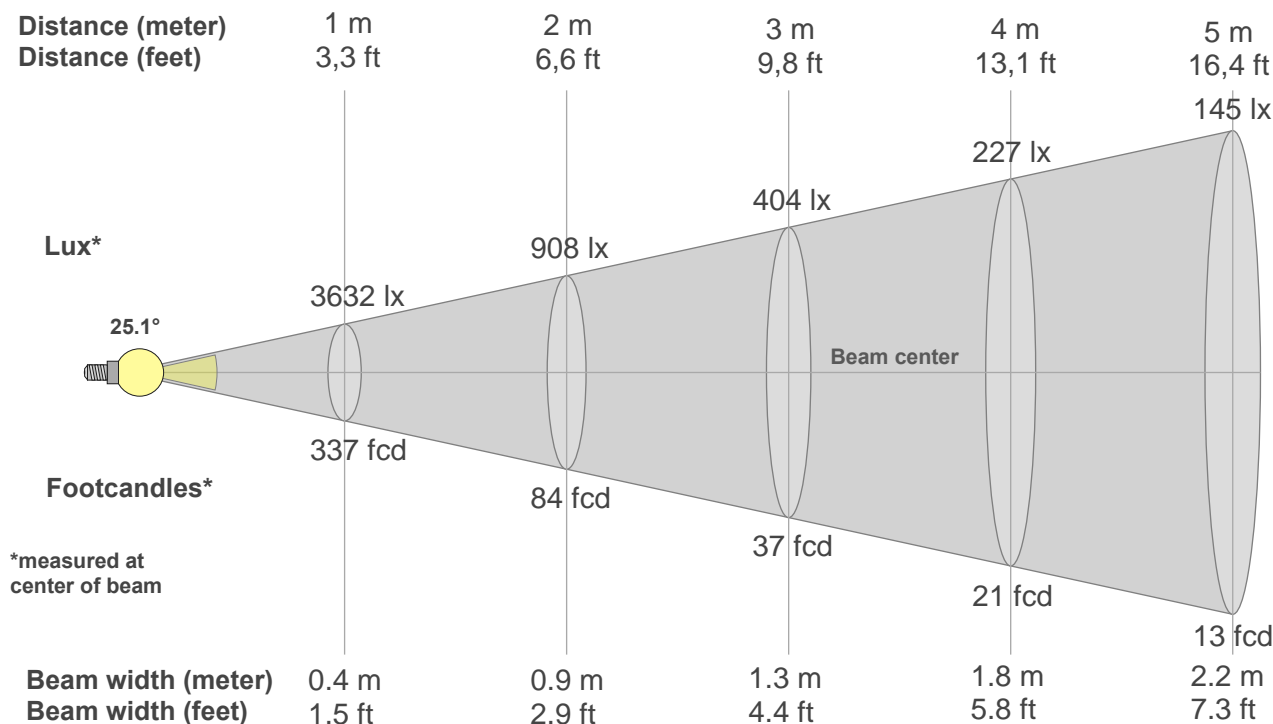
Fidelity index Rf

Rg 95.3

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	80	-12%	0%
2	82	-8%	7%
3	80	-3%	10%
4	91	1%	6%
5	93	0%	3%
6	94	1%	-2%
7	88	-4%	-6%
8	93	-4%	0%
9	89	-6%	4%
10	83	-4%	9%
11	83	0%	11%
12	87	7%	1%
13	88	4%	-7%
14	80	4%	-16%
15	79	-3%	-13%
16	78	-8%	-15%





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
3632lx	908lx	404lx	227lx	145lx	101lx	74lx	57lx	45lx	36lx	30lx	25lx	21lx	19lx	16lx	14lx	13lx	11lx	10lx	9lx
337.4fcd	84.4fcd	37.5fcd	21.1fcd	13.5fcd	9.4fcd	6.9fcd	5.3fcd	4.2fcd	3.4fcd	2.8fcd	2.3fcd	2fcd	1.7fcd	1.5fcd	1.3fcd	1.2fcd	1fcd	0.9fcd	0.8fcd

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°
3632	3562	3371	3070	2707	2315	1929	1580	1281	1031	824	646	487	350	247	174	126	94	73	59
100%	98%	93%	85%	75%	64%	53%	43%	35%	28%	23%	18%	13%	10%	7%	5%	3%	3%	2%	2%

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°
3632	3562	3361	3062	2693	2295	1911	1571	1277	1031	827	649	486	348	243	170	125	94	72	59
100%	98%	93%	84%	74%	63%	53%	43%	35%	28%	23%	18%	13%	10%	7%	5%	3%	3%	2%	2%

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°
3632	3562	3371	3070	2707	2315	1929	1580	1281	1031	824	646	487	350	247	174	126	94	73	59
100%	98%	93%	85%	75%	64%	53%	43%	35%	28%	23%	18%	13%	10%	7%	5%	3%	3%	2%	2%

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°
3632	3562	3361	3062	2693	2295	1911	1571	1277	1031	827	649	486	348	243	170	125	94	72	59
100%	98%	93%	84%	74%	63%	53%	43%	35%	28%	23%	18%	13%	10%	7%	5%	3%	3%	2%	2%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
25.1°	51.6°	68.5°	98.4%	96.1%