

Light efficiency:

62 Lumen/Watt

Light quality:

CRI: 81.1

Color temperature:

3030 K

Output: 2368 lm

Peak: 9380 cd

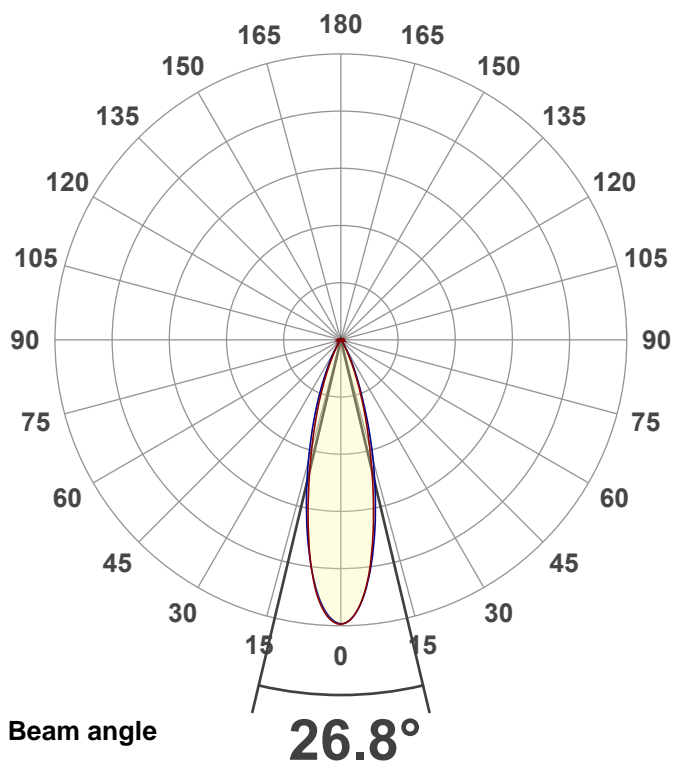
Power: 38.2 W

PF: 0.99



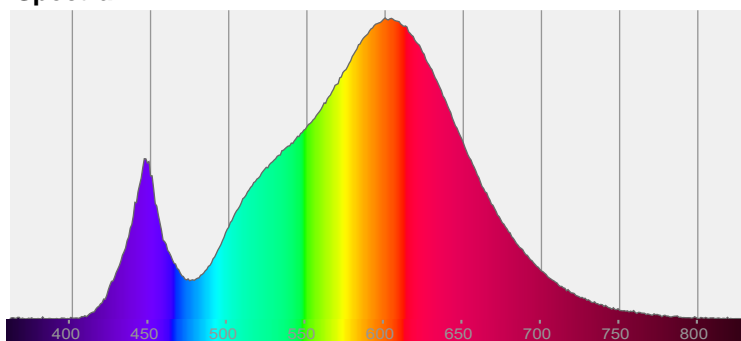
NU4-RAPH-SW-40LM-30K-80-25D-HET-WH

Date and time:
12/16/2021 3:16:10 PM

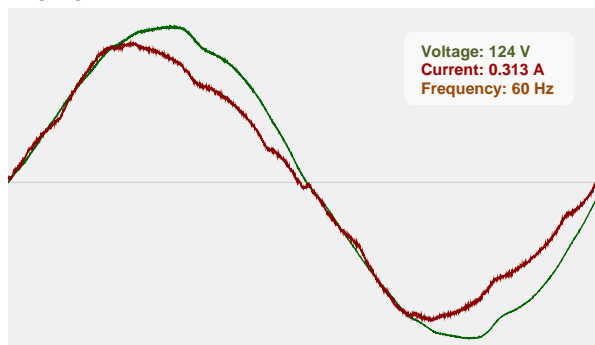


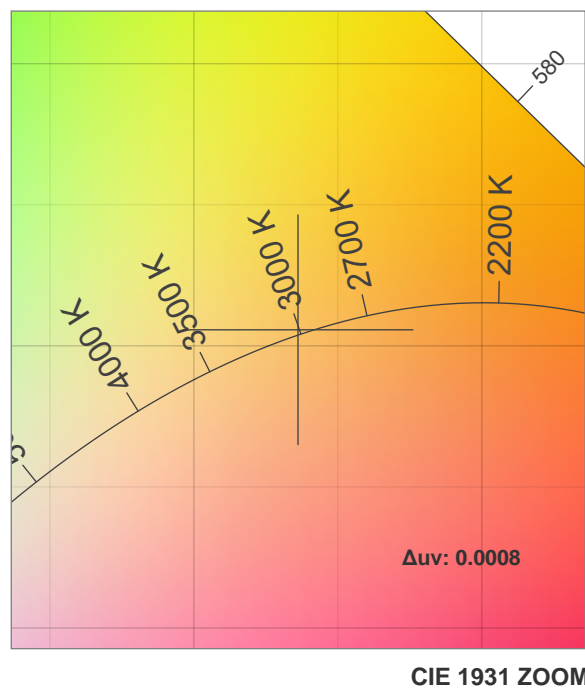
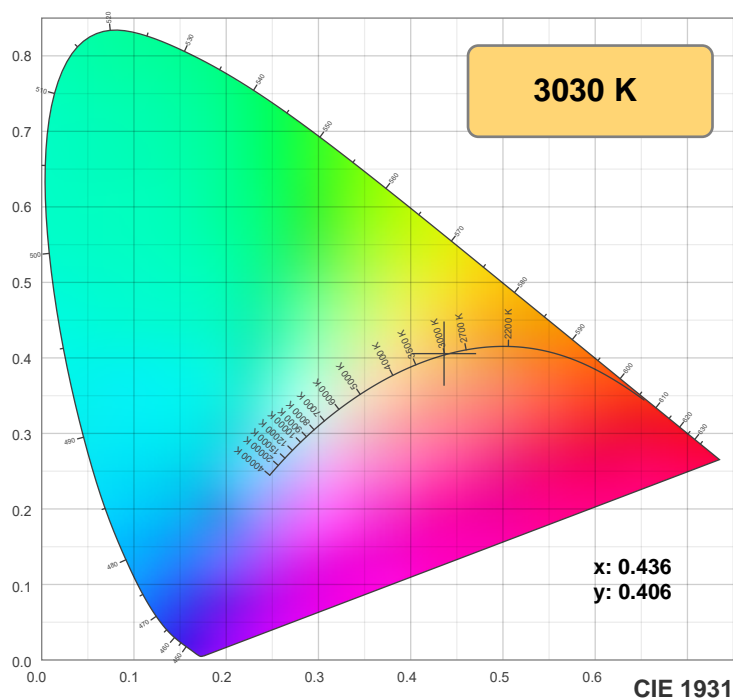
CIE 1931
x: 0.436
y: 0.406

Spectra

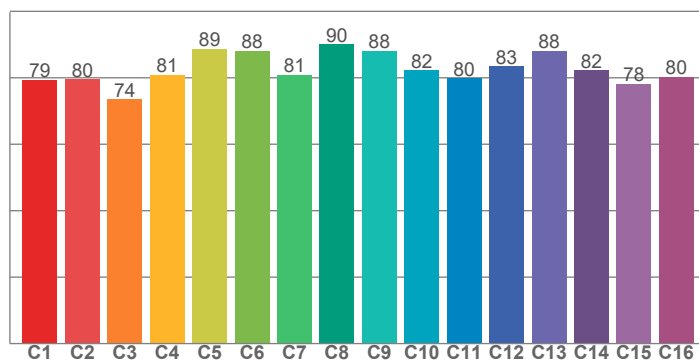


Power

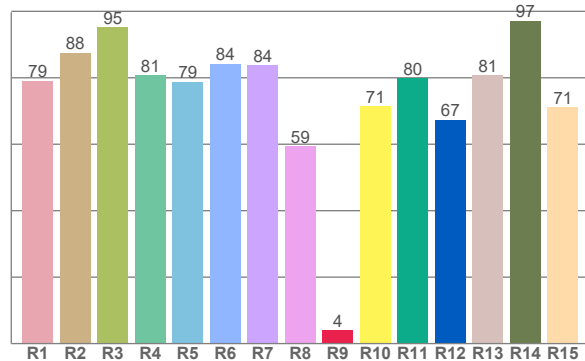




TM30: 82.6



CRI: 81.1 (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
79.1	87.5	95.3	80.7	78.8	84.2	83.7	59.3	4.0	71.5	79.9	67.3	80.7	97.2	71.1

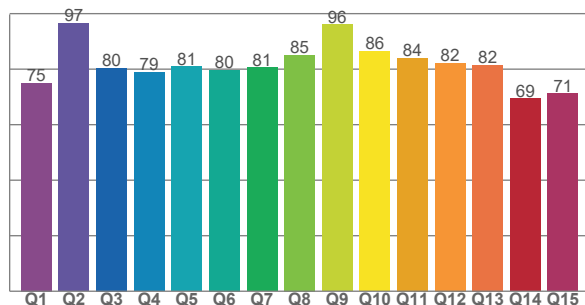
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
79.4	79.6	73.5	80.9	88.7	88.1	81.0	90.1	88.1	82.2	79.9	83.4	88.1	82.2	78.1	80.3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
75.0	96.5	80.4	78.9	80.9	79.6	80.5	85.1	96.1	86.4	84.0	82.2	81.6	69.4	71.2

CQS: 80.3



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
3030 K	81.1	4.0	82.6	98.0	80.3	0.436	0.406	0.249	0.348	0.0008

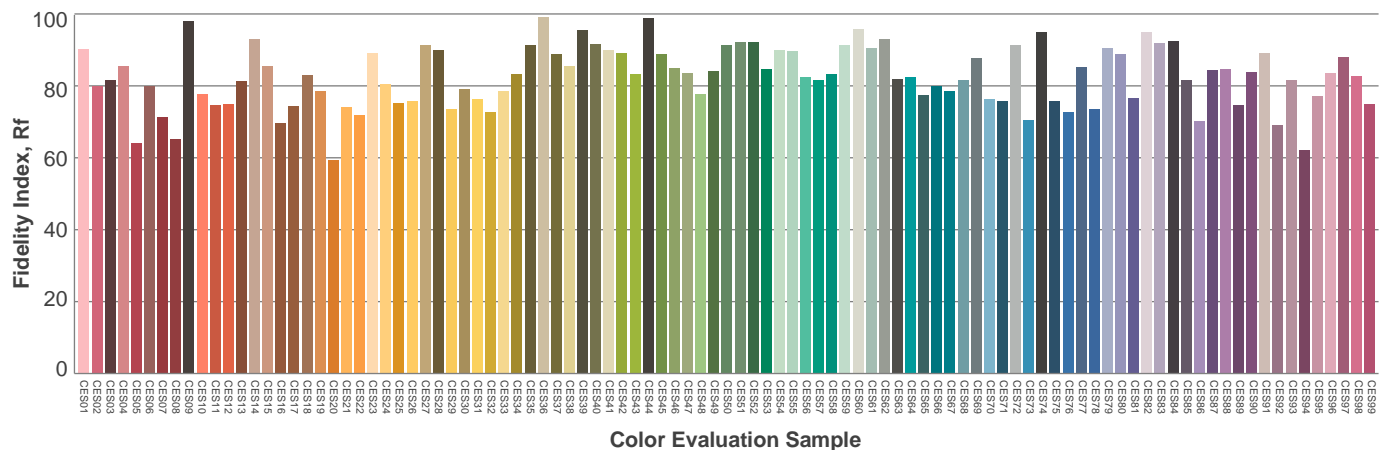
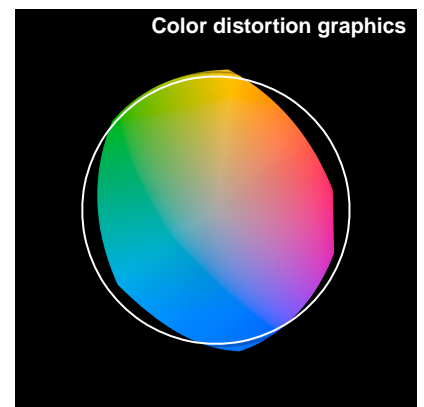
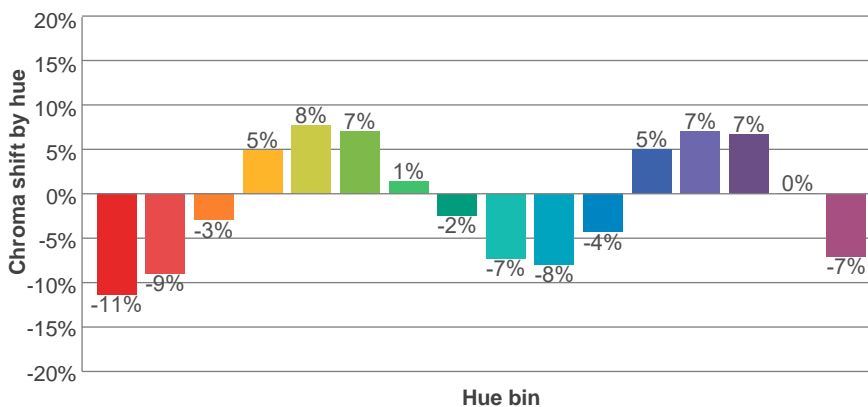
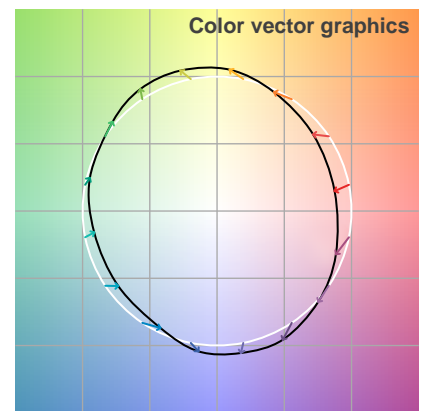
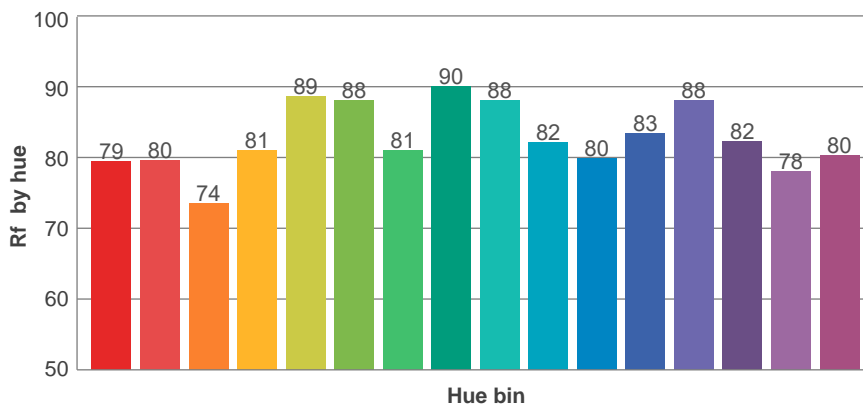
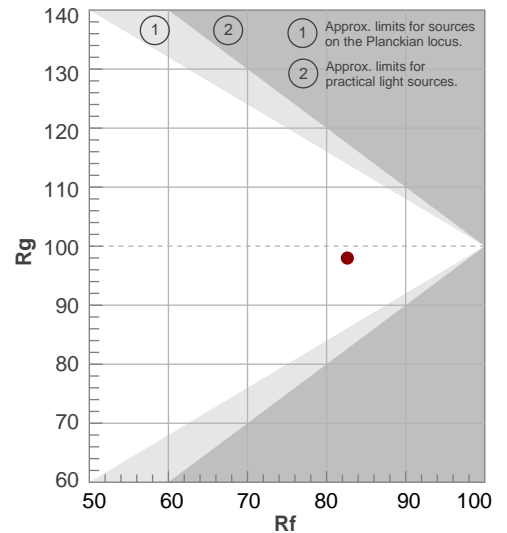
Rf 82.6

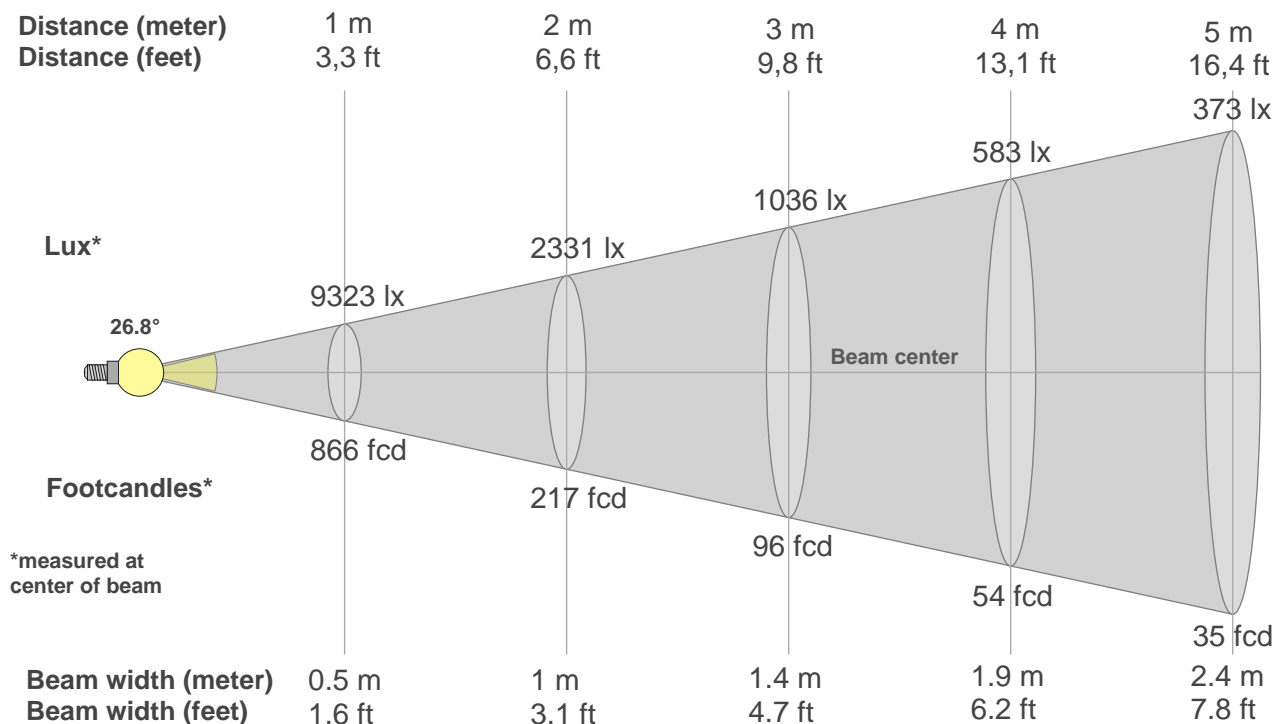
Fidelity index Rf

Rg 98.0

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	79	-11%	-3%
2	80	-9%	8%
3	74	-3%	14%
4	81	5%	11%
5	89	8%	6%
6	88	7%	-3%
7	81	1%	-12%
8	90	-2%	-6%
9	88	-7%	-2%
10	82	-8%	6%
11	80	-4%	13%
12	83	5%	7%
13	88	7%	-3%
14	82	7%	-13%
15	78	0%	-14%
16	80	-7%	-14%





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
9323lx	2331lx	1036lx	583lx	373lx	259lx	190lx	146lx	115lx	93lx	77lx	65lx	55lx	48lx	41lx	36lx	32lx	29lx	26lx	23lx
866.1fc	216.5fc	96.2fcd	54.1fcd	34.6fcd	24.1fcd	17.7fcd	13.5fcd	10.7fcd	8.7fcd	7.2fcd	6fcd	5.1fcd	4.4fcd	3.8fcd	3.4fcd	3fcd	2.7fcd	2.4fcd	2.2fcd

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°
9323	9207	8754	8067	7181	6162	5110	4134	3288	2554	1923	1384	977	661	429	267	155	93	53	29
100%	99%	94%	87%	77%	66%	55%	44%	35%	27%	21%	15%	10%	7%	5%	3%	2%	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°
9323	9158	8748	8124	7325	6416	5475	4564	3689	2862	2134	1602	1180	842	570	371	239	148	89	55
100%	98%	94%	87%	79%	69%	59%	49%	40%	31%	23%	17%	13%	9%	6%	4%	3%	2%	1%	1%

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°
9323	9183	8792	8151	7258	6189	5139	4170	3313	2570	1960	1443	1021	693	447	292	183	110	65	38
100%	98%	94%	87%	78%	66%	55%	45%	36%	28%	21%	15%	11%	7%	5%	3%	2%	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°
9323	9158	8723	8080	7283	6386	5449	4566	3739	2991	2341	1777	1320	960	679	461	302	196	124	76
100%	98%	94%	87%	78%	69%	58%	49%	40%	32%	25%	19%	14%	10%	7%	5%	3%	2%	1%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
26.8°	50.3°	63.5°	99.8%	99.6%