

Light efficiency:

65 Lumen/Watt

Light quality:

CRI: 81.1

Color temperature:

3035 K

Output: 2504 lm

Peak: 7596 cd

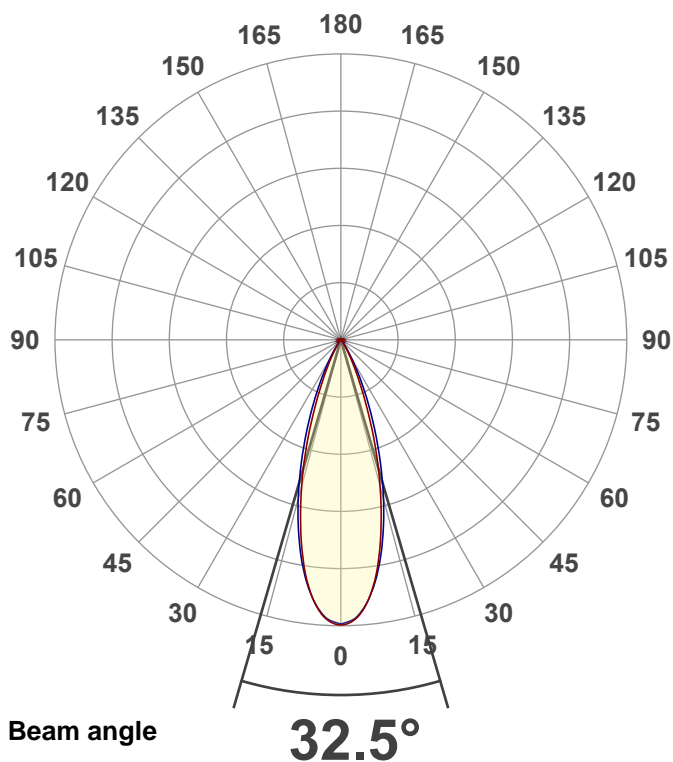
Power: 38.3 W

PF: 0.99



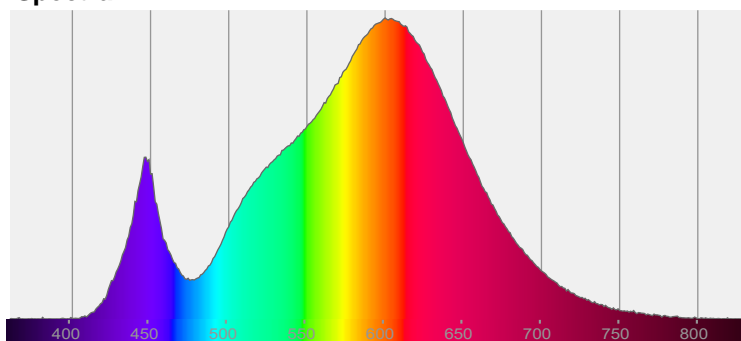
NU4-RAPH-SW-40LM-30K-80-35D-HET-WH

Date and time:
12/16/2021 2:55:38 PM

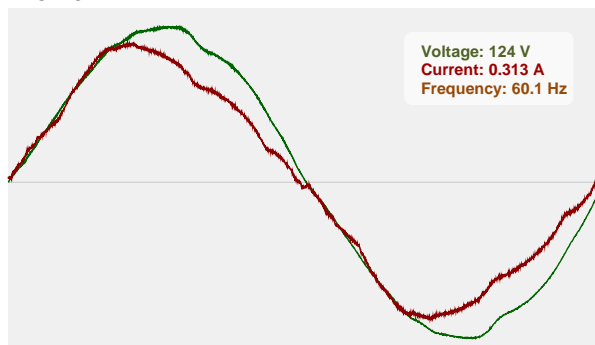


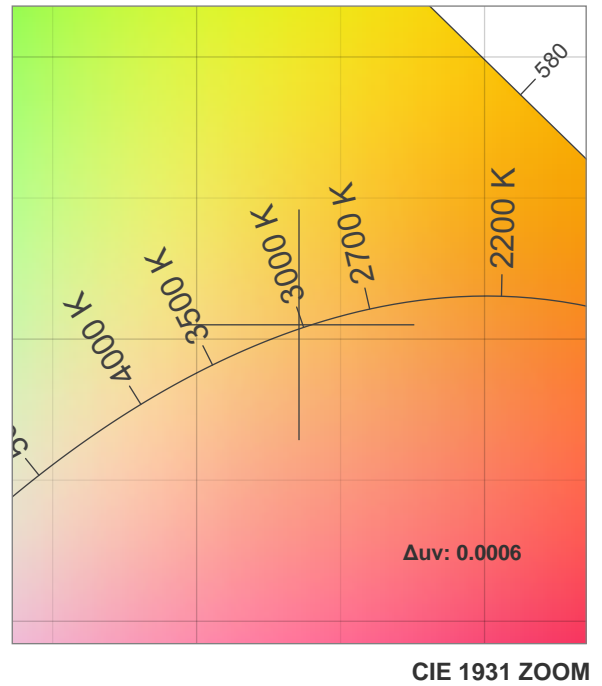
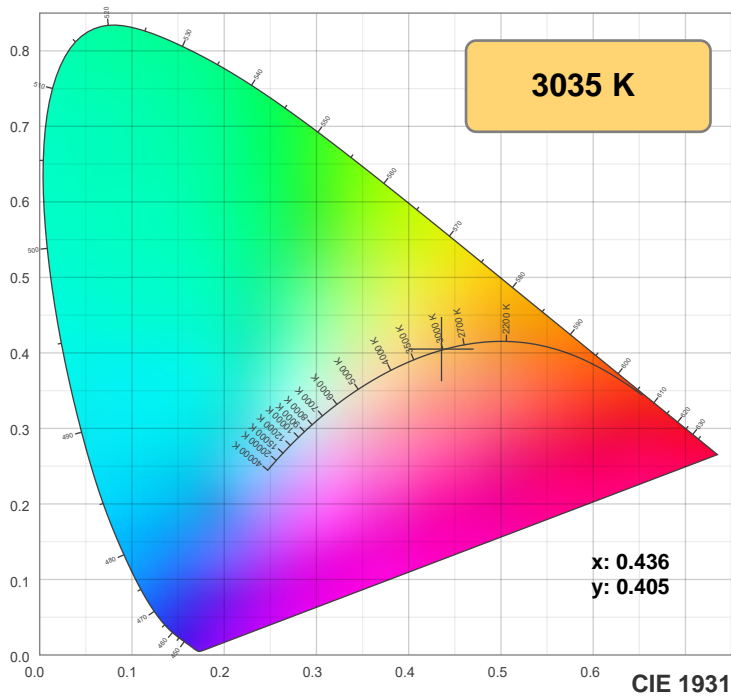
CIE 1931
x: 0.436
y: 0.405

Spectra

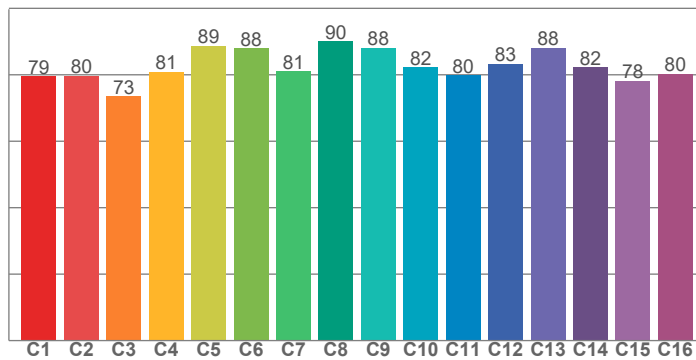


Power

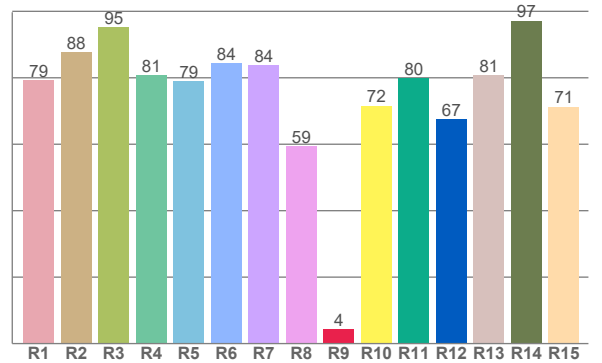




TM30: 82.6



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
79.2	87.6	95.3	80.7	78.9	84.3	83.7	59.4	4.2	71.6	79.9	67.5	80.8	97.2	71.3

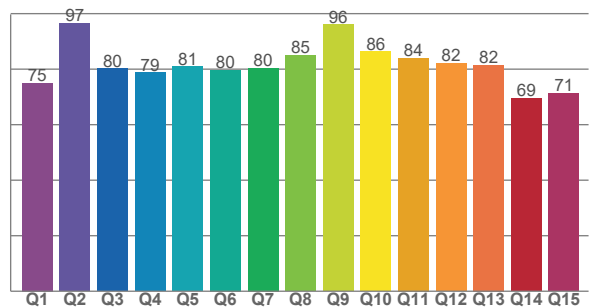
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
79.5	79.6	73.5	80.9	88.6	88.0	81.0	90.0	88.1	82.2	79.8	83.3	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	80.3	78.8	80.9	79.6	80.5	85.0	96.1	86.4	83.9	82.1	81.5	69.5	71.3

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
3035 K	81.1	4.2	82.6	98.0	80.3	0.436	0.405	0.249	0.348	0.0006

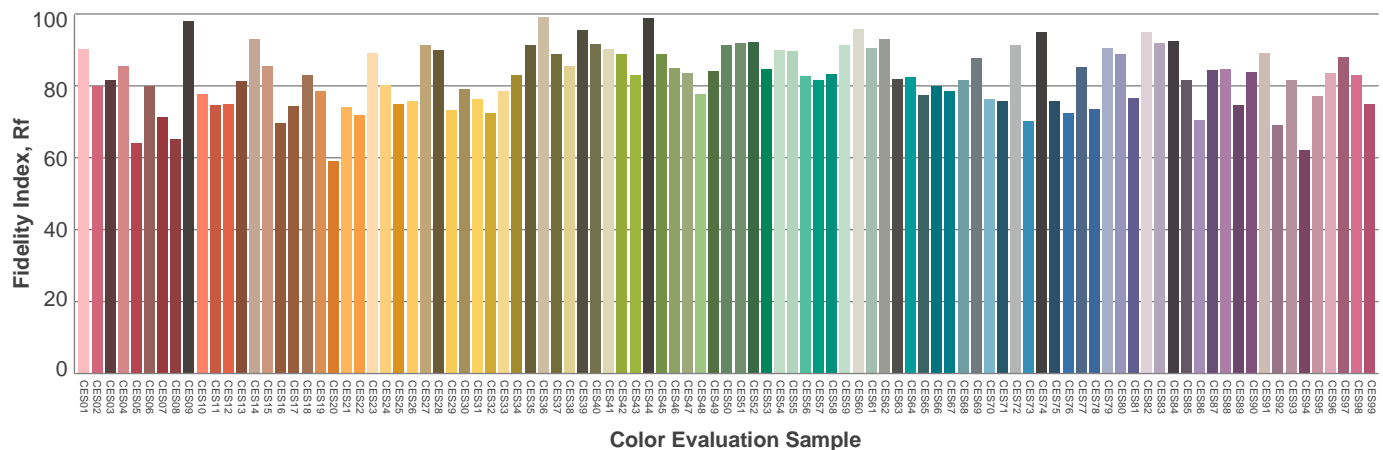
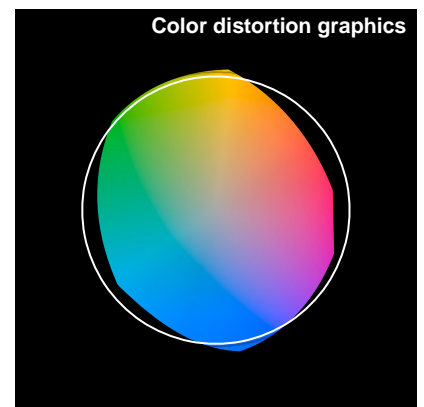
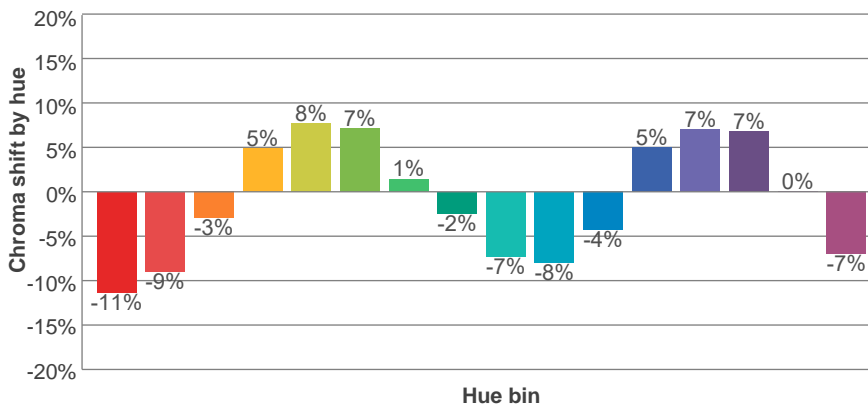
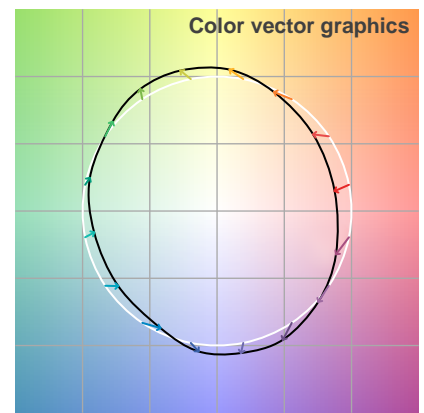
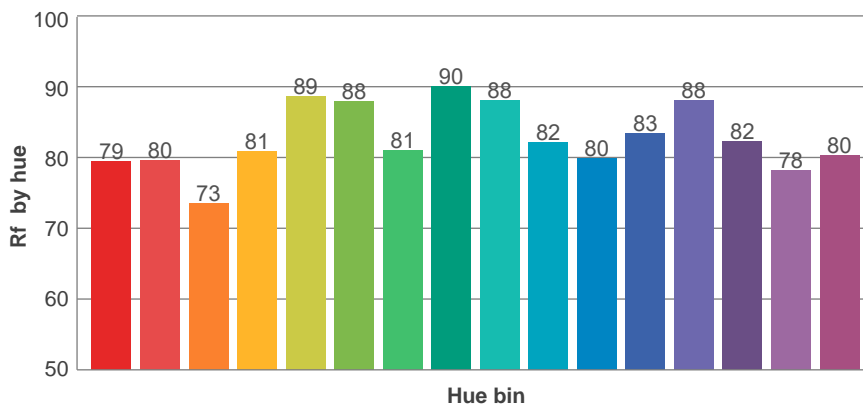
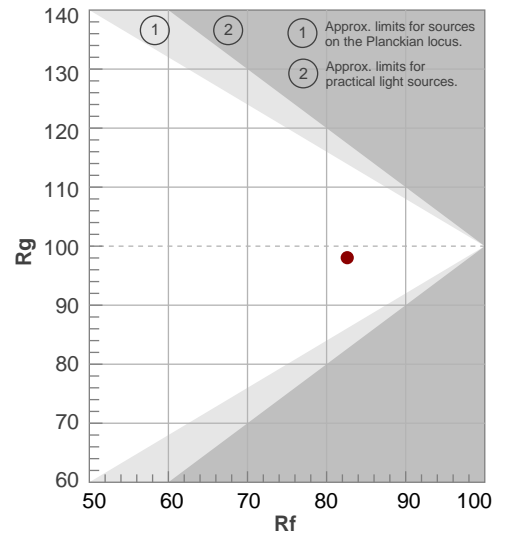
Rf 82.6

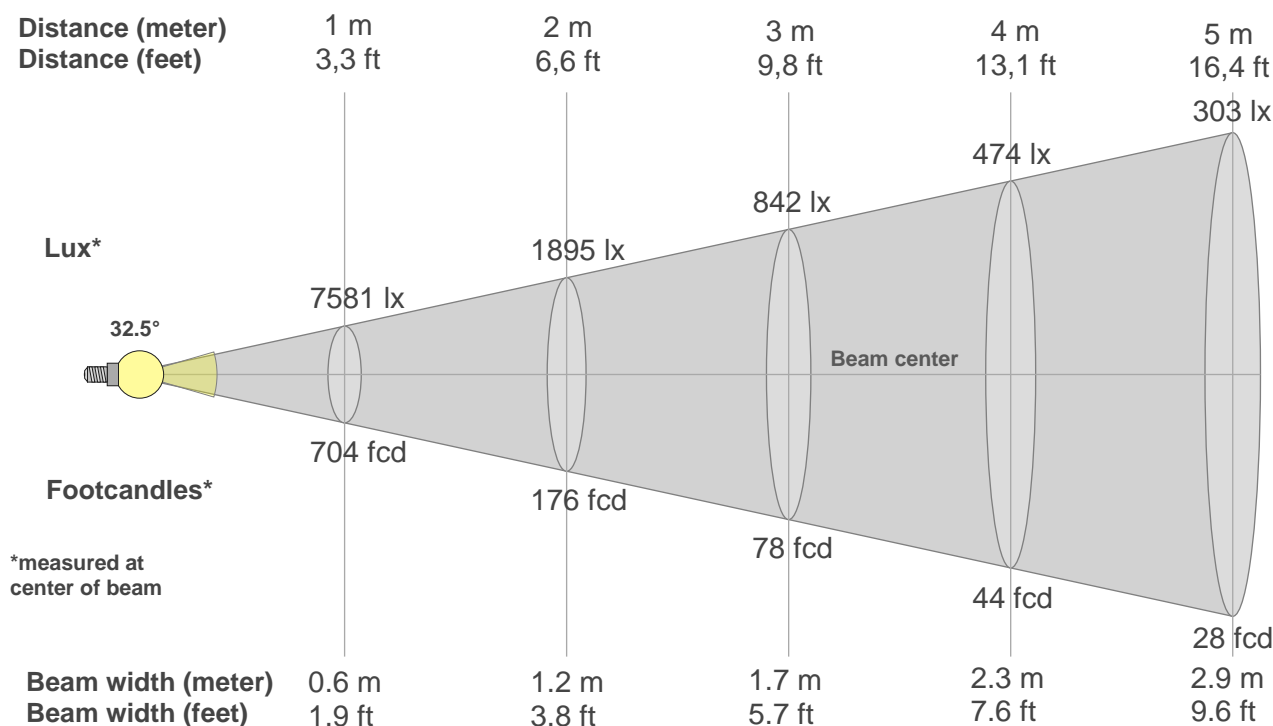
Fidelity index Rf

Rg 98.0

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	79	-11%	-3%
2	80	-9%	8%
3	73	-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%	-12%
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
7581lx	1895lx	842lx	474lx	303lx	211lx	155lx	118lx	94lx	76lx	63lx	53lx	45lx	39lx	34lx	30lx	26lx	23lx	21lx	19lx
704.3fcd	176.1fcd	78.3fcd	44fcd	28.2fcd	19.6fcd	14.4fcd	11fcd	8.7fcd	7fcd	5.8fcd	4.9fcd	4.2fcd	3.6fcd	3.1fcd	2.8fcd	2.4fcd	2.2fcd	2fcd	1.8fcd

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°
7581	7518	7327	6978	6472	5849	5149	4412	3676	2951	2270	1679	1201	836	577	381	234	130	64	33
100%	99%	97%	92%	85%	77%	68%	58%	48%	39%	30%	22%	16%	11%	8%	5%	3%	2%	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°
7581	7483	7289	6966	6536	5989	5376	4728	4063	3393	2763	2195	1690	1253	887	600	401	261	166	104
100%	99%	96%	92%	86%	79%	71%	62%	54%	45%	36%	29%	22%	17%	12%	8%	5%	3%	2%	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°
7581	7518	7327	6978	6472	5849	5149	4412	3676	2951	2270	1679	1201	836	577	381	234	130	64	33
100%	99%	97%	92%	85%	77%	68%	58%	48%	39%	30%	22%	16%	11%	8%	5%	3%	2%	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°
7581	7483	7289	6966	6536	5989	5376	4728	4063	3393	2763	2195	1690	1253	887	600	401	261	166	104
100%	99%	96%	92%	86%	79%	71%	62%	54%	45%	36%	29%	22%	17%	12%	8%	5%	3%	2%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
32.5°	55.4°	68.2°	99.7%	99.5%