

Light efficiency:

70 Lumen/Watt

Light quality:

CRI: 81.4

Color temperature:

3057 K

Output: 2666 lm

Peak: 5403 cd

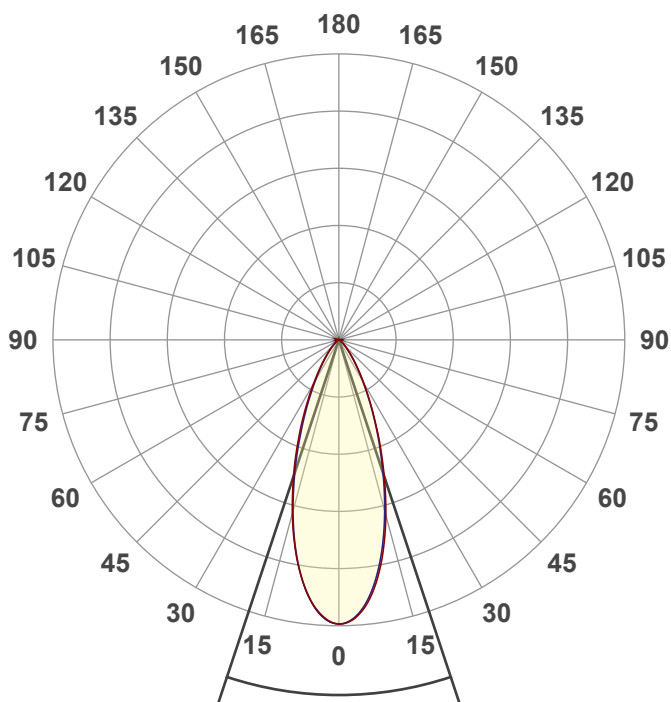
Power: 37.9 W

PF: 0.98



NU3-RA-SW-40LM-30K-80-20D-NA-DL-WH

Date and time:
5/12/2022 2:01:01 PM



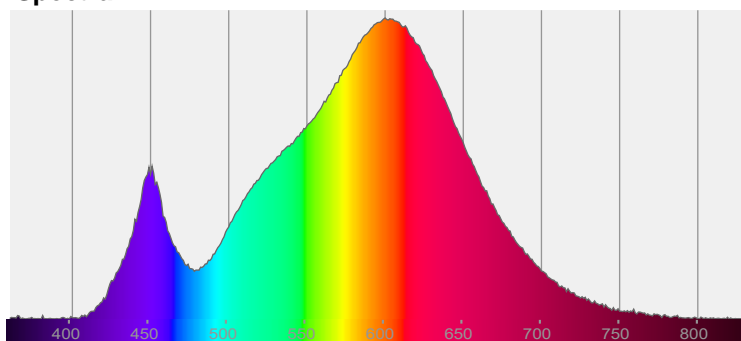
Beam angle

36.7°

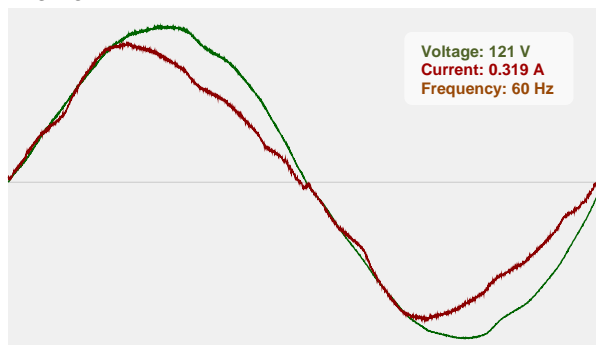


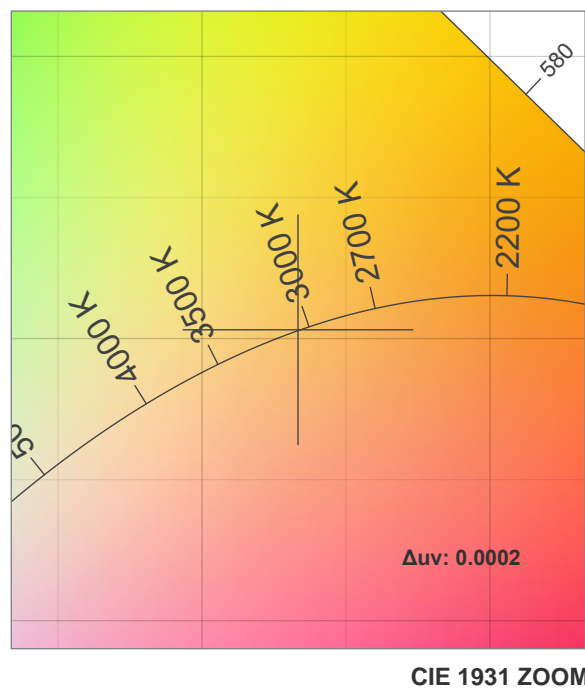
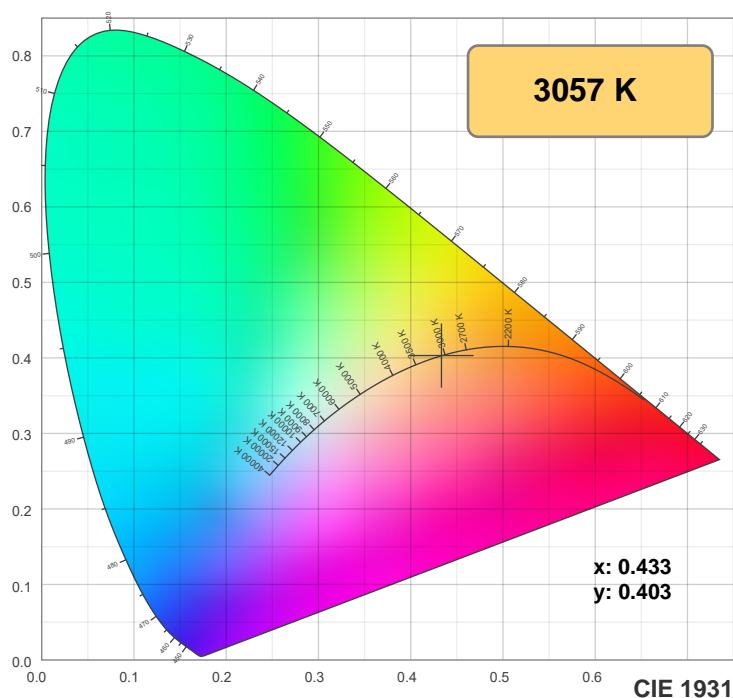
CIE 1931
x: 0.433
y: 0.403

Spectra

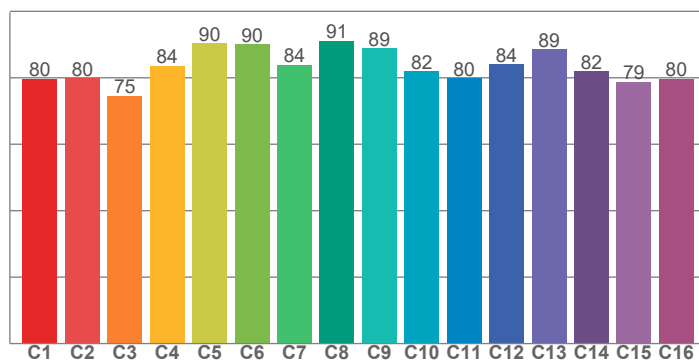


Power

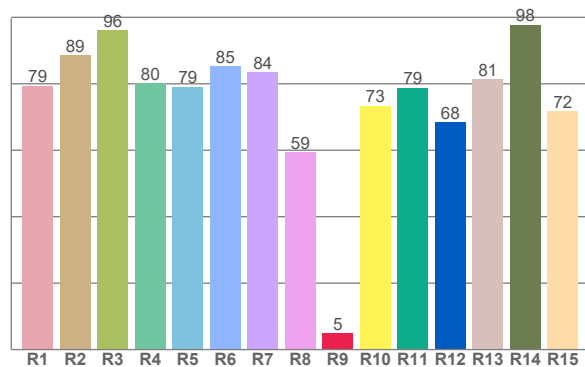




TM30: 83.4



CRI: 81.4 (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	88.5	96.0	80.2	79.2	85.3	83.6	59.3	4.9	73.4	78.8	68.4	81.3	97.7	71.8

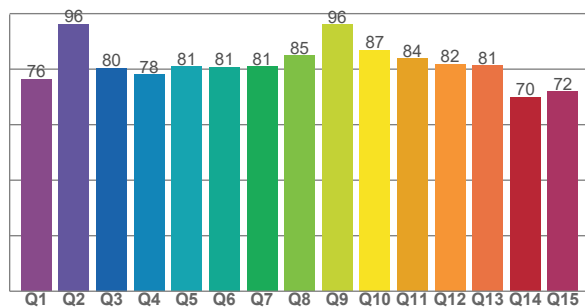
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
79.6	79.9	74.6	83.6	90.4	90.0	83.9	91.0	88.9	81.9	79.9	84.1	88.5	82.0	78.8	79.7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
76.4	96.3	80.4	78.1	81.0	80.7	81.0	84.9	96.1	86.9	83.8	81.9	81.3	69.9	72.0

CQS: 80.6



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
3057 K	81.4	4.9	83.4	97.1	80.6	0.433	0.403	0.249	0.347	0.0002

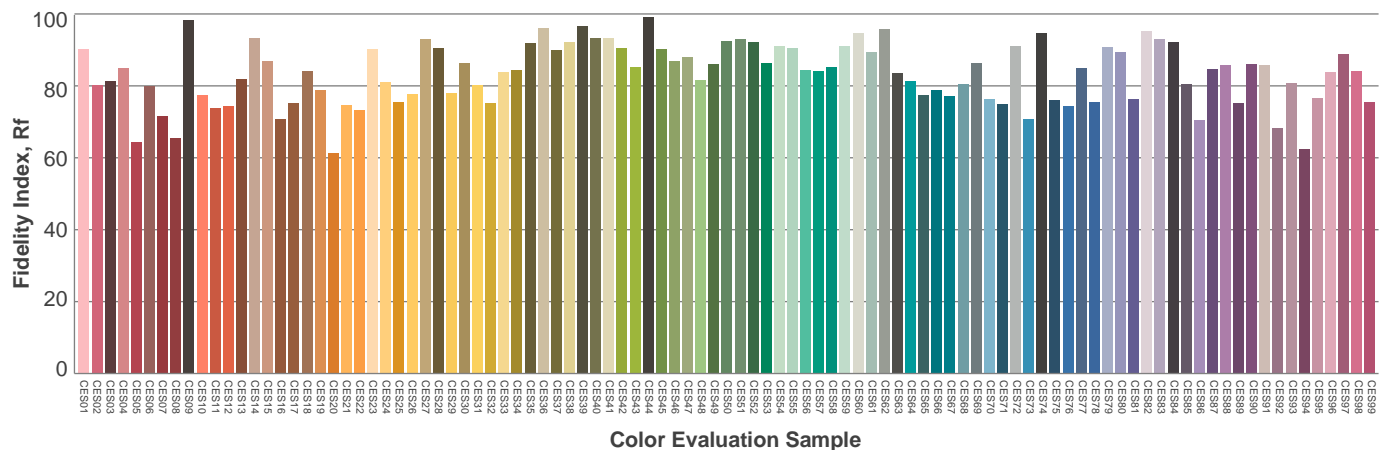
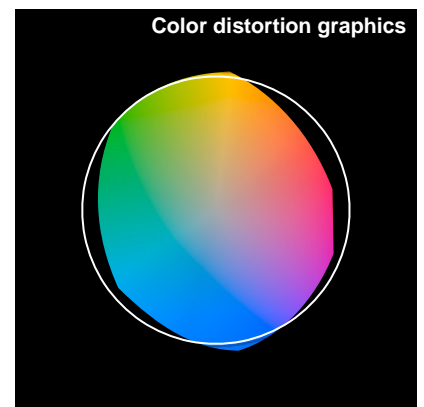
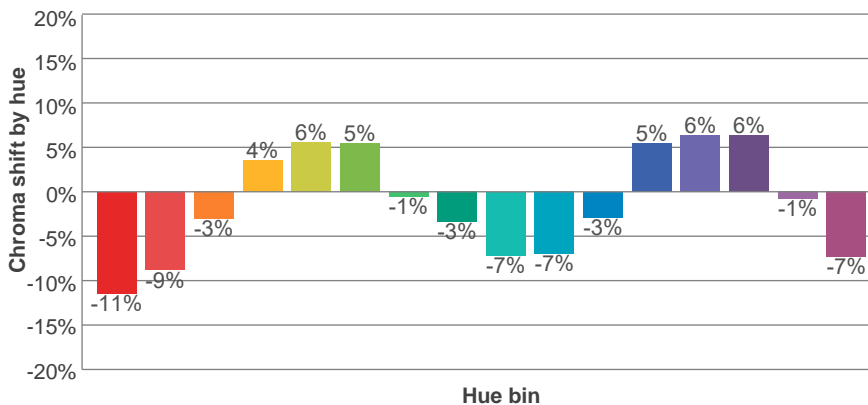
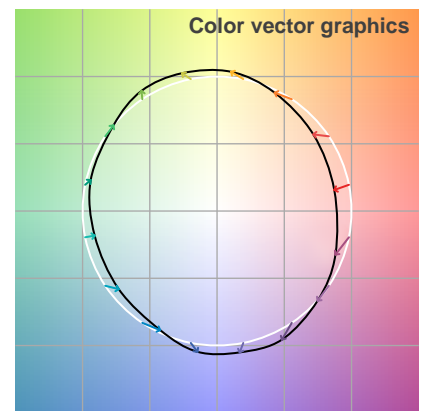
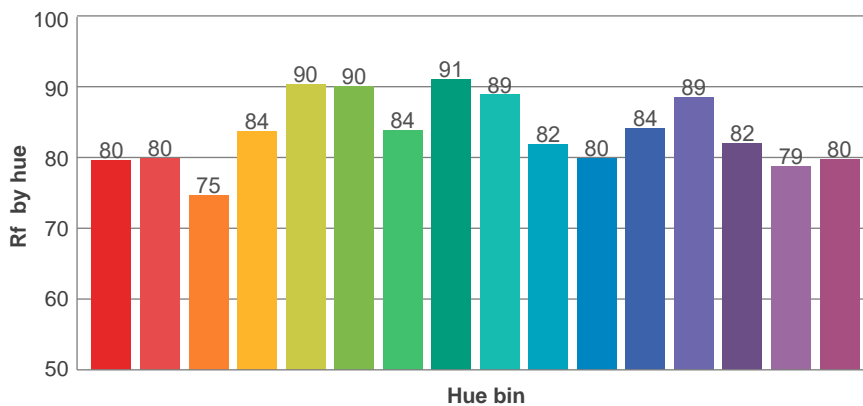
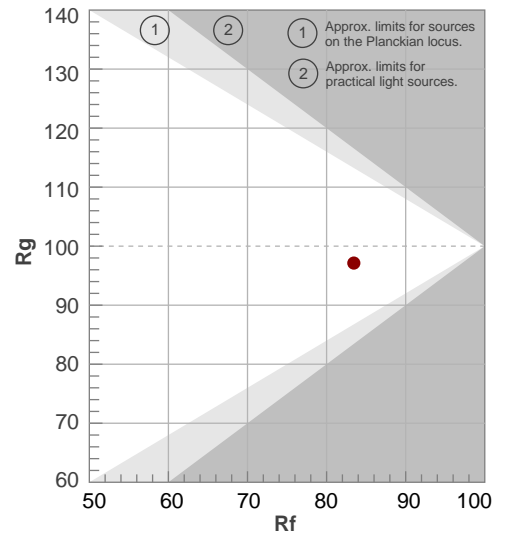
Rf 83.4

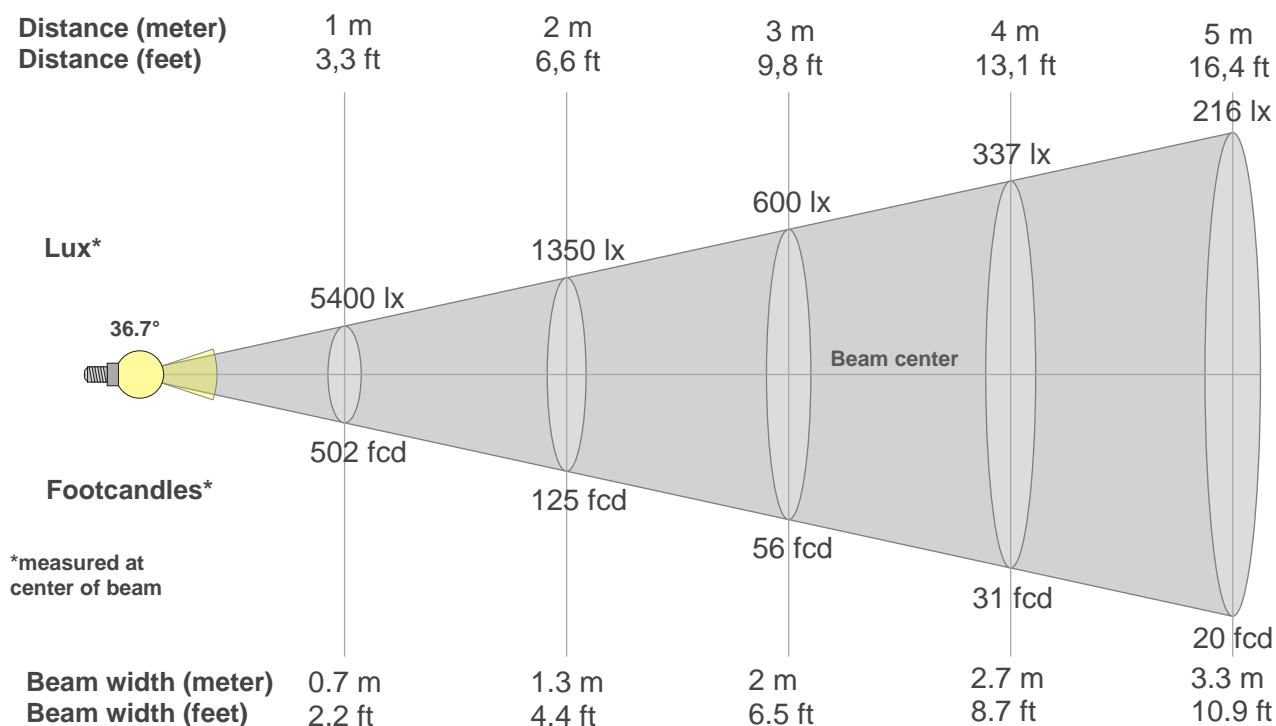
Fidelity index Rf

Rg 97.1

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	80	-11%	-2%
2	80	-9%	8%
3	75	-3%	13%
4	84	4%	10%
5	90	6%	6%
6	90	5%	-3%
7	84	-1%	-10%
8	91	-3%	-4%
9	89	-7%	0%
10	82	-7%	8%
11	80	-3%	14%
12	84	5%	6%
13	89	6%	-4%
14	82	6%	-13%
15	79	-1%	-14%
16	80	-7%	-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
5400lx	1350lx	600lx	337lx	216lx	150lx	110lx	84lx	67lx	54lx	45lx	37lx	32lx	28lx	24lx	21lx	19lx	17lx	15lx	13lx
501.6fc	125.4fc	55.7fc	31.4fc	20.1fc	13.9fc	10.2fc	7.8fc	6.2fc	5fc	4.1fc	3.5fc	3fc	2.6fc	2.2fc	2fc	1.7fc	1.5fc	1.4fc	1.3fc

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°
5400	5365	5248	5055	4784	4451	4070	3661	3234	2814	2411	2041	1690	1405	1155	938	766	620	502	400
100%	99%	97%	94%	89%	82%	75%	68%	60%	52%	45%	38%	31%	26%	21%	17%	14%	11%	9%	7%

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°
5400	5354	5224	5011	4725	4379	3991	3577	3153	2736	2342	1989	1661	1375	1126	914	736	586	465	371
100%	99%	97%	93%	88%	81%	74%	66%	58%	51%	43%	37%	31%	25%	21%	17%	14%	11%	9%	7%

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°
5400	5345	5207	4998	4719	4390	4018	3621	3208	2807	2425	2061	1736	1441	1184	964	778	627	505	403
100%	99%	96%	93%	87%	81%	74%	67%	59%	52%	45%	38%	32%	27%	22%	18%	14%	12%	9%	7%

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°
5400	5356	5222	5008	4724	4380	3996	3579	3152	2736	2335	1952	1632	1345	1092	887	721	580	462	367
100%	99%	97%	93%	87%	81%	74%	66%	58%	51%	43%	36%	30%	25%	20%	16%	13%	11%	9%	7%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
36.7°	70.2°	94.3°	99.1%	95.4%