

Light efficiency:

47 Lumen/Watt

Light quality:

CRI: 83.6

Color temperature:

2891 K

Output: 1690 lm

Peak: 5627 cd

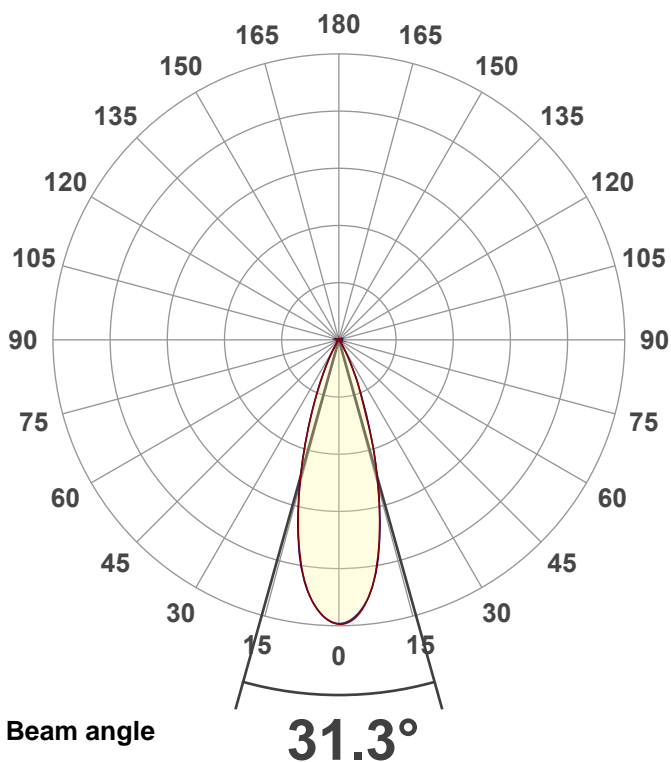
Power: 36.3 W

PF: 0.98



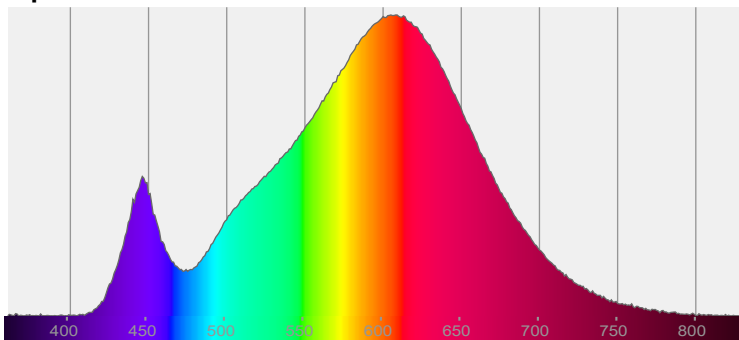
NU3-RA-XTM09-20LM-30K-83-35D-NA-NL-WH-WH

Date and time:
6/2/2022 2:30:41 PM

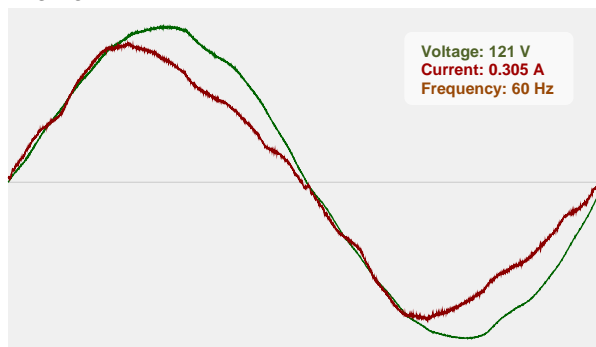


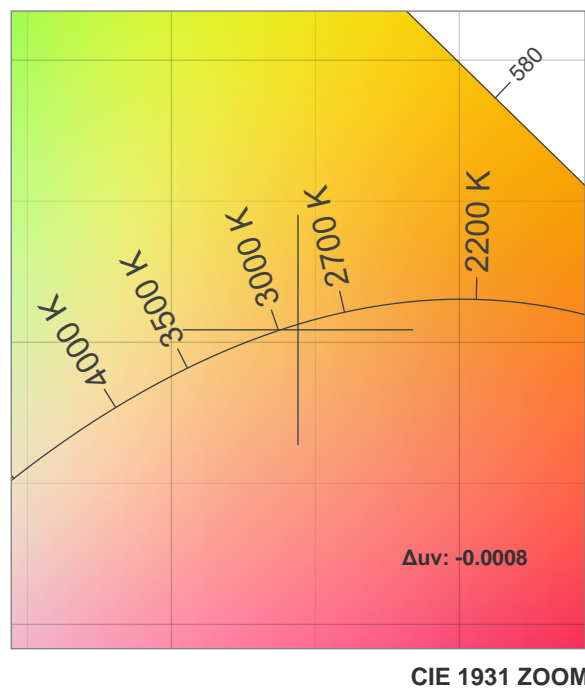
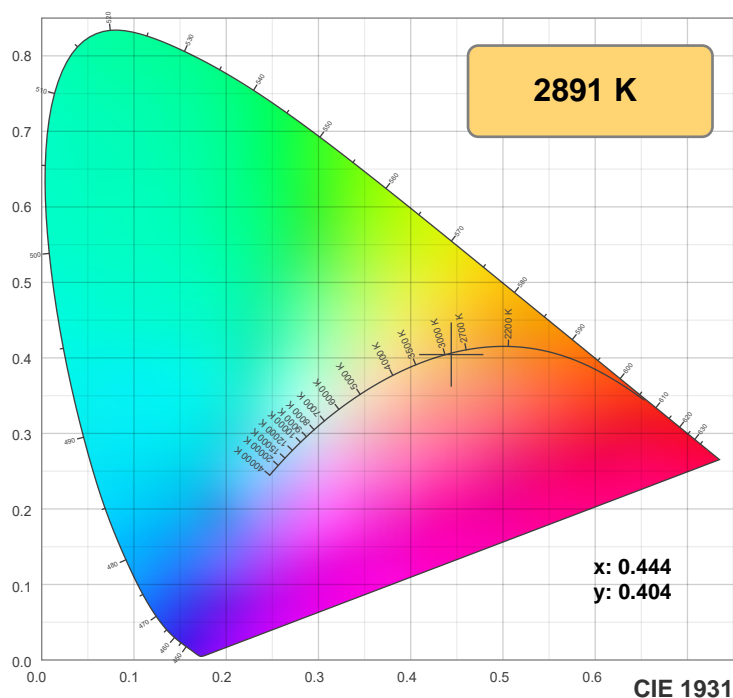
CIE 1931
x: 0.444
y: 0.404

Spectra

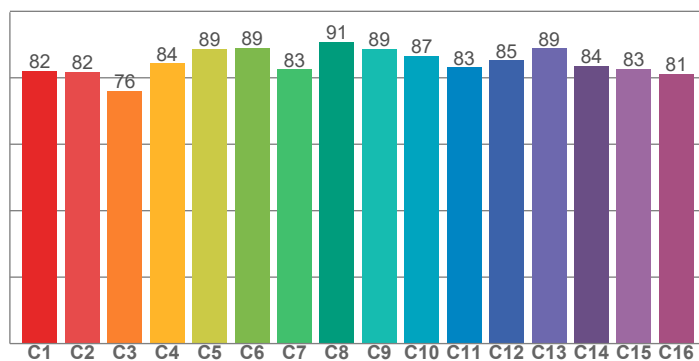


Power

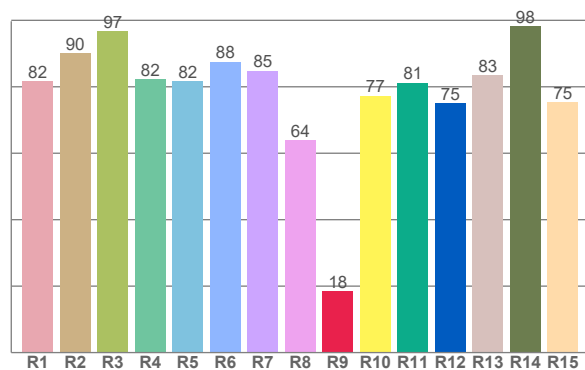




TM30: 84.6



CRI: 83.6 (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
81.8	90.1	96.7	82.3	81.7	87.5	84.8	63.9	18.4	77.3	81.3	75.0	83.4	98.1	75.4

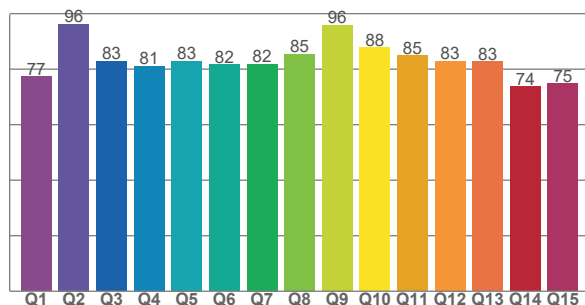
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
82.0	81.8	76.1	84.4	88.7	89.1	82.5	90.7	88.7	86.5	83.2	85.2	88.8	83.5	82.7	81.1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77.3	96.2	82.8	81.1	82.9	81.7	81.9	85.5	95.9	87.8	84.9	83.0	82.8	73.8	74.7

CQS: 82.3



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
2891 K	83.6	18.4	84.6	98.7	82.3	0.444	0.404	0.255	0.348	-0.0008

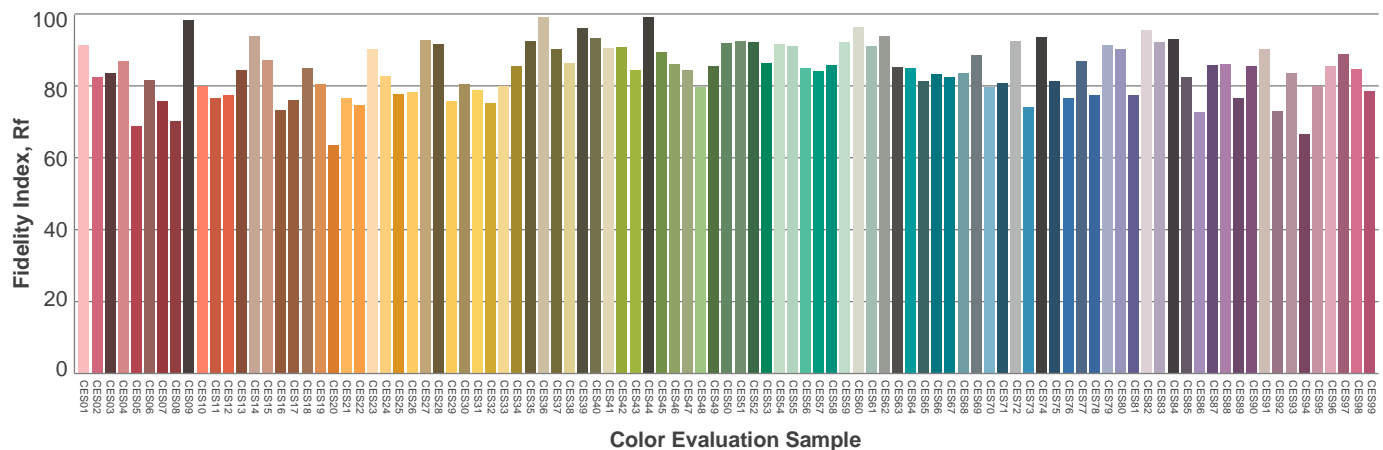
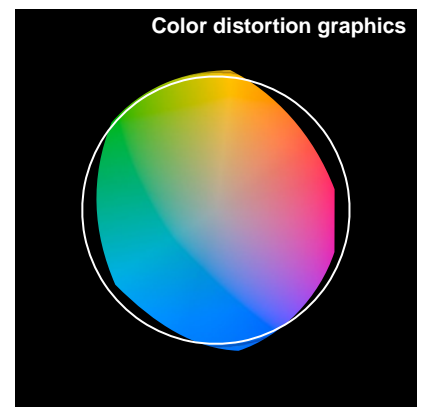
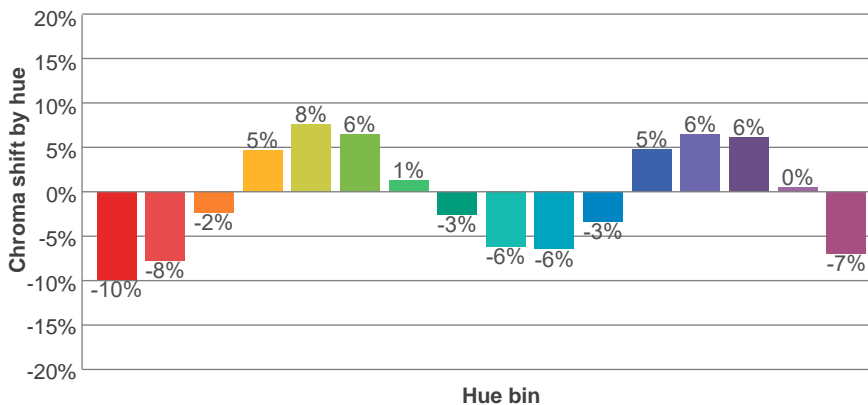
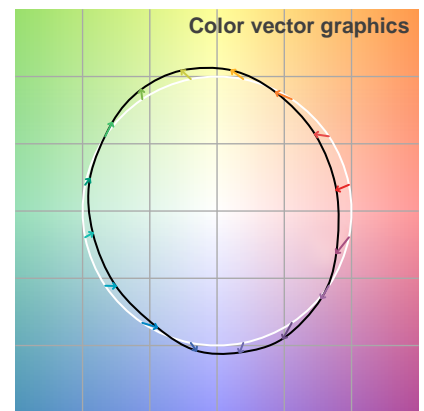
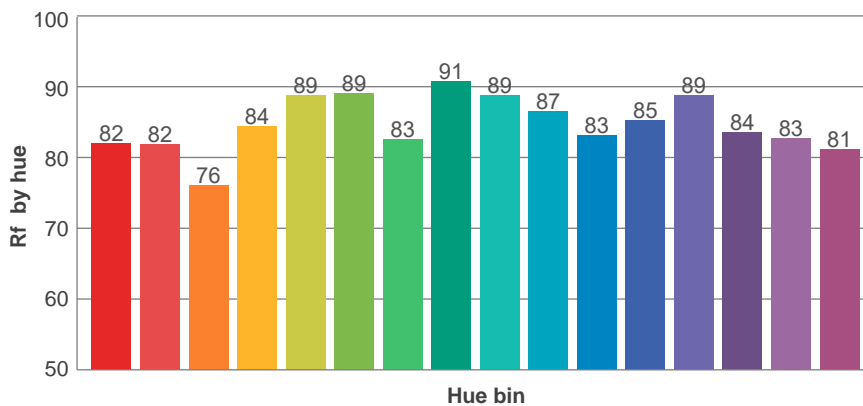
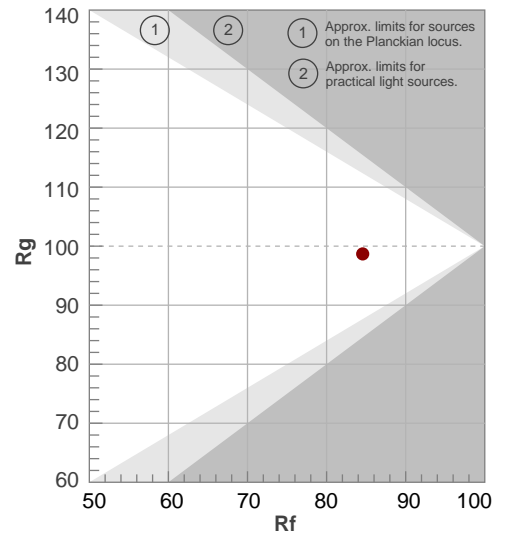
Rf 84.6

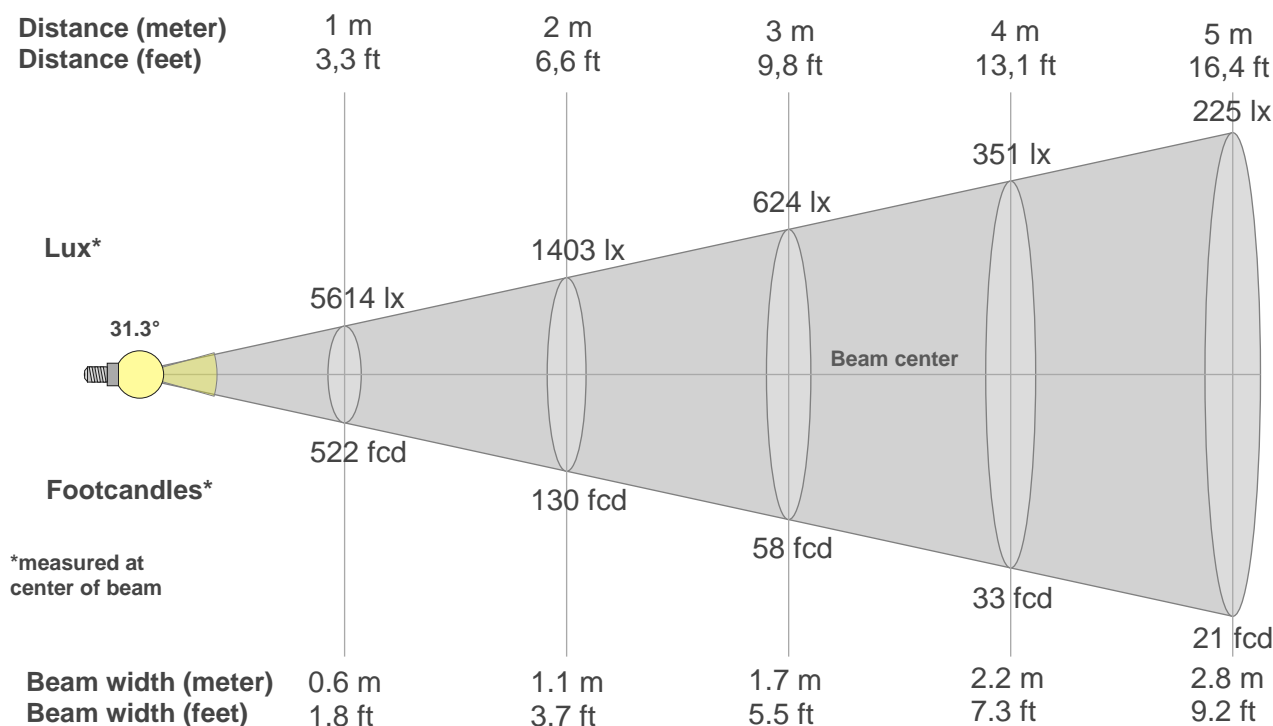
Fidelity index Rf

Rg 98.7

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	82	-10%	-2%
2	82	-8%	7%
3	76	-2%	13%
4	84	5%	10%
5	89	8%	6%
6	89	6%	-3%
7	83	1%	-11%
8	91	-3%	-5%
9	89	-6%	-2%
10	87	-6%	5%
11	83	-3%	11%
12	85	5%	5%
13	89	6%	-4%
14	84	6%	-12%
15	83	0%	-11%
16	81	-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
5614lx	1403lx	624lx	351lx	225lx	156lx	115lx	88lx	69lx	56lx	46lx	39lx	33lx	29lx	25lx	22lx	19lx	17lx	16lx	14lx
521.5fcd	130.4fcd	57.9fcd	32.6fcd	20.9fcd	14.5fcd	10.6fcd	8.1fcd	6.4fcd	5.2fcd	4.3fcd	3.6fcd	3.1fcd	2.7fcd	2.3fcd	2fcd	1.8fcd	1.6fcd	1.4fcd	1.3fcd

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°
5614	5578	5447	5215	4862	4401	3869	3294	2706	2139	1683	1238	861	587	385	243	136	72	43	31
100%	99%	97%	93%	87%	78%	69%	59%	48%	38%	30%	22%	15%	10%	7%	4%	2%	1%	1%	1%

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°
5614	5565	5419	5190	4865	4436	3900	3311	2719	2150	1629	1184	849	594	391	233	118	64	41	28
100%	99%	97%	92%	87%	79%	69%	59%	48%	38%	29%	21%	15%	11%	7%	4%	2%	1%	1%	1%

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°
5614	5556	5413	5165	4819	4377	3855	3285	2705	2147	1645	1213	857	578	389	243	137	70	43	30
100%	99%	96%	92%	86%	78%	69%	59%	48%	38%	29%	22%	15%	10%	7%	4%	2%	1%	1%	1%

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°
5614	5546	5394	5159	4841	4425	3886	3307	2720	2154	1638	1210	870	601	396	247	146	82	50	35
100%	99%	96%	92%	86%	79%	69%	59%	48%	38%	29%	22%	15%	11%	7%	4%	3%	1%	1%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
31.3°	52.5°	63.7°	99.8%	99.5%