

Light efficiency:

44 Lumen/Watt

Light quality:

CRI: 83.6

Color temperature:

2877 K

Output: 1573 lm

Peak: 5109 cd

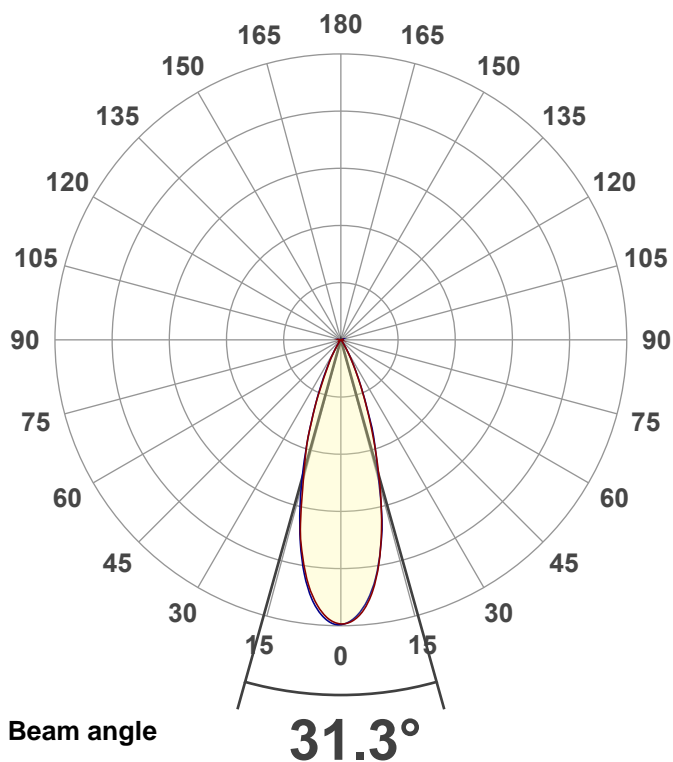
Power: 36.1 W

PF: 0.98



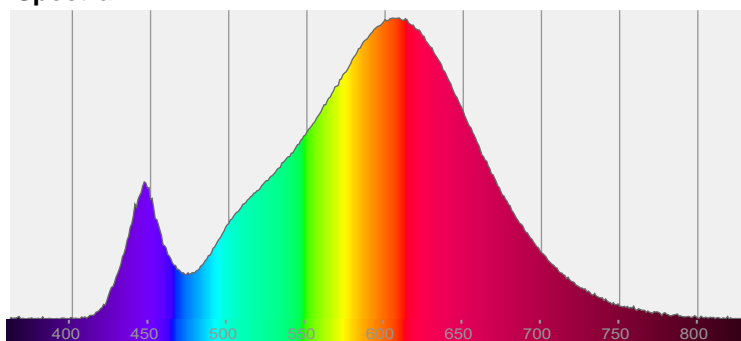
NU3-RA-XTM09-20LM-30K-83-35D-NA-SBL-WH-WH

Date and time:
6/3/2022 9:32:26 AM

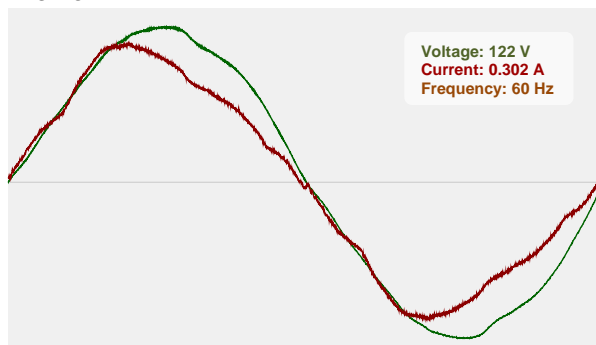


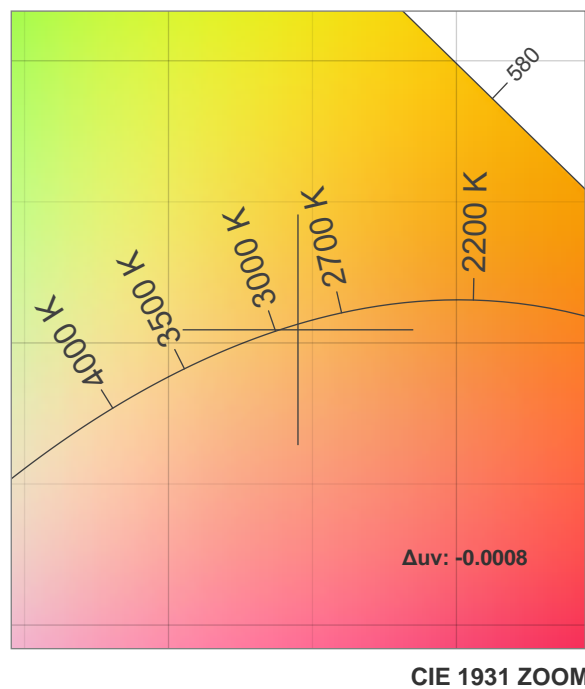
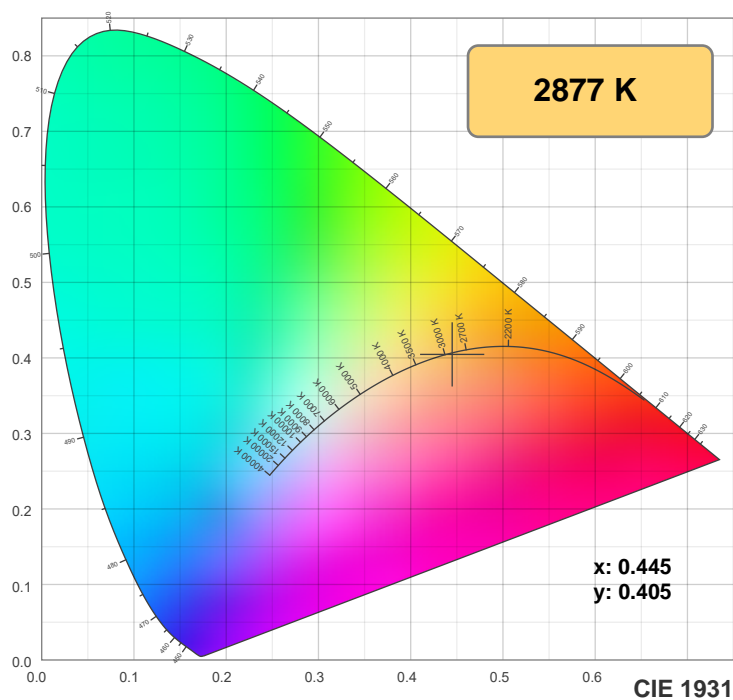
CIE 1931
x: 0.445
y: 0.405

Spectra

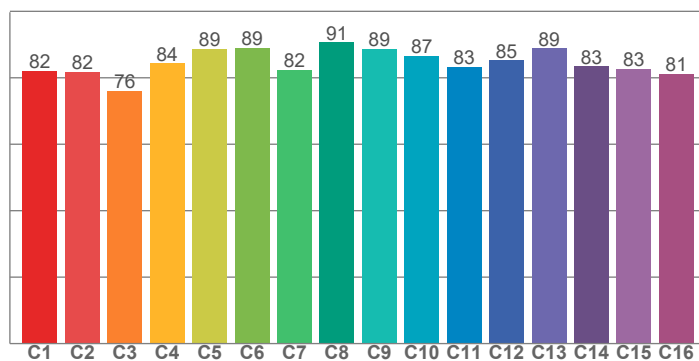


Power

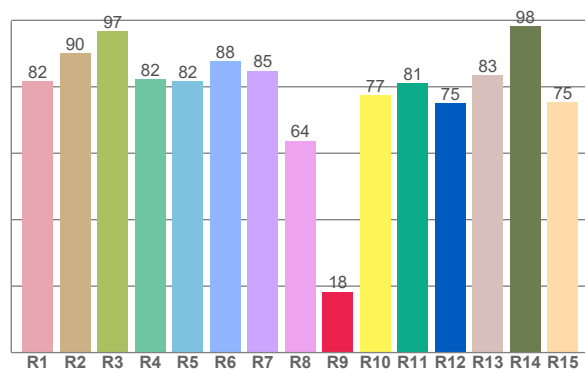




TM30: 84.5



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
81.7	90.1	96.8	82.2	81.6	87.6	84.8	63.8	18.3	77.4	81.2	75.1	83.4	98.2	75.4

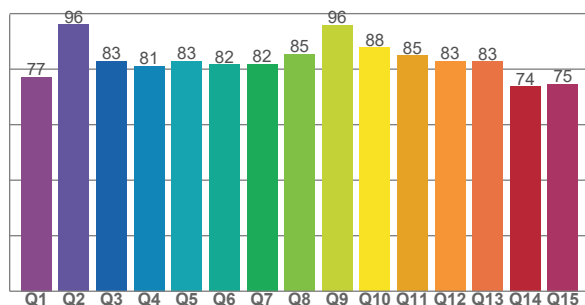
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
82.0	81.8	76.0	84.3	88.7	89.0	82.4	90.7	88.7	86.5	83.2	85.2	88.8	83.5	82.6	81.1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77.2	96.1	82.9	81.1	82.9	81.7	81.8	85.4	95.8	87.8	84.9	82.9	82.7	73.8	74.7

CQS: 82.2



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
2877 K	83.6	18.3	84.5	98.7	82.2	0.445	0.405	0.256	0.349	-0.0008

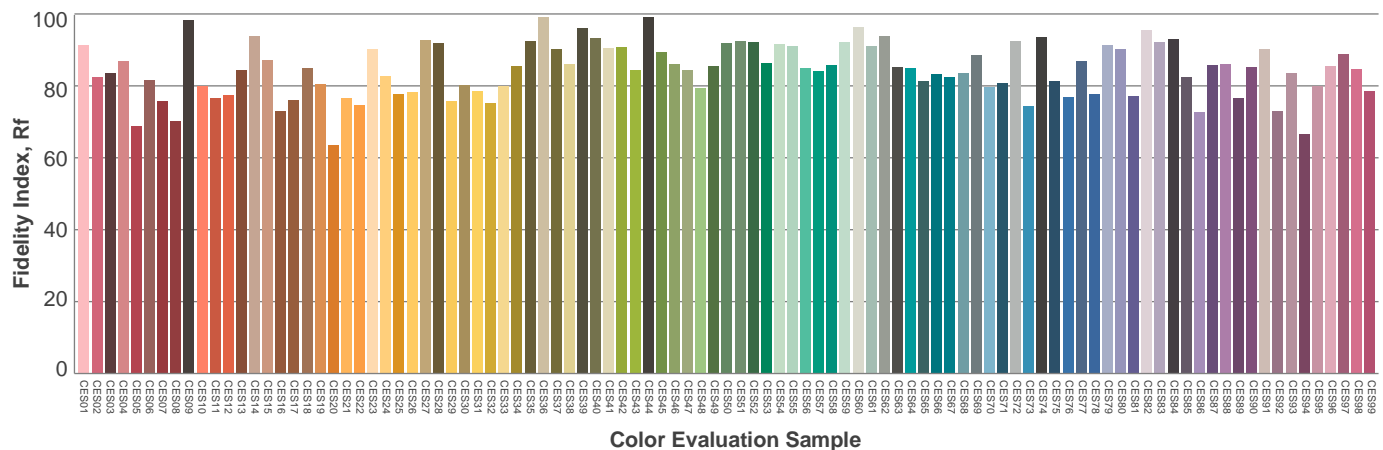
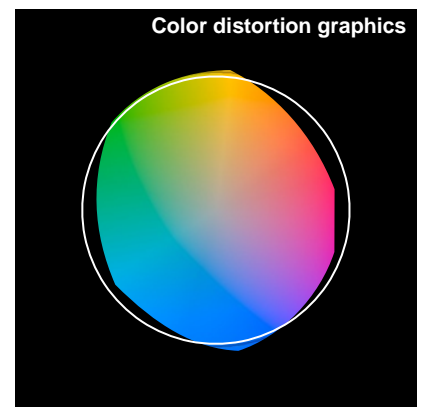
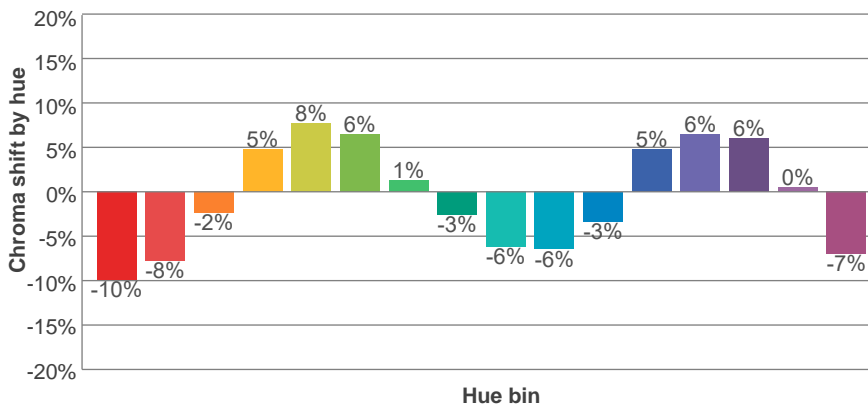
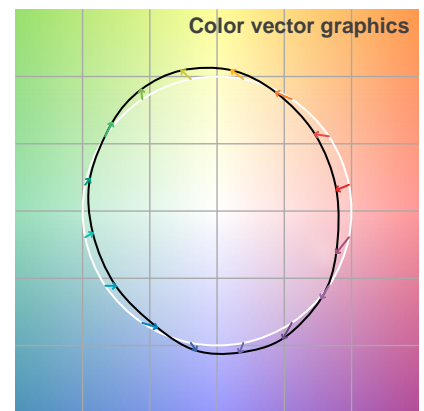
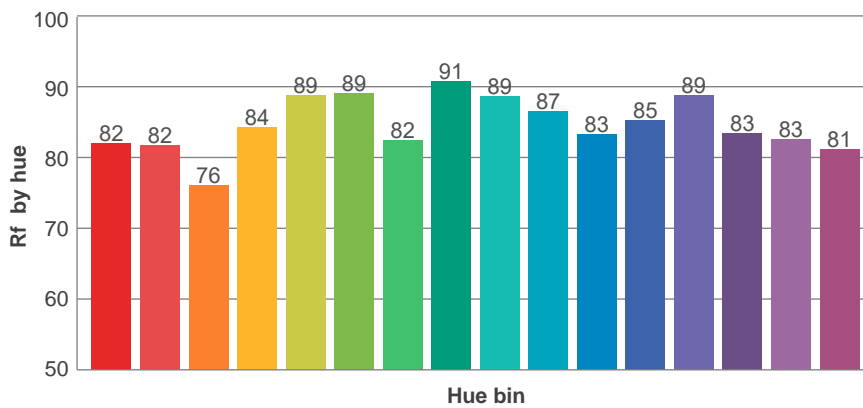
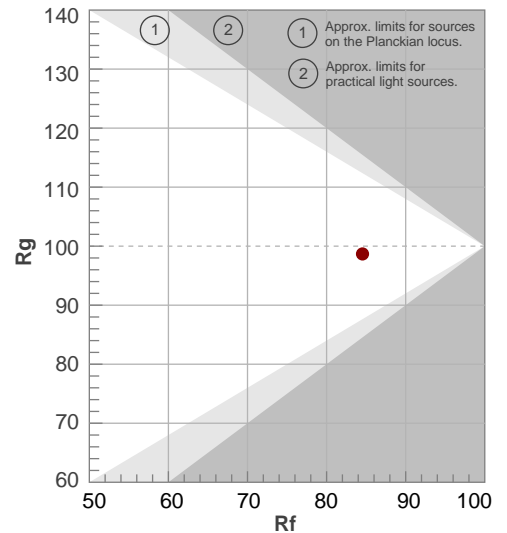
Rf 84.5

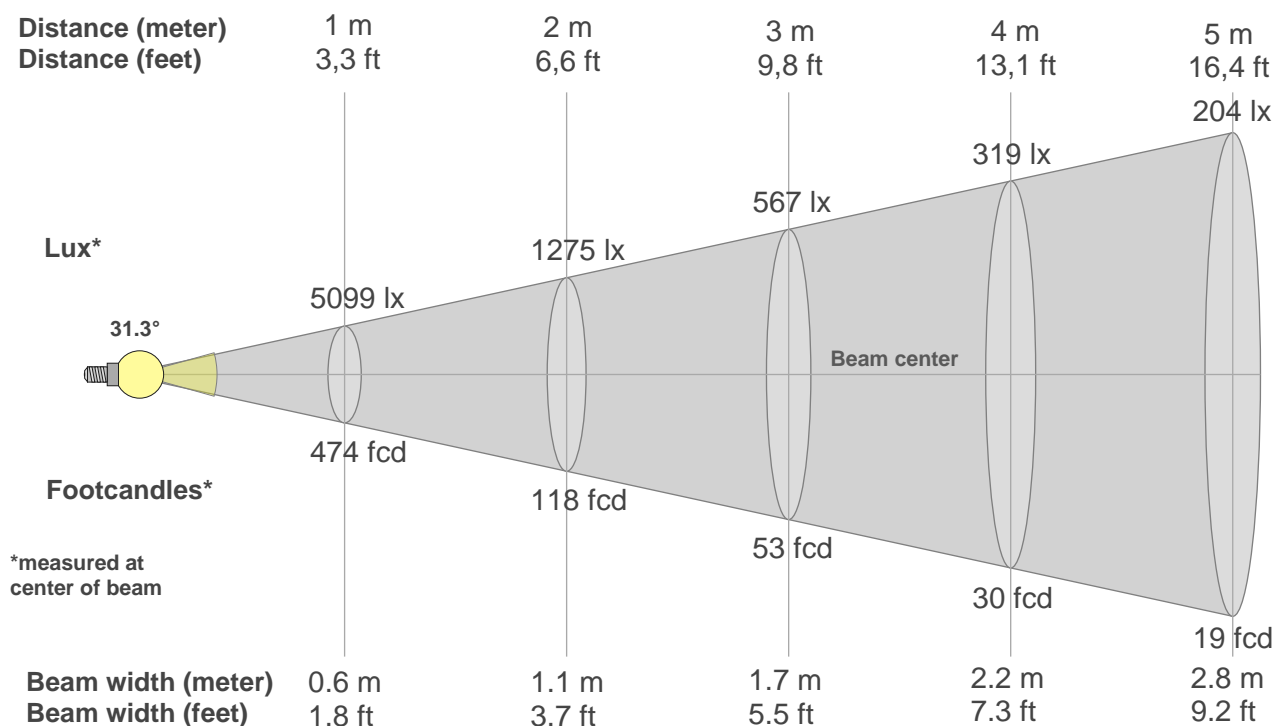
Fidelity index Rf

Rg 98.7

Gamut 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	82	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	83	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
5099lx	1275lx	567lx	319lx	204lx	142lx	104lx	80lx	63lx	51lx	42lx	35lx	30lx	26lx	23lx	20lx	18lx	16lx	14lx	13lx
473.7fcd	118.4fcd	52.6fcd	29.6fcd	18.9fcd	13.2fcd	9.7fcd	7.4fcd	5.8fcd	4.7fcd	3.9fcd	3.3fcd	2.8fcd	2.4fcd	2.1fcd	1.9fcd	1.6fcd	1.5fcd	1.3fcd	1.2fcd

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°
5099	5062	4932	4711	4397	3993	3508	2978	2447	1944	1492	1105	808	572	392	256	154	93	62	44
100%	99%	97%	92%	86%	78%	69%	58%	48%	38%	29%	22%	16%	11%	8%	5%	3%	2%	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°
5099	5036	4894	4677	4370	3972	3510	3008	2490	1973	1522	1138	822	571	378	240	146	86	53	35
100%	99%	96%	92%	86%	78%	69%	59%	49%	39%	30%	22%	16%	11%	7%	5%	3%	2%	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°
5099	5034	4884	4654	4345	3952	3473	2966	2450	1955	1506	1125	856	602	394	254	153	95	61	42
100%	99%	96%	91%	85%	77%	68%	58%	48%	38%	30%	22%	17%	12%	8%	5%	3%	2%	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°
5099	5075	4955	4728	4408	4006	3537	3020	2489	1987	1538	1152	834	581	400	266	169	102	64	45
100%	100%	97%	93%	86%	79%	69%	59%	49%	39%	30%	23%	16%	11%	8%	5%	3%	2%	1%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
31.3°	53.3°	65.6°	99.7%	99.2%