

Light efficiency:

60 Lumen/Watt

Light quality:

CRI: 81.5

Color temperature:

3030 K

Output: 2324 lm

Peak: 3111 cd

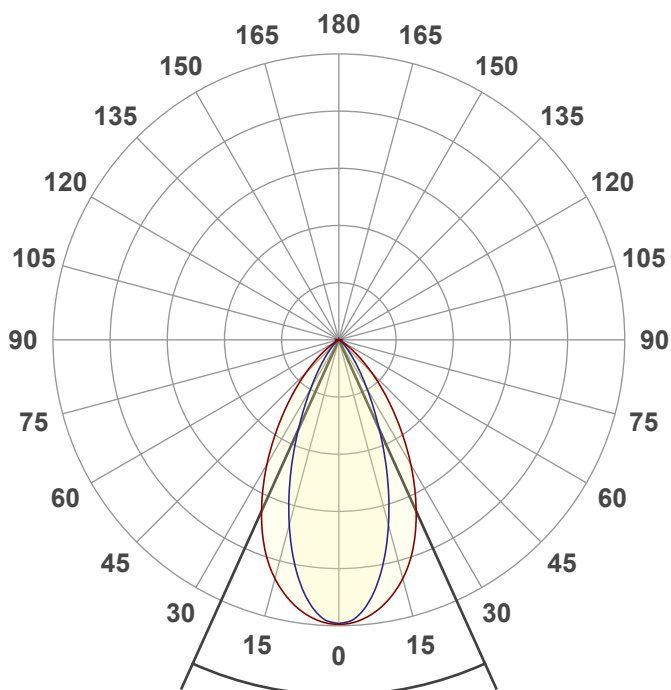
Power: 38.5 W

PF: 0.98



NU3-RA-SW-40LM-30K-80-25D-EA-NL-WH

Date and time:
6/14/2022 3:56:22 PM



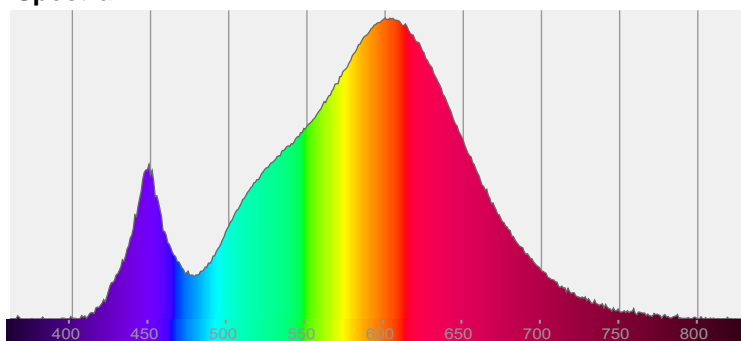
Beam angle

48.6°

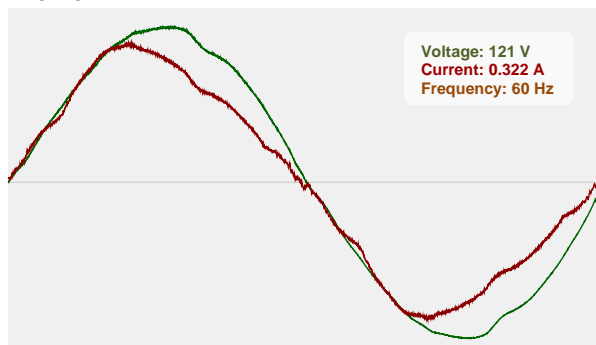


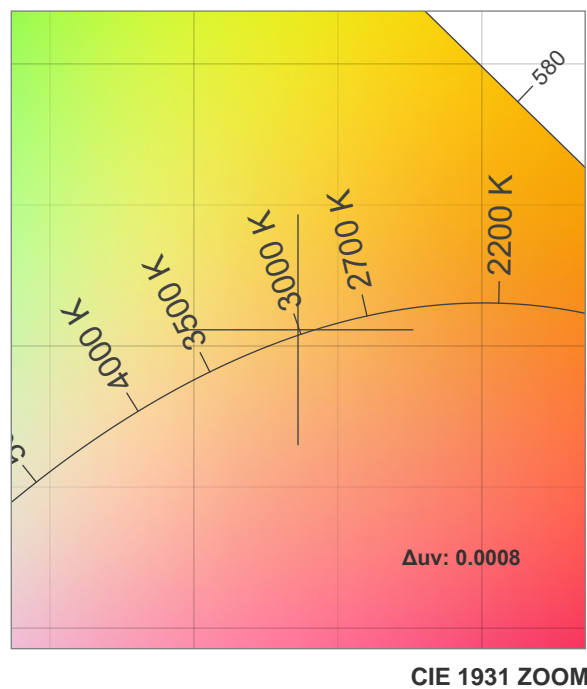
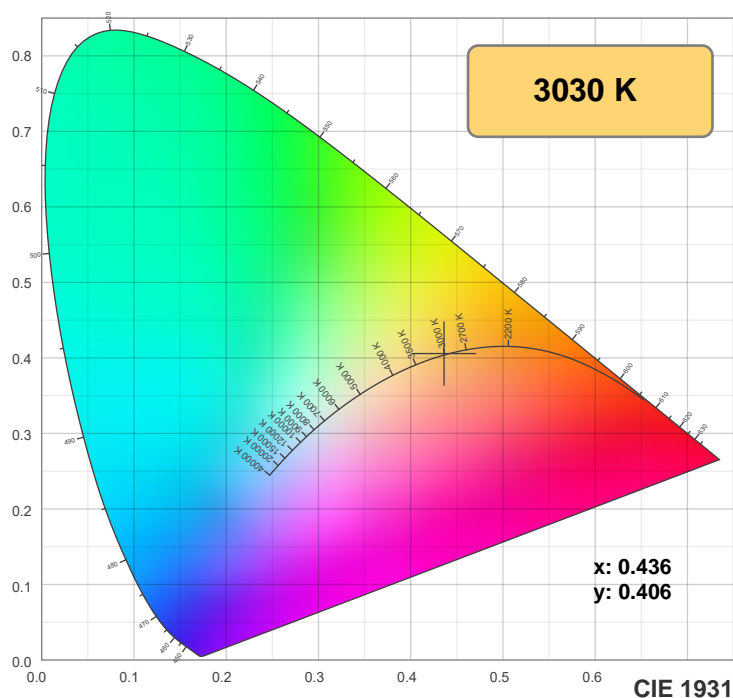
CIE 1931
x: 0.436
y: 0.406

Spectra

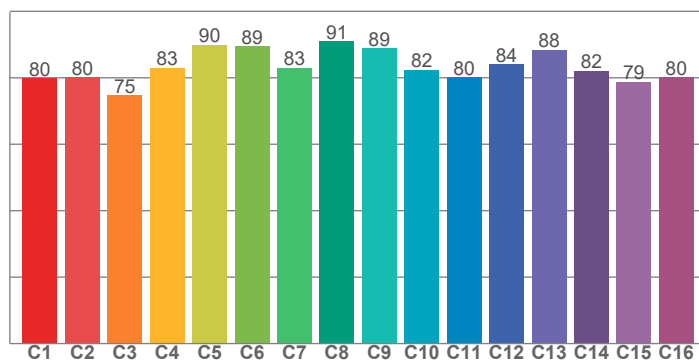


Power

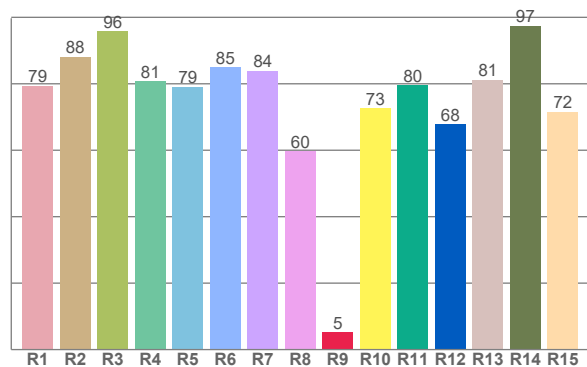




TM30: 83.4



CRI: 81.5 (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
79.4	88.1	95.8	80.7	79.1	84.9	83.9	59.7	5.3	72.7	79.7	67.9	81.2	97.5	71.6

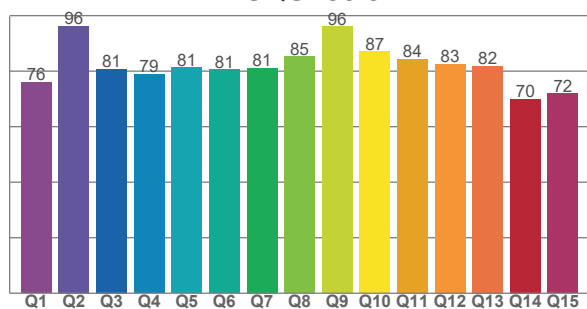
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
79.8	80.1	74.6	82.9	89.9	89.5	83.0	90.9	88.8	82.5	80.2	84.0	88.4	82.1	78.7	80.1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
76.0	96.3	80.7	78.9	81.3	80.5	81.1	85.3	96.1	87.0	84.4	82.5	81.8	69.9	71.9

CQS: 80.8



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	81.5	5.3	83.4	97.5	80.8	0.436	0.406	0.249	0.348	0.0008

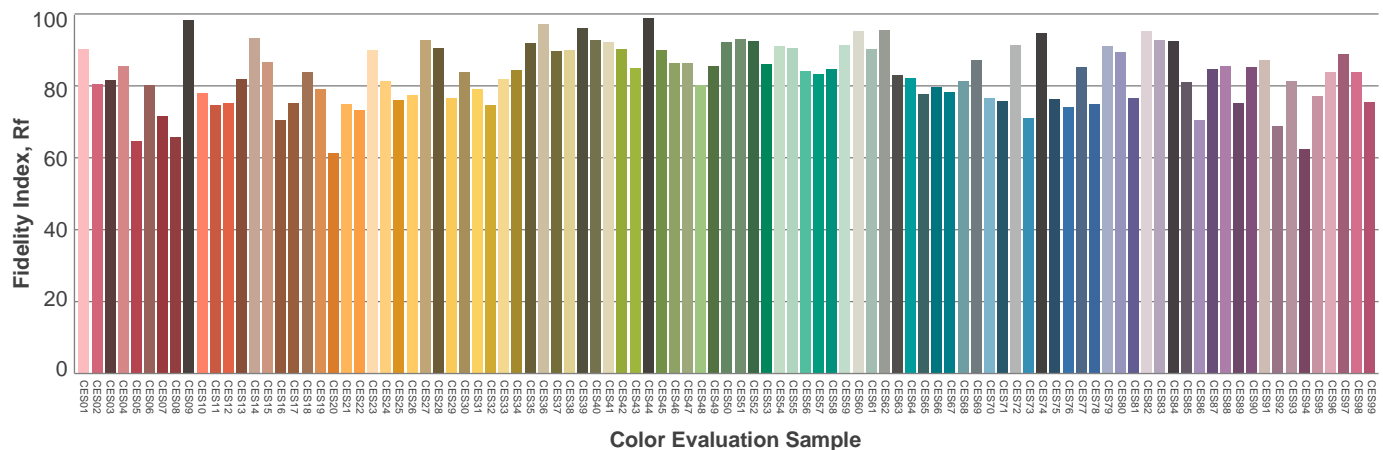
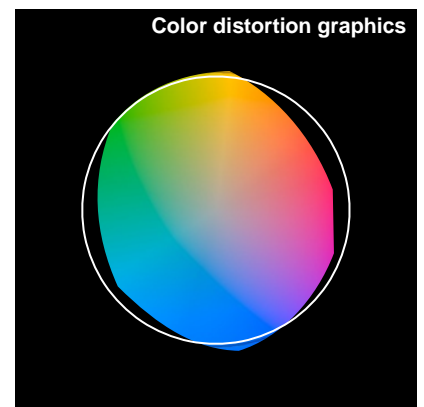
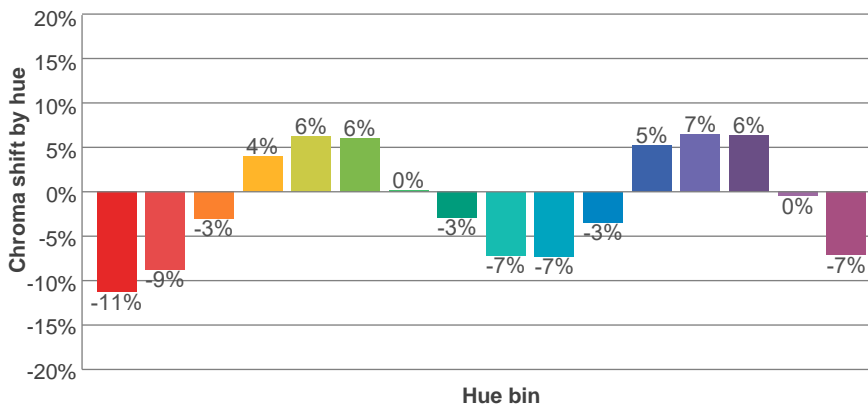
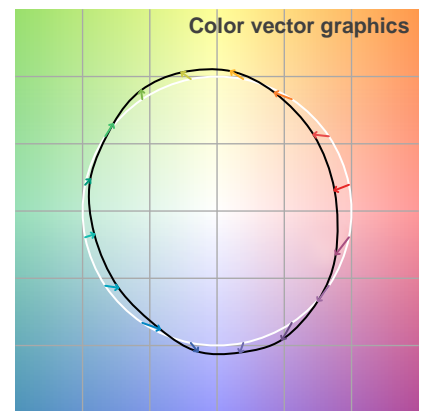
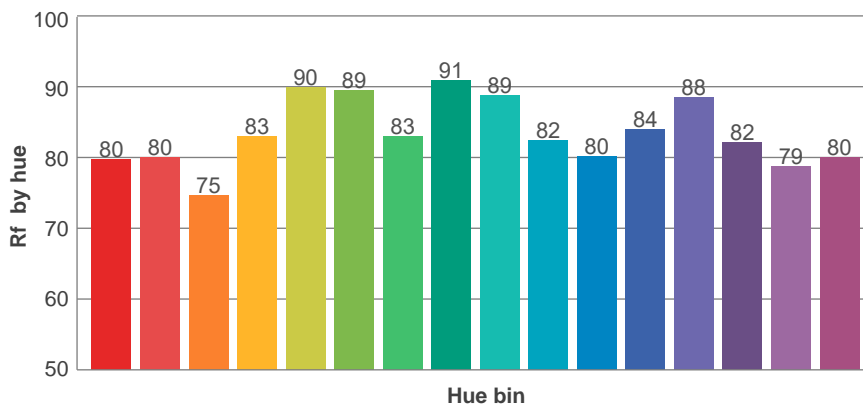
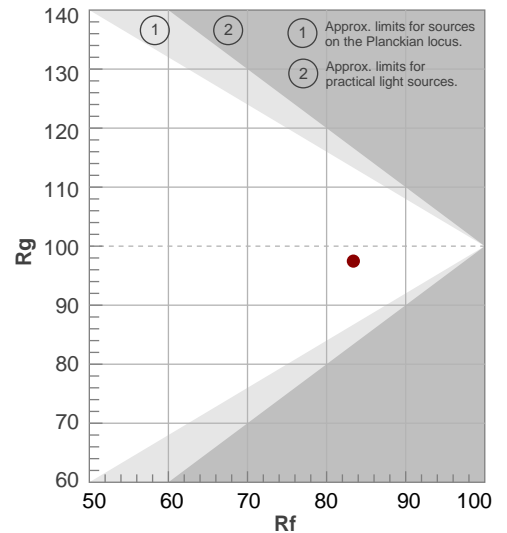
Rf 83.4

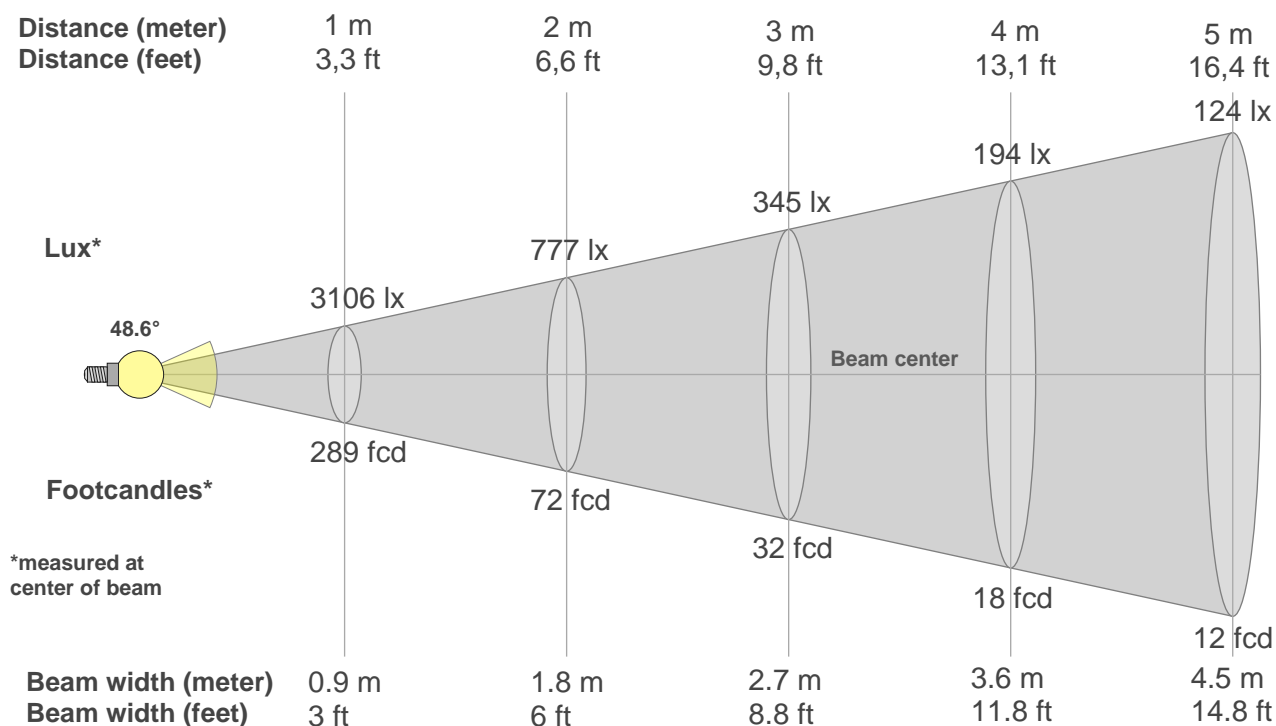
Fidelity index Rf

Rg 97.5

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	80	-11%	-2%
2	80	-9%	7%
3	75	-3%	13%
4	83	4%	10%
5	90	6%	6%
6	89	6%	-3%
7	83	0%	-11%
8	91	-3%	-5%
9	89	-7%	-1%
10	82	-7%	7%
11	80	-3%	14%
12	84	5%	6%
13	88	7%	-4%
14	82	6%	-13%
15	79	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
3106lx	777lx	345lx	194lx	124lx	86lx	63lx	49lx	38lx	31lx	26lx	22lx	18lx	16lx	14lx	12lx	11lx	10lx	9lx	8lx
288.6fcd	72.1fcd	32.1fcd	18fcd	11.5fcd	8fcd	5.9fcd	4.5fcd	3.6fcd	2.9fcd	2.4fcd	2fcd	1.7fcd	1.5fcd	1.3fcd	1.1fcd	1fcd	0.9fcd	0.8fcd	0.7fcd

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°
3106	3098	3077	3037	2984	2918	2839	2749	2643	2522	2386	2236	2077	1911	1742	1573	1404	1238	1084	939
100%	100%	99%	98%	96%	94%	91%	88%	85%	81%	77%	72%	67%	62%	56%	51%	45%	40%	35%	30%

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°
3106	3074	3012	2910	2774	2604	2409	2200	1982	1758	1533	1314	1109	922	756	614	497	397	313	244
100%	99%	97%	94%	89%	84%	78%	71%	64%	57%	49%	42%	36%	30%	24%	20%	16%	13%	10%	8%

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°
3106	3098	3077	3037	2984	2918	2839	2749	2643	2522	2386	2236	2077	1911	1742	1573	1404	1238	1084	939
100%	100%	99%	98%	96%	94%	91%	88%	85%	81%	77%	72%	67%	62%	56%	51%	45%	40%	35%	30%

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°
3106	3074	3012	2910	2774	2604	2409	2200	1982	1758	1533	1314	1109	922	756	614	497	397	313	244
100%	99%	97%	94%	89%	84%	78%	71%	64%	57%	49%	42%	36%	30%	24%	20%	16%	13%	10%	8%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
48.6°	84.6°	104.1°	99.2%	93.3%