

Light efficiency:

35 Lumen/Watt

Light quality:

CRI: 83.0

Color temperature:

2879 K

Output: 1057 lm

Peak: 7624 cd

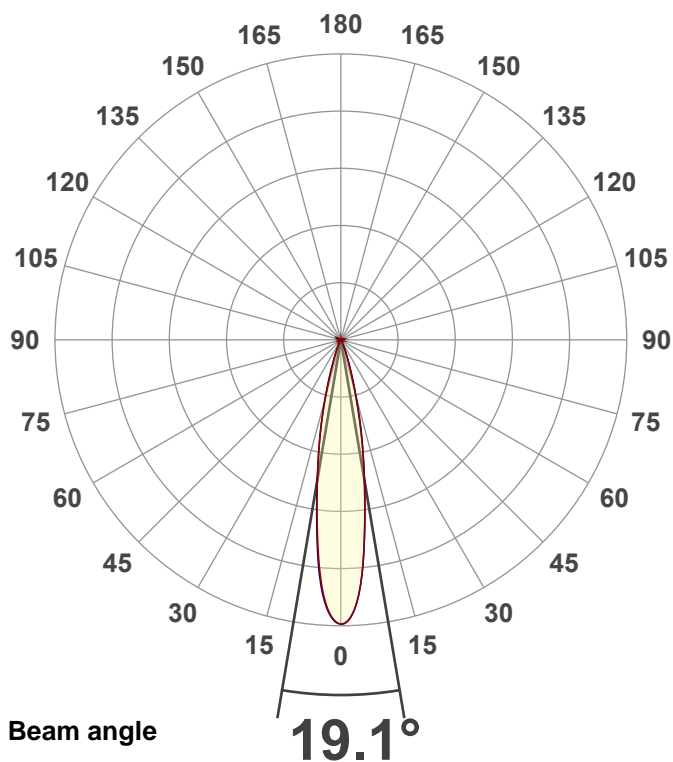
Power: 30.0 W

PF: 0.98



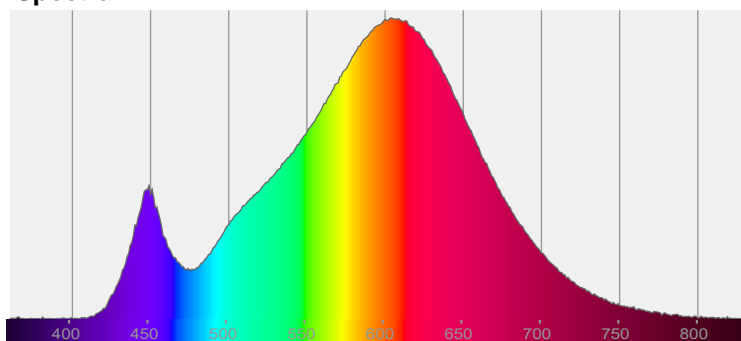
NU3-RDDR-XTM09-16LM-30K-83-15D-HET-SA

Date and time:
4/11/2022 11:45:37 AM



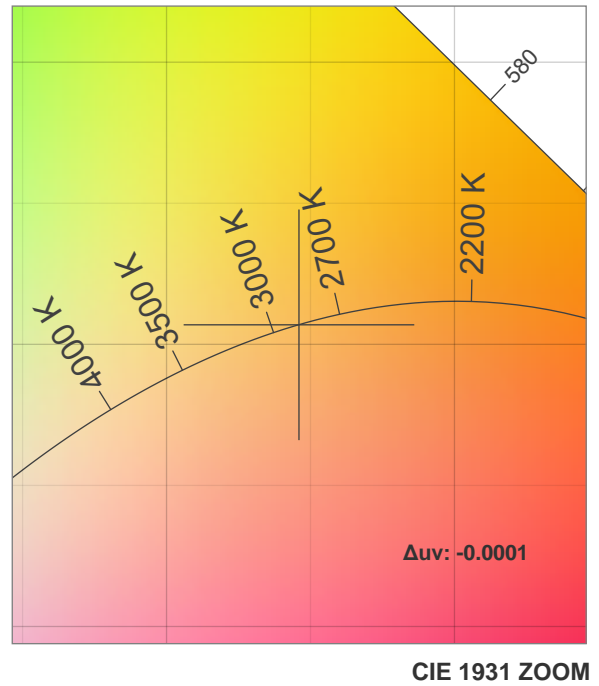
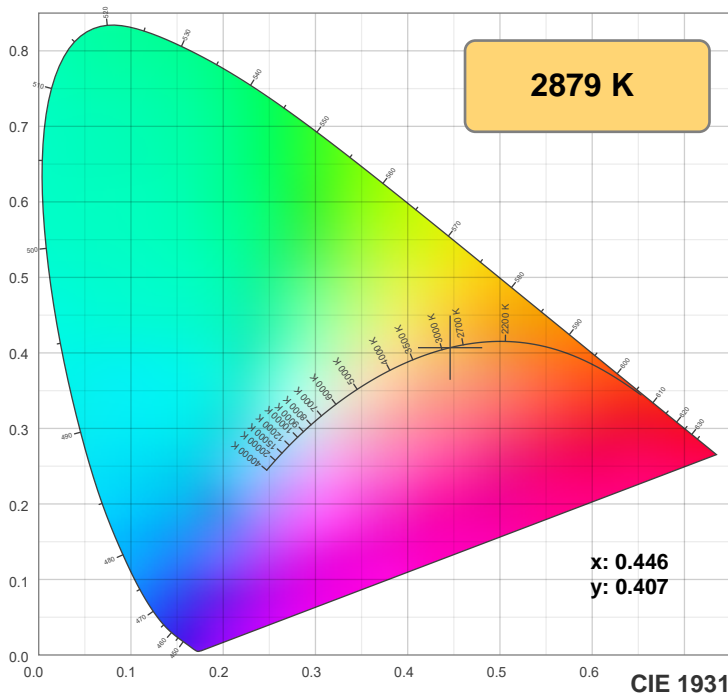
CIE 1931
x: 0.446
y: 0.407

Spectra

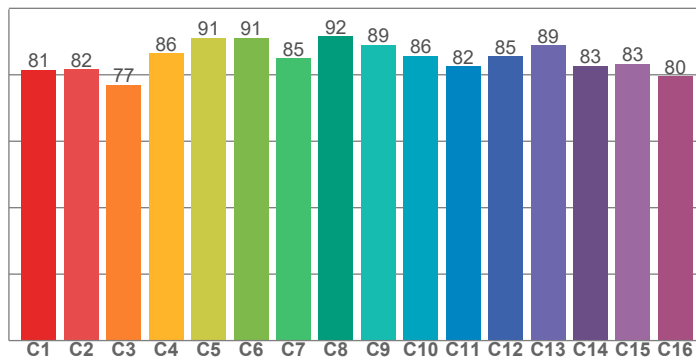


Power

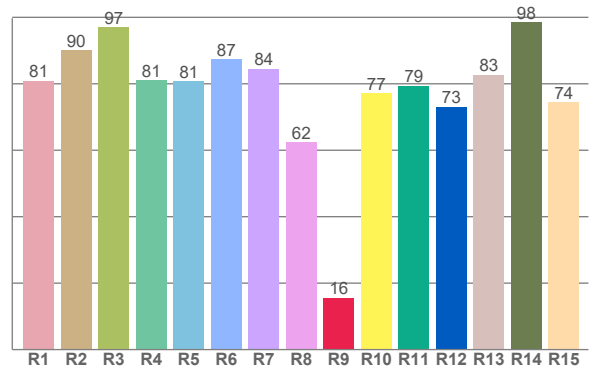
Voltage: 121 V
Current: 0.248 A
Frequency: 0 Hz



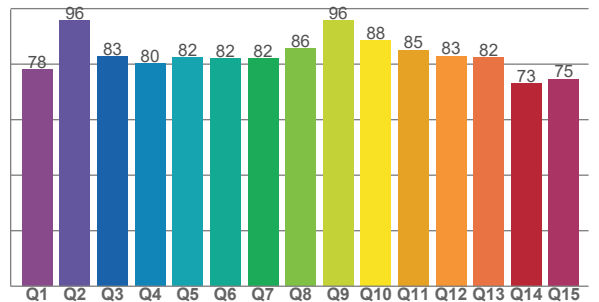
TM30: 85.0



CRI: 83.0 (R1-R8)



CQS: 82.2



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
80.9	90.0	97.0	81.0	80.7	87.3	84.5	62.5	15.6	77.2	79.4	73.0	82.7	98.5	74.4

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
81.4	81.6	76.9	86.4	91.2	91.1	85.0	91.5	89.0	85.7	82.5	85.5	88.9	82.6	83.3	79.6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
78.0	95.7	82.7	80.2	82.4	82.0	82.1	85.6	95.7	88.4	85.1	83.0	82.4	73.1	74.6

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
2879 K	83.0	15.6	85.0	97.3	82.2	0.446	0.407	0.255	0.349	-0.0001

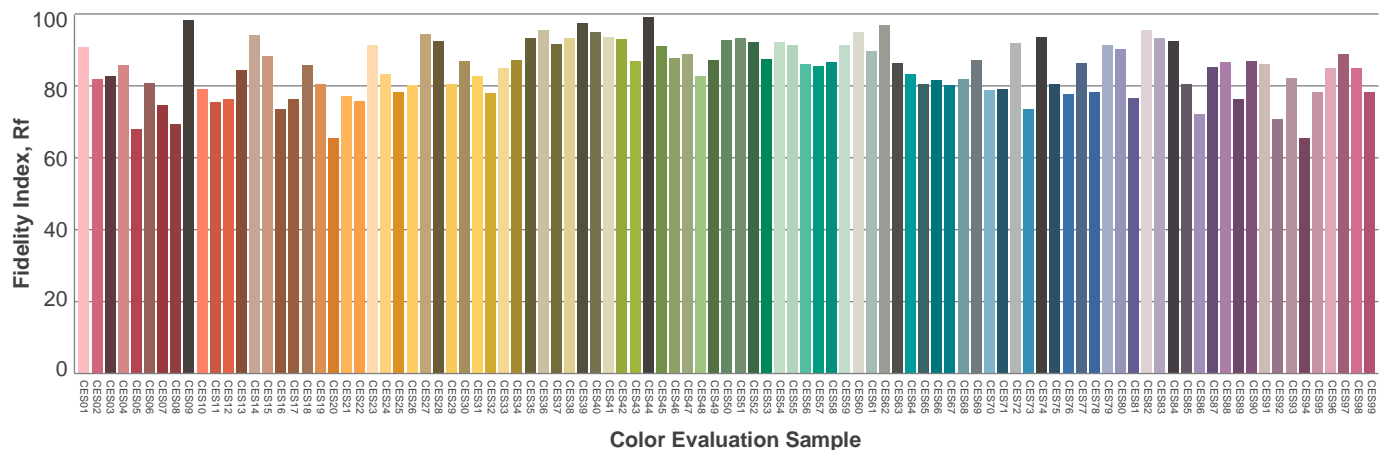
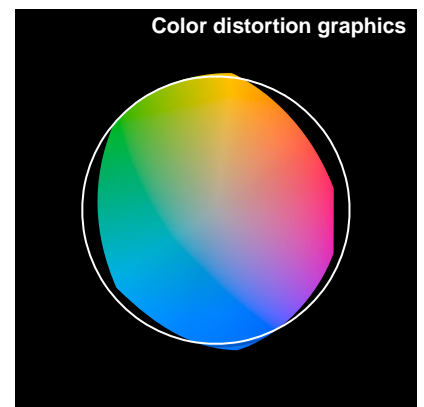
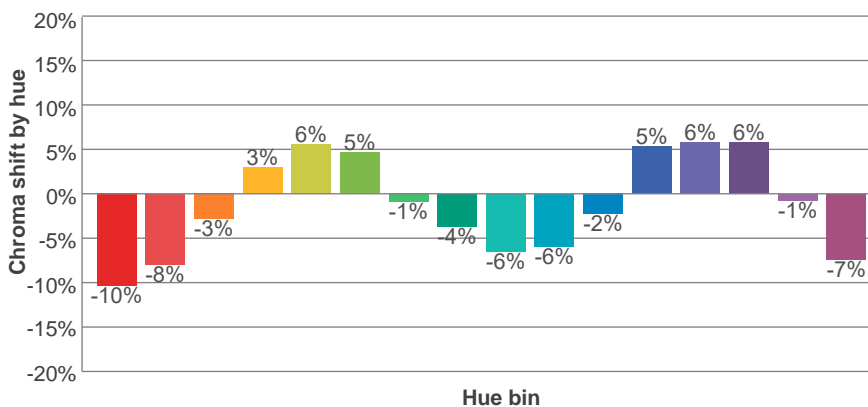
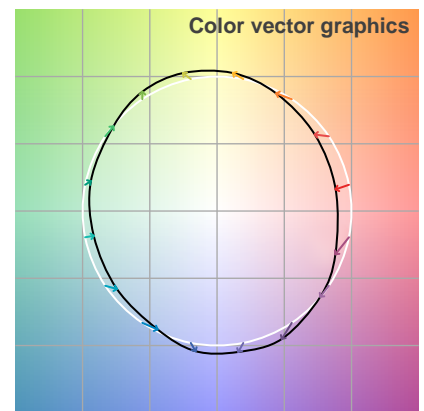
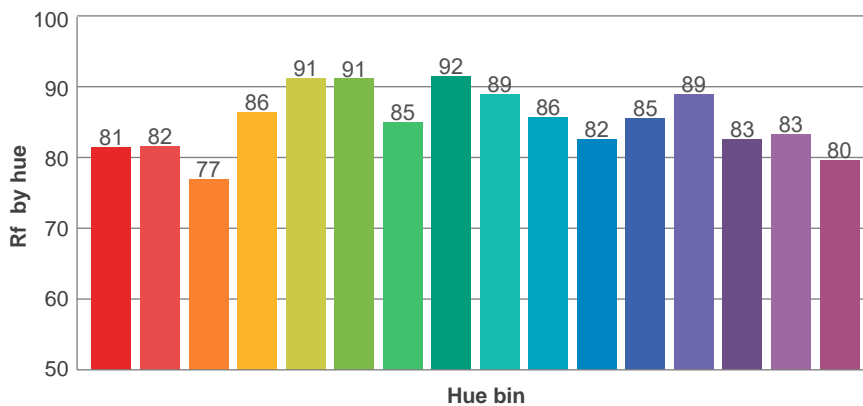
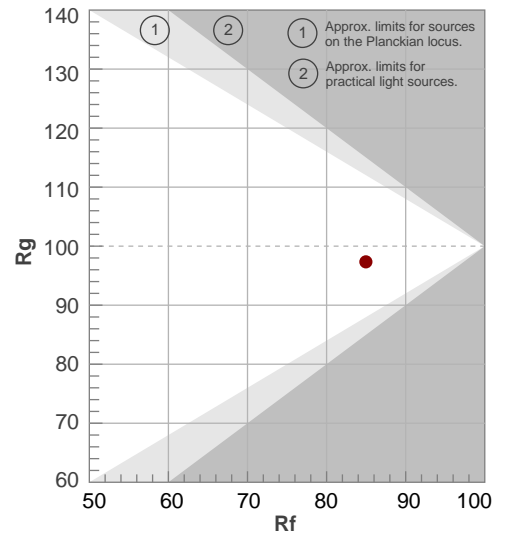
Rf 85.0

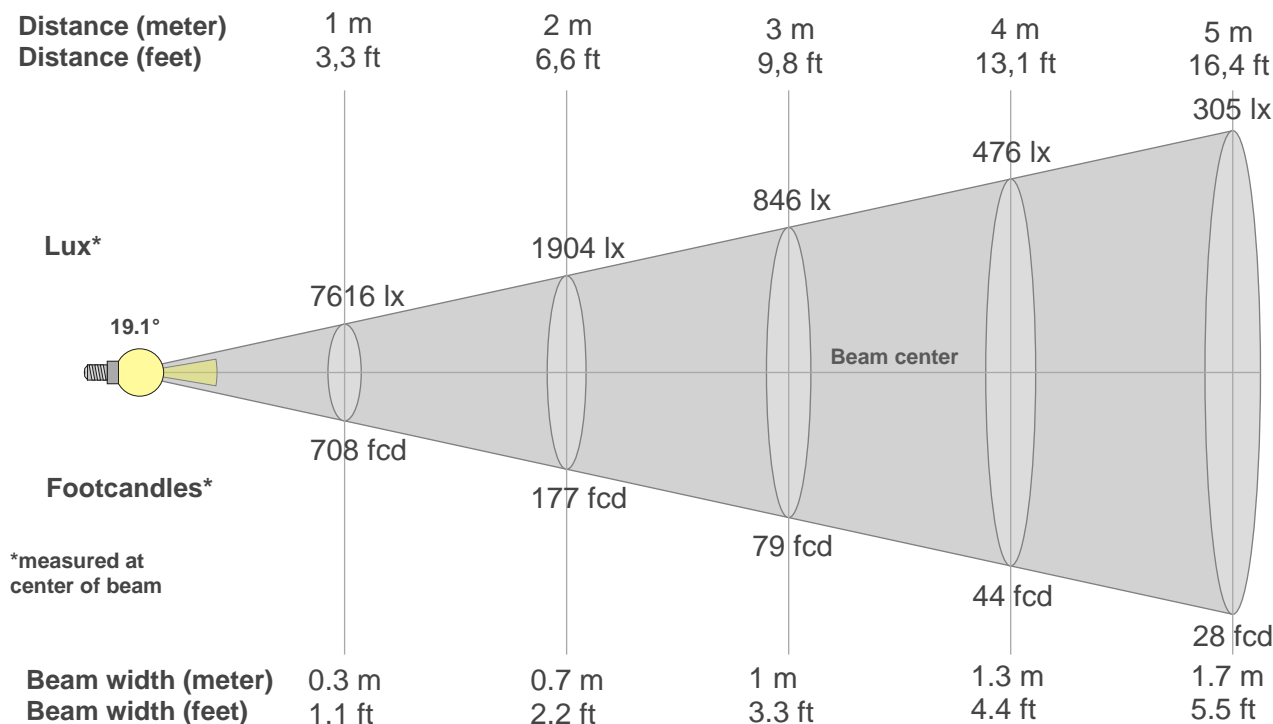
Fidelity index Rf

Rg 97.3

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	81	-10%	-1%
2	82	-8%	7%
3	77	-3%	12%
4	86	3%	9%
5	91	6%	5%
6	91	5%	-3%
7	85	-1%	-10%
8	92	-4%	-4%
9	89	-6%	0%
10	86	-6%	7%
11	82	-2%	12%
12	85	5%	5%
13	89	6%	-5%
14	83	6%	-13%
15	83	-1%	-10%
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
7616lx	1904lx	846lx	476lx	305lx	212lx	155lx	119lx	94lx	76lx	63lx	53lx	45lx	39lx	34lx	30lx	26lx	24lx	21lx	19lx
707.5fcd	176.9fcd	78.6fcd	44.2fcd	28.3fcd	19.7fcd	14.4fcd	11.1fcd	8.7fcd	7.1fcd	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°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
7616	7581	7442	7201	6846	6378	5816	5207	4614	4072	3573	3105	2665	2247	1851	1502	1209	963	759	600
100%	100%	98%	95%	90%	84%	76%	68%	61%	53%	47%	41%	35%	29%	24%	20%	16%	13%	10%	8%

Intensities in 90° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
7616	7574	7436	7193	6844	6381	5821	5221	4635	4093	3599	3146	2722	2318	1936	1588	1287	1036	829	659
100%	99%	98%	94%	90%	84%	76%	69%	61%	54%	47%	41%	36%	30%	25%	21%	17%	14%	11%	9%

Intensities in 180° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
7616	7556	7407	7161	6806	6330	5772	5170	4599	4064	3573	3131	2733	2356	1987	1642	1332	1067	847	667
100%	99%	97%	94%	89%	83%	76%	68%	60%	53%	47%	41%	36%	31%	26%	22%	17%	14%	11%	9%

Intensities in 270° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
7616	7571	7430	7197	6862	6421	5872	5263	4663	4107	3598	3145	2727	2329	1946	1593	1286	1023	804	629
100%	99%	98%	94%	90%	84%	77%	69%	61%	54%	47%	41%	36%	31%	26%	21%	17%	13%	11%	8%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
19.1°	36.5°	47.5°	99.6%	99.4%