

Light efficiency:

82 Lumen/Watt

Light quality:

CRI: 81.2

Color temperature:

2944 K

Output: 2260 lm

Peak: 4083 cd

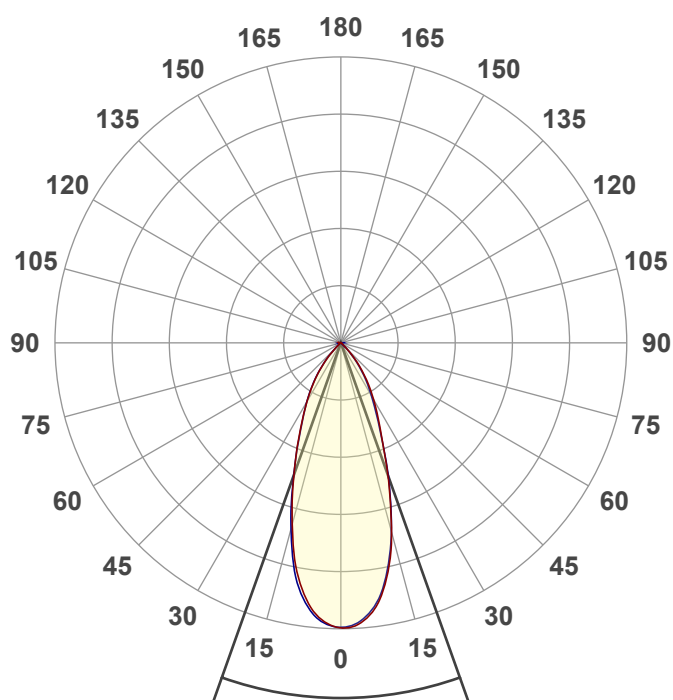
Power: 27.4 W

PF: 0.97



NU3-RD-XTM19-27LM-30K-83-40C-NL-
120-DIM10-NC-WH-WH

Date and time:
1/22/2021 10:38:38 AM



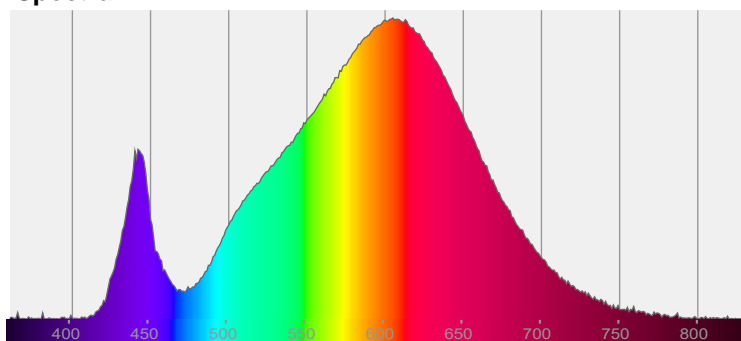
Beam angle

39.2°

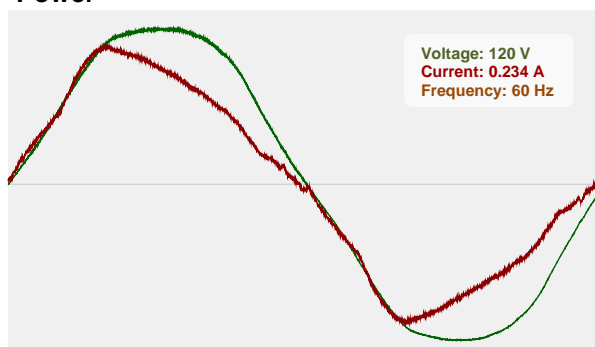


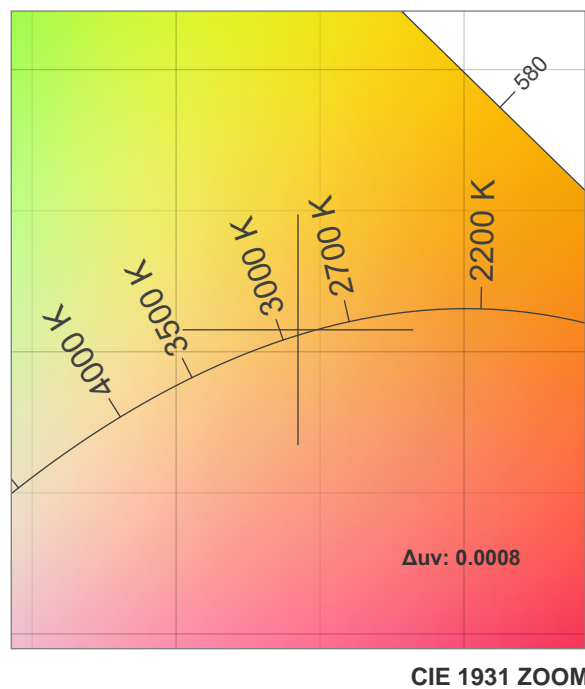
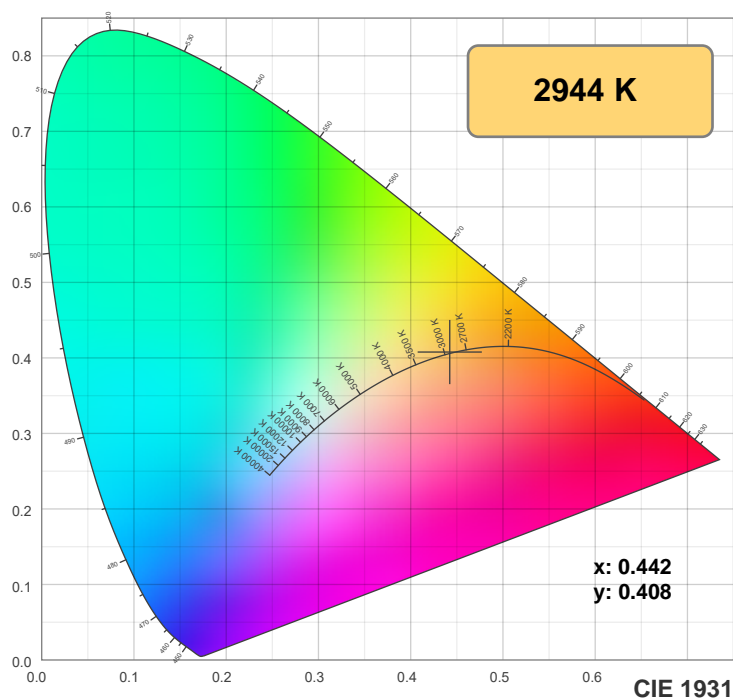
CIE 1931
x: 0.442
y: 0.408

Spectra

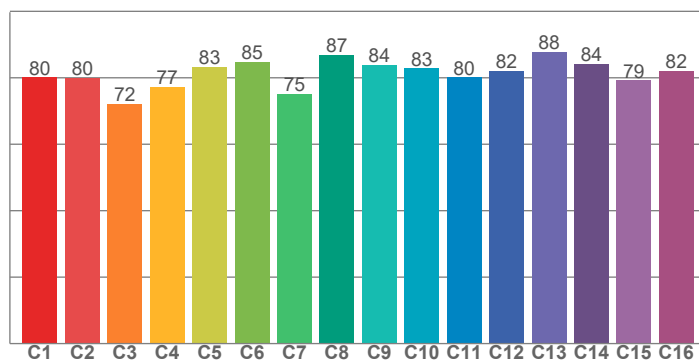


Power

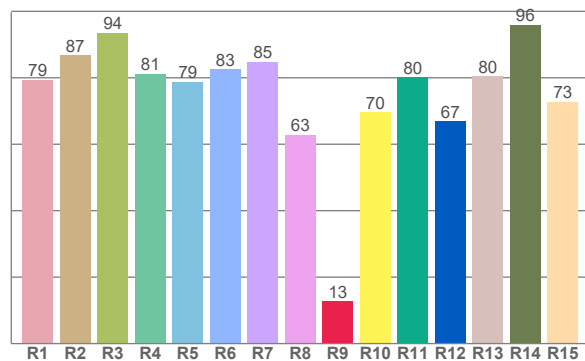




TM30: 81.2



CRI: 81.2 (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	86.7	93.5	81.2	78.8	82.6	84.8	62.9	12.7	69.7	80.1	67.0	80.4	96.0	72.8

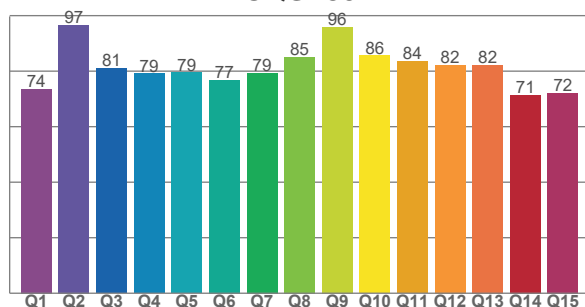
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
80.1	79.9	72.2	77.3	83.3	84.9	75.2	86.9	83.8	82.9	80.1	82.1	87.8	84.1	79.3	82.0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
73.5	96.6	81.0	79.1	79.5	76.8	79.3	85.0	95.9	85.6	83.6	82.3	82.2	71.5	72.1

CQS: 80.1



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
2944 K	81.2	12.7	81.2	99.6	80.1	0.442	0.408	0.252	0.349	0.0008

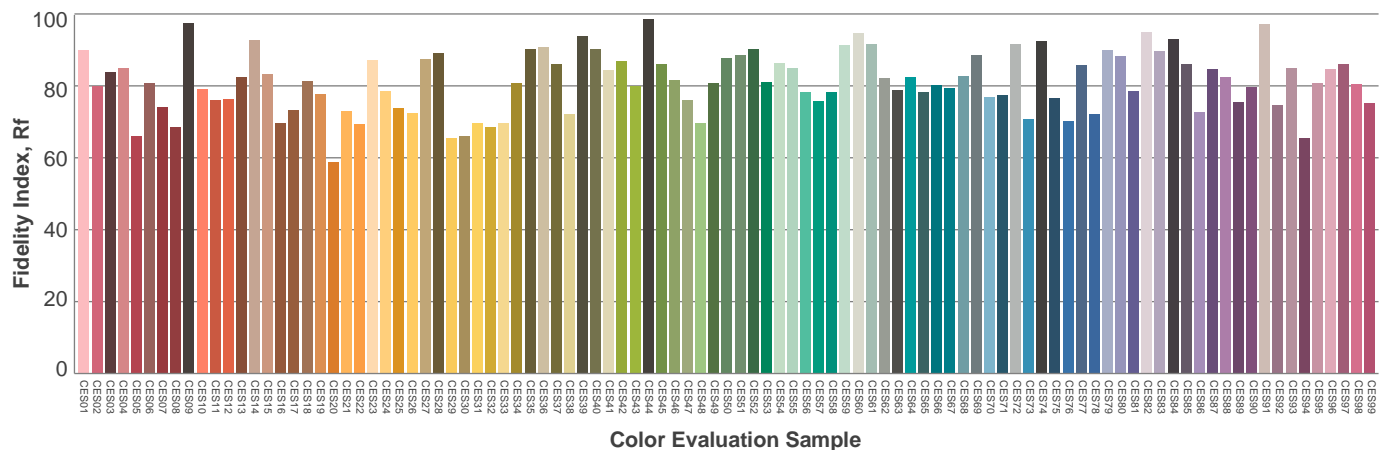
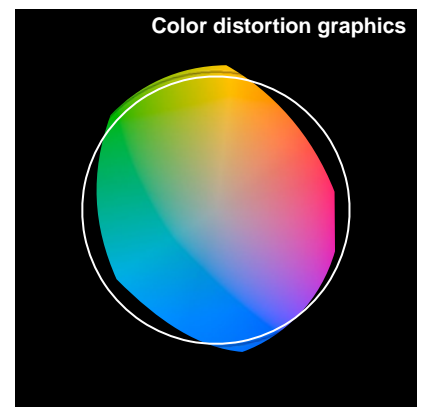
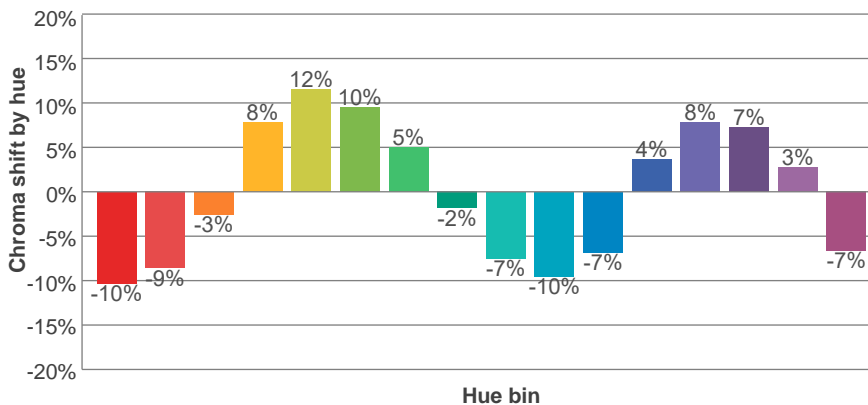
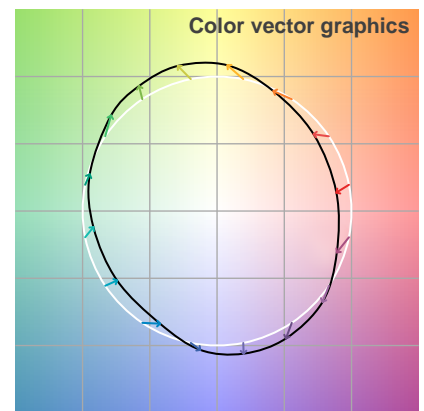
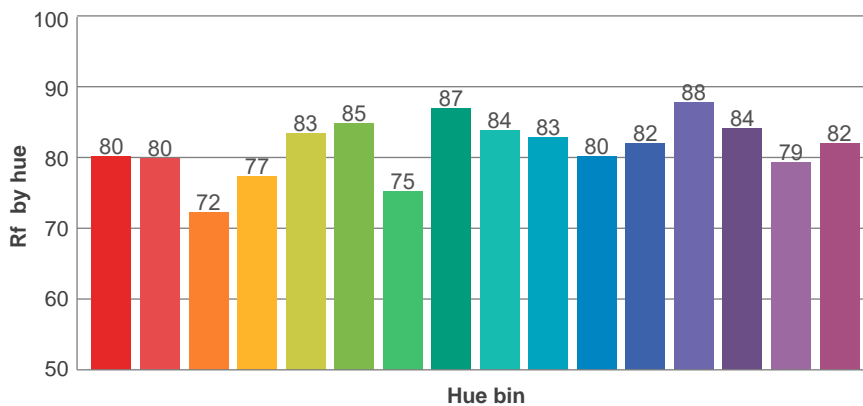
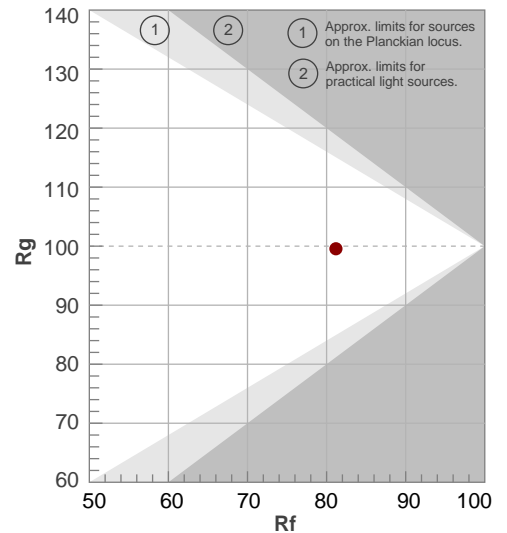
Rf 81.2

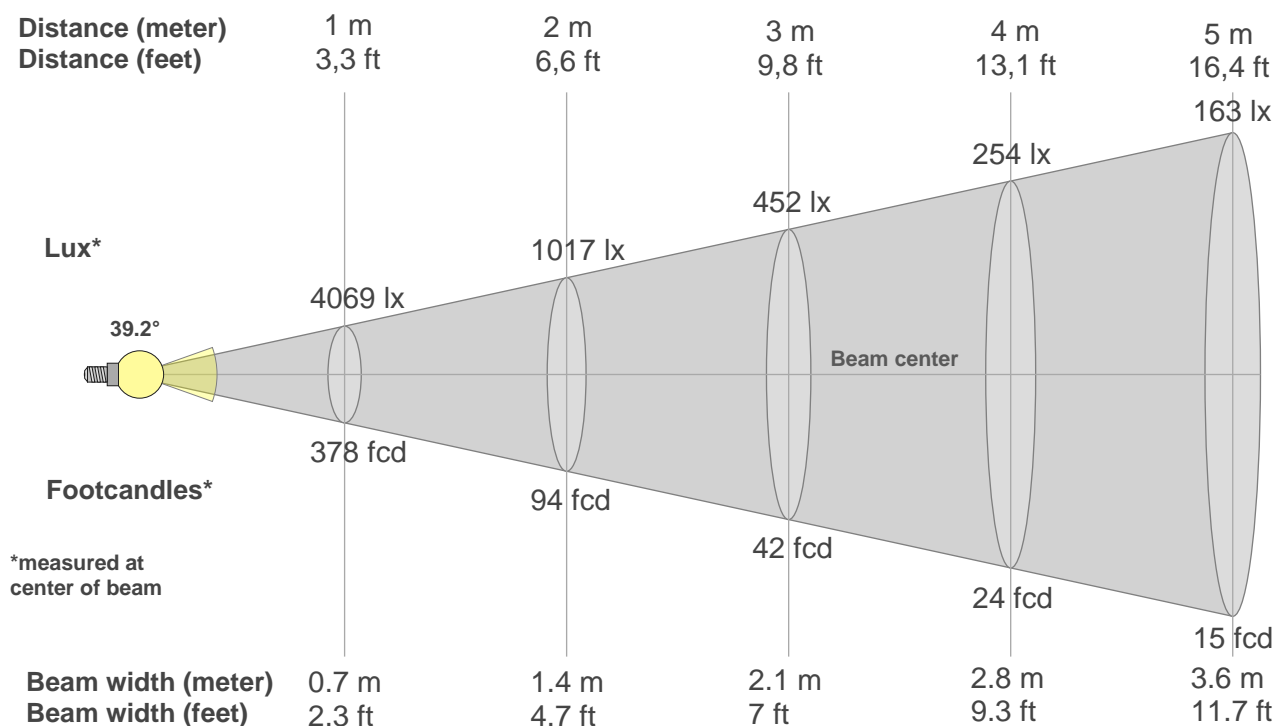
Fidelity index Rf

Rg 99.6

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	80	-10%	-4%
2	80	-9%	8%
3	72	-3%	15%
4	77	8%	14%
5	83	12%	8%
6	85	10%	-3%
7	75	5%	-15%
8	87	-2%	-8%
9	84	-7%	-6%
10	83	-10%	2%
11	80	-7%	11%
12	82	4%	8%
13	88	8%	-1%
14	84	7%	-10%
15	79	3%	-13%
16	82	-7%	-13%





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
4069lx	1017lx	452lx	254lx	163lx	113lx	83lx	64lx	50lx	41lx	34lx	28lx	24lx	21lx	18lx	16lx	14lx	13lx	11lx	10lx
378fcd	94.5fcd	42fcd	23.6fcd	15.1fcd	10.5fcd	7.7fcd	5.9fcd	4.7fcd	3.8fcd	3.1fcd	2.6fcd	2.2fcd	1.9fcd	1.7fcd	1.5fcd	1.3fcd	1.2fcd	1fcd	0.9fcd

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°
4069	4060	4024	3899	3773	3545	3280	2993	2637	2280	1974	1685	1425	1257	1088	948	819	694	579	464
100%	100%	99%	96%	93%	87%	81%	74%	65%	56%	49%	41%	35%	31%	27%	23%	20%	17%	14%	11%

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°
4069	4037	4006	3868	3727	3522	3245	2968	2634	2299	1982	1687	1392	1212	1034	883	762	641	531	422
100%	99%	98%	95%	92%	87%	80%	73%	65%	56%	49%	41%	34%	30%	25%	22%	19%	16%	13%	10%

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°
4069	4048	3950	3851	3656	3431	3182	2864	2546	2257	1975	1714	1503	1292	1130	982	841	718	596	485
100%	100%	97%	95%	90%	84%	78%	70%	63%	55%	49%	42%	37%	32%	28%	24%	21%	18%	15%	12%

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°
4069	4047	3979	3906	3711	3516	3252	2929	2606	2292	1978	1713	1489	1268	1126	983	851	728	605	490
100%	99%	98%	96%	91%	86%	80%	72%	64%	56%	49%	42%	37%	31%	28%	24%	21%	18%	15%	12%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
39.2°	78.1°	91.6°	99.8%	98.6%