

Light efficiency:

78 Lumen/Watt

Light quality:

CRI: 81.1

Color temperature:

2922 K

Output: 2143 lm

Peak: 3790 cd

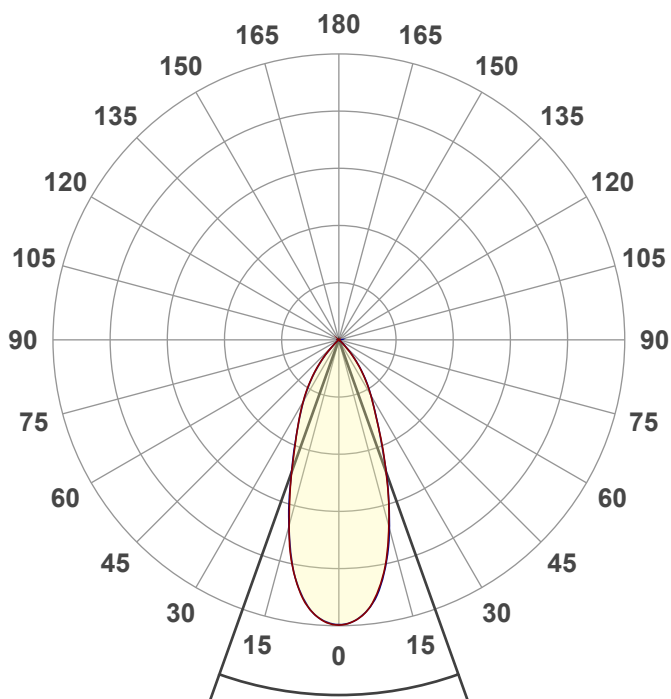
Power: 27.5 W

PF: 0.98



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

Date and time:
1/22/2021 10:10:05 AM



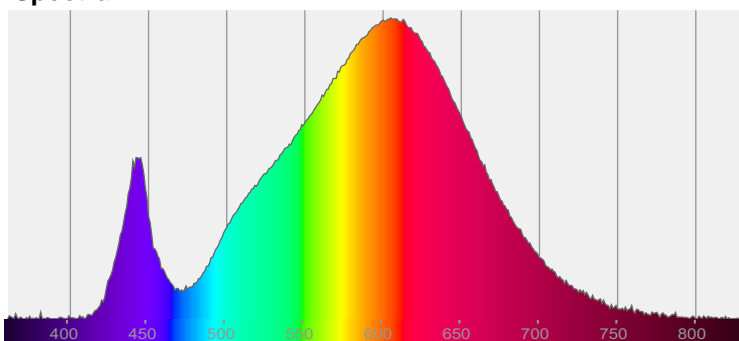
Beam angle

39.3°

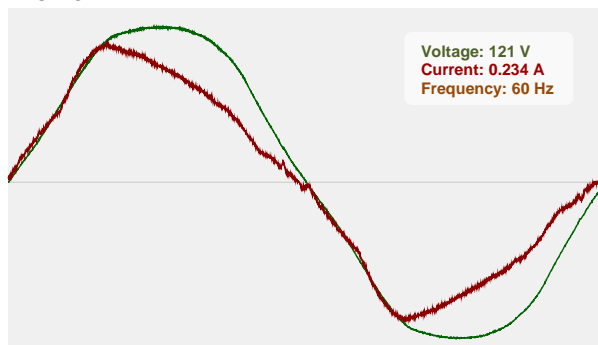


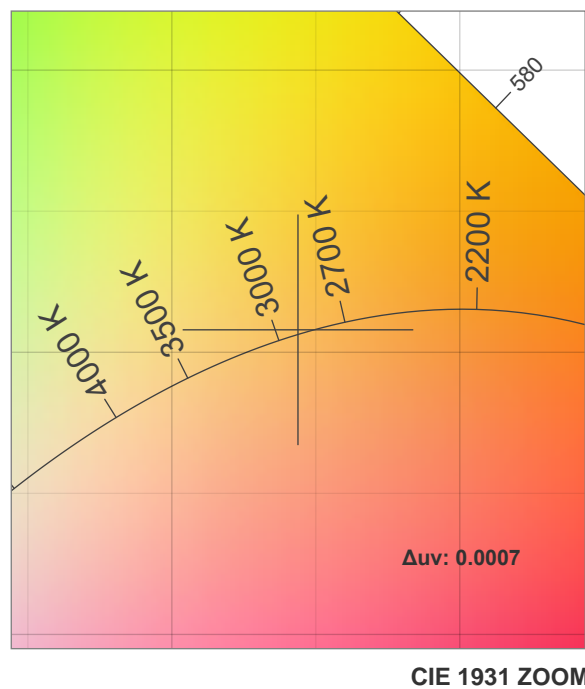
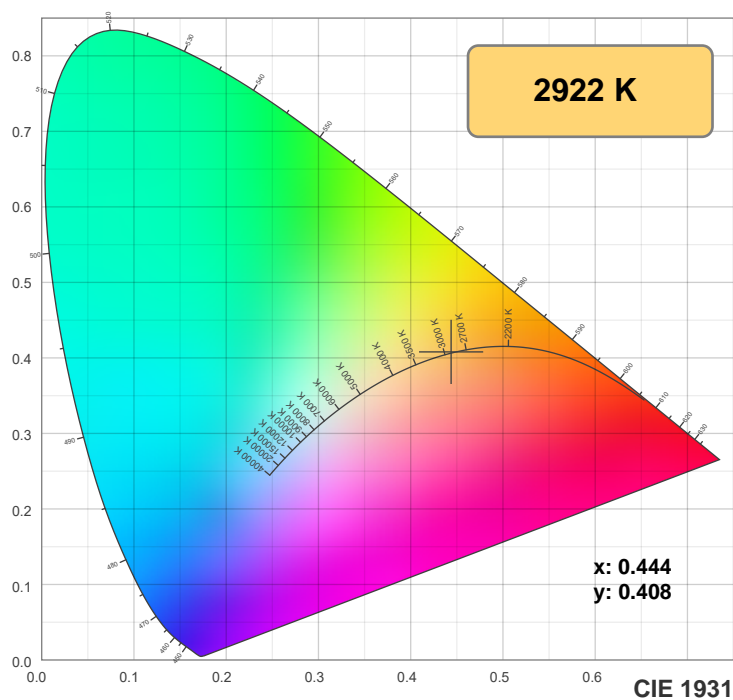
CIE 1931
x: 0.444
y: 0.408

Spectra

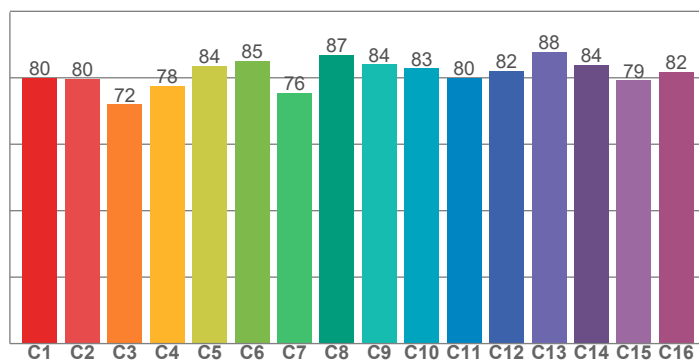


Power

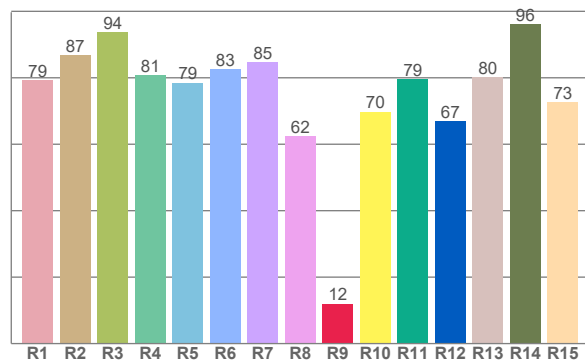




TM30: 81.2



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	86.7	93.8	80.8	78.5	82.6	84.6	62.4	12.0	69.7	79.5	66.8	80.2	96.1	72.6

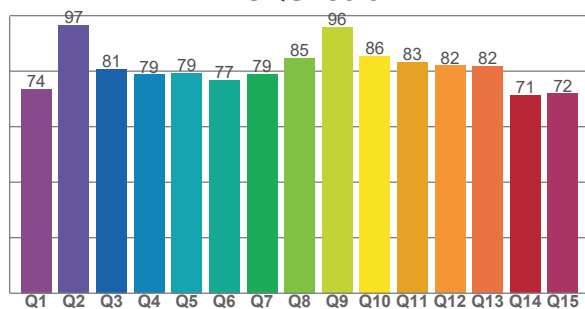
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
80.0	79.7	72.0	77.6	83.6	85.0	75.5	87.0	84.0	82.8	79.9	82.1	87.8	83.8	79.3	81.7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
73.5	96.5	80.8	78.8	79.4	76.8	79.0	84.7	95.9	85.5	83.4	82.0	81.9	71.3	72.0

CQS: 80.0



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
2922 K	81.1	12.0	81.2	99.4	80.0	0.444	0.408	0.253	0.349	0.0007

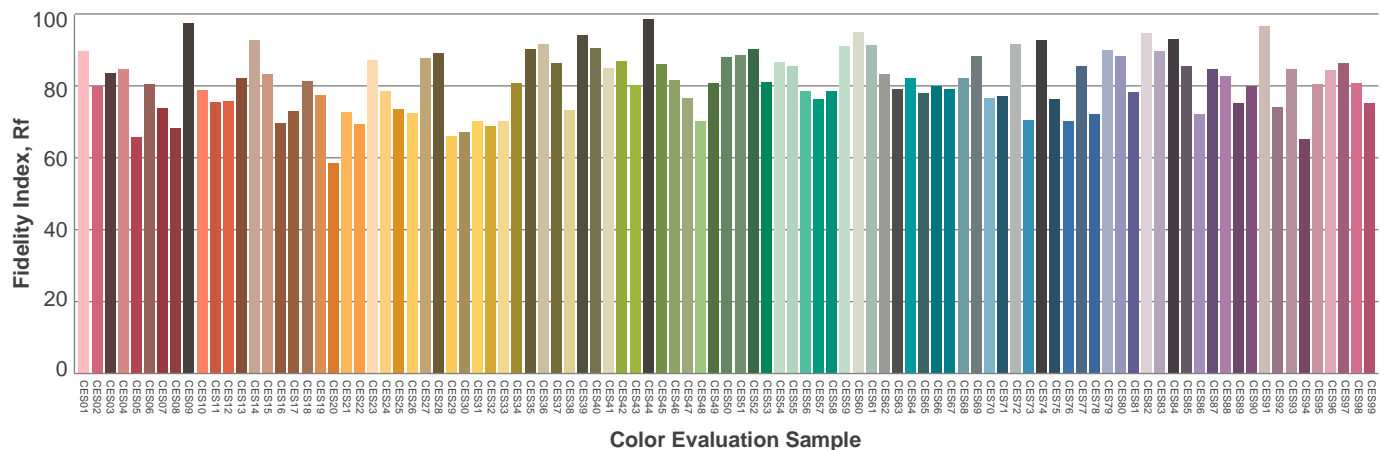
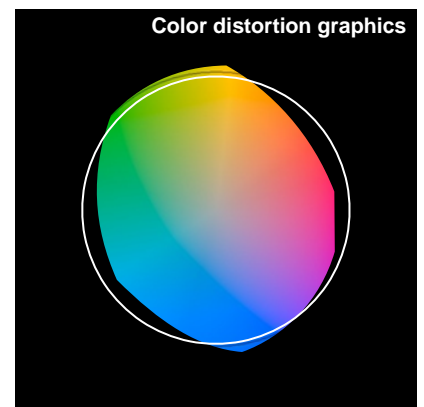
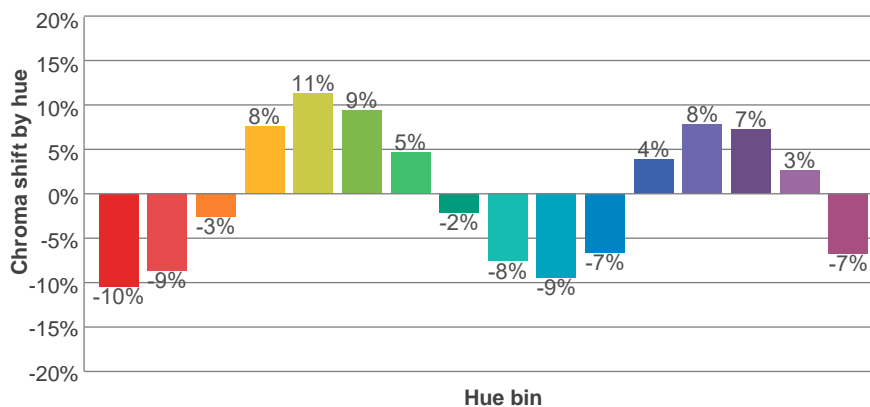
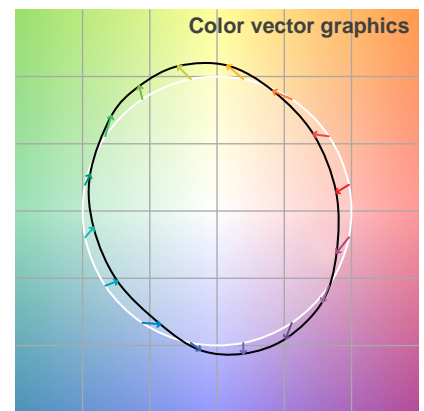
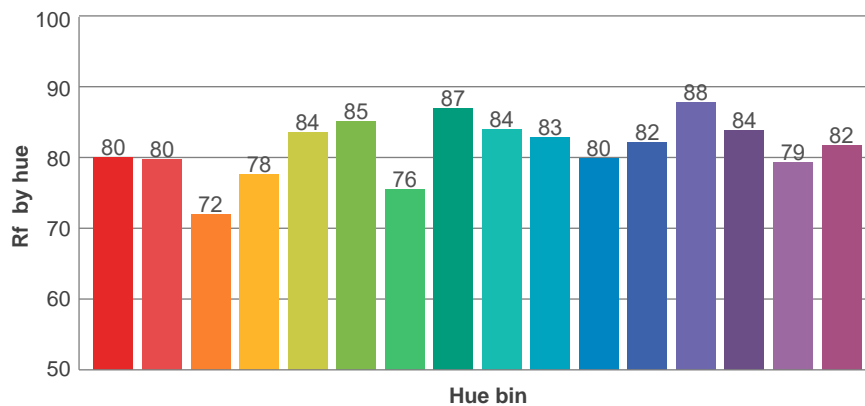
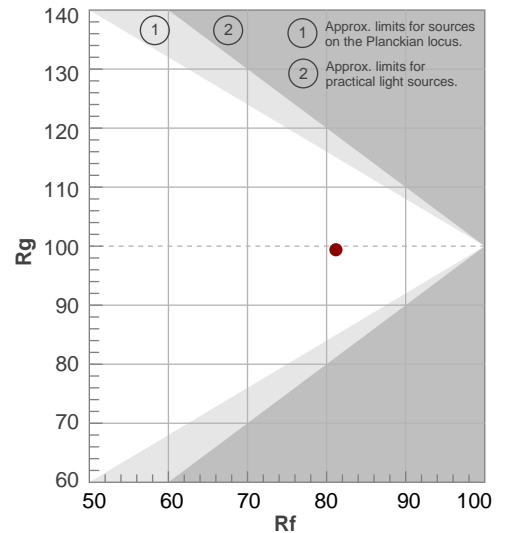
Rf 81.2

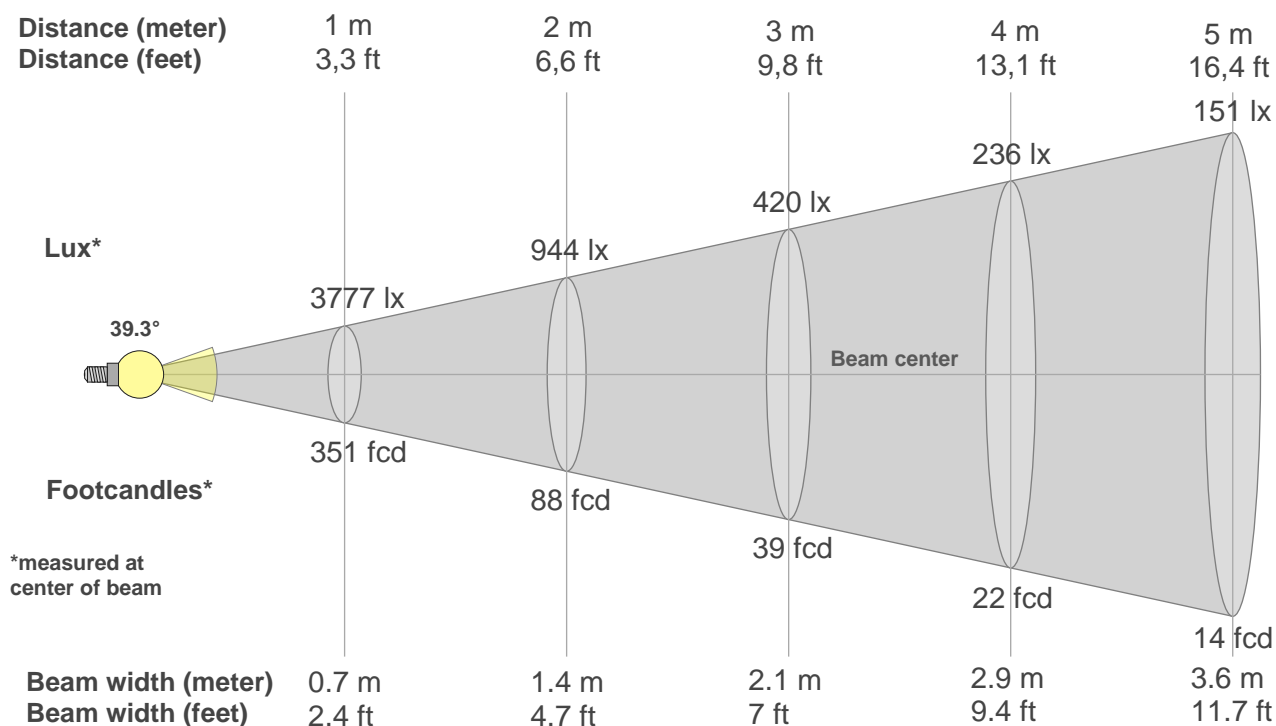
Fidelity index Rf

Rg 99.4

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	80	-10%	-4%
2	80	-9%	8%
3	72	-3%	15%
4	78	8%	13%
5	84	11%	7%
6	85	9%	-3%
7	76	5%	-15%
8	87	-2%	-8%
9	84	-8%	-6%
10	83	-9%	2%
11	80	-7%	12%
12	82	4%	8%
13	88	8%	-2%
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
3777lx	944lx	420lx	236lx	151lx	105lx	77lx	59lx	47lx	38lx	31lx	26lx	22lx	19lx	17lx	15lx	13lx	12lx	10lx	9lx
350.9fcd	87.7fcd	39fcd	21.9fcd	14fcd	9.7fcd	7.2fcd	5.5fcd	4.3fcd	3.5fcd	2.9fcd	2.4fcd	2.1fcd	1.8fcd	1.6fcd	1.4fcd	1.2fcd	1.1fcd	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°
3777	3779	3695	3612	3448	3242	3016	2720	2424	2132	1843	1575	1351	1127	987	856	735	624	514	415
100%	100%	98%	96%	91%	86%	80%	72%	64%	56%	49%	42%	36%	30%	26%	23%	19%	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°
3777	3755	3716	3595	3473	3263	3019	2756	2446	2135	1849	1567	1329	1154	979	862	746	634	526	419
100%	99%	98%	95%	92%	86%	80%	73%	65%	57%	49%	41%	35%	31%	26%	23%	20%	17%	14%	11%

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°
3777	3765	3706	3593	3476	3245	3013	2730	2412	2104	1849	1593	1404	1241	1088	960	833	714	597	484
100%	100%	98%	95%	92%	86%	80%	72%	64%	56%	49%	42%	37%	33%	29%	25%	22%	19%	16%	13%

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°
3777	3762	3690	3618	3435	3246	3006	2716	2426	2137	1848	1614	1413	1223	1083	942	816	694	575	462
100%	100%	98%	96%	91%	86%	80%	72%	64%	57%	49%	43%	37%	32%	29%	25%	22%	18%	15%	12%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
39.3°	78.5°	91.8°	99.4%	97.8%