

Light efficiency:

44 Lumen/Watt

Light quality:

CRI: 83.6

Color temperature:

2877 K

Output: 1602 lm

Peak: 5268 cd

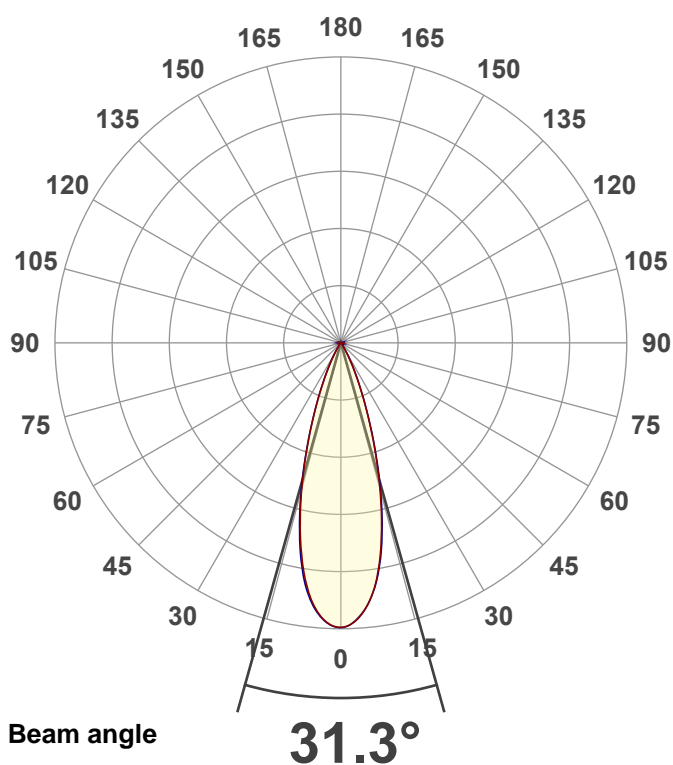
Power: 36.1 W

PF: 0.98



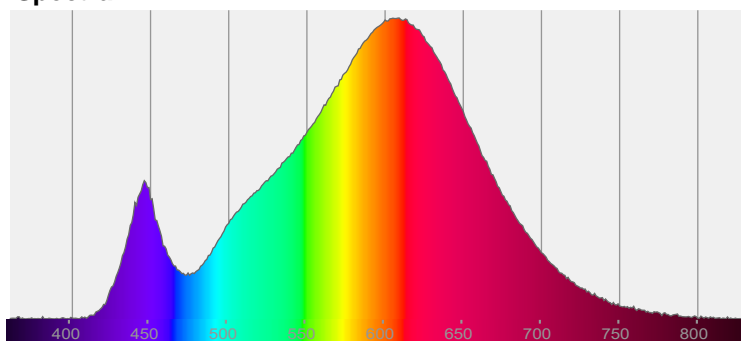
NU3-RA-XTM09-20LM-30K-83-35D-NA-CL-WH-WH

Date and time:
6/6/2022 11:08:21 AM

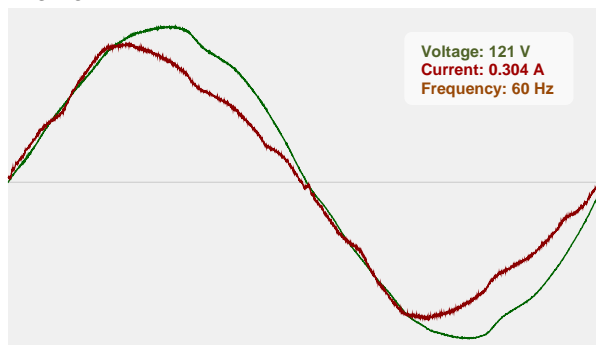


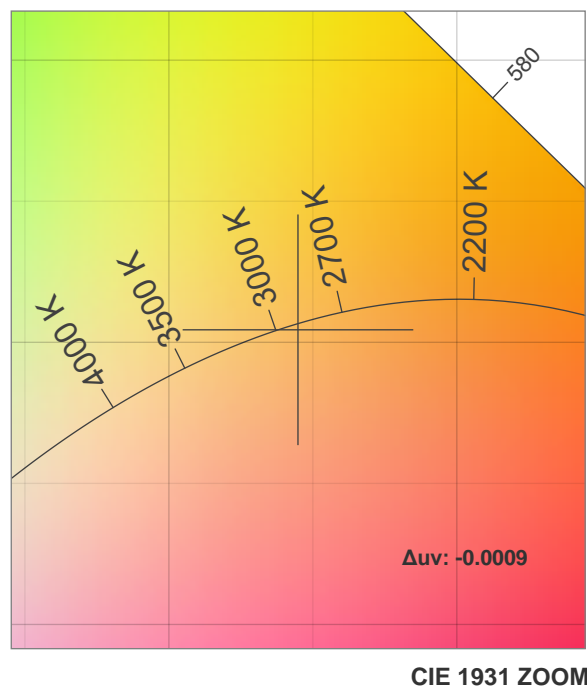
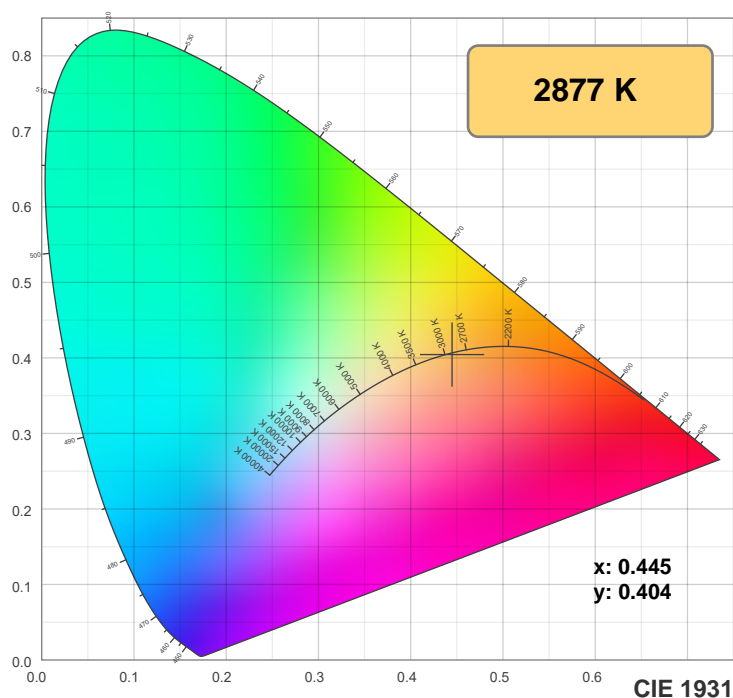
CIE 1931
x: 0.445
y: 0.404

Spectra

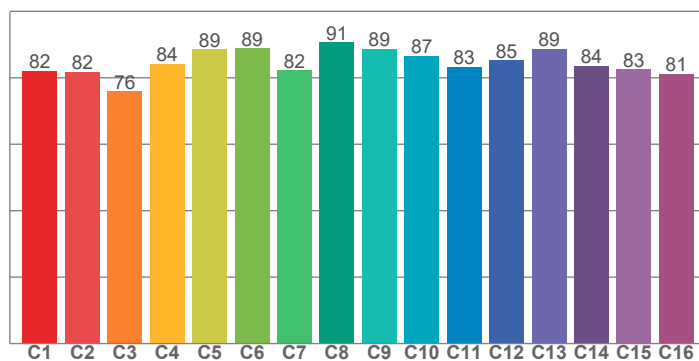


Power

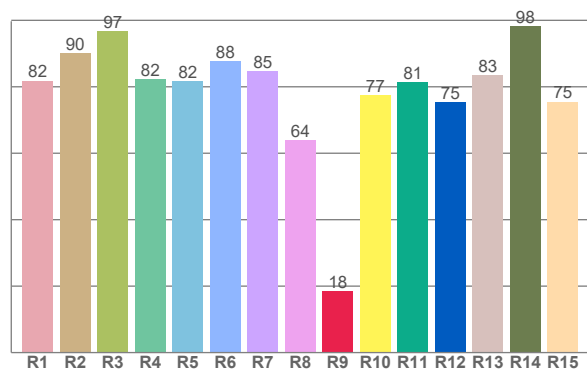




TM30: 84.5



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
81.8	90.1	96.8	82.3	81.7	87.6	84.8	63.8	18.5	77.5	81.3	75.3	83.4	98.2	75.5

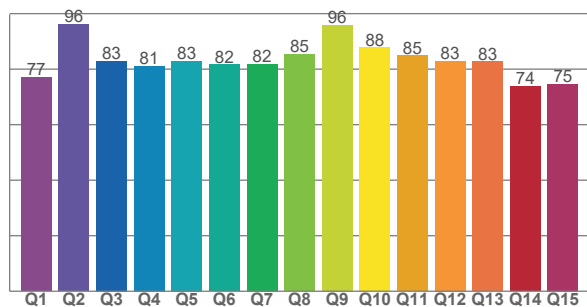
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
82.0	81.8	76.0	84.1	88.5	88.9	82.2	90.6	88.6	86.6	83.3	85.2	88.8	83.5	82.5	81.2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77.1	96.1	82.9	81.2	82.9	81.6	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	18.5	84.5	98.8	82.2	0.445	0.404	0.256	0.348	-0.0009

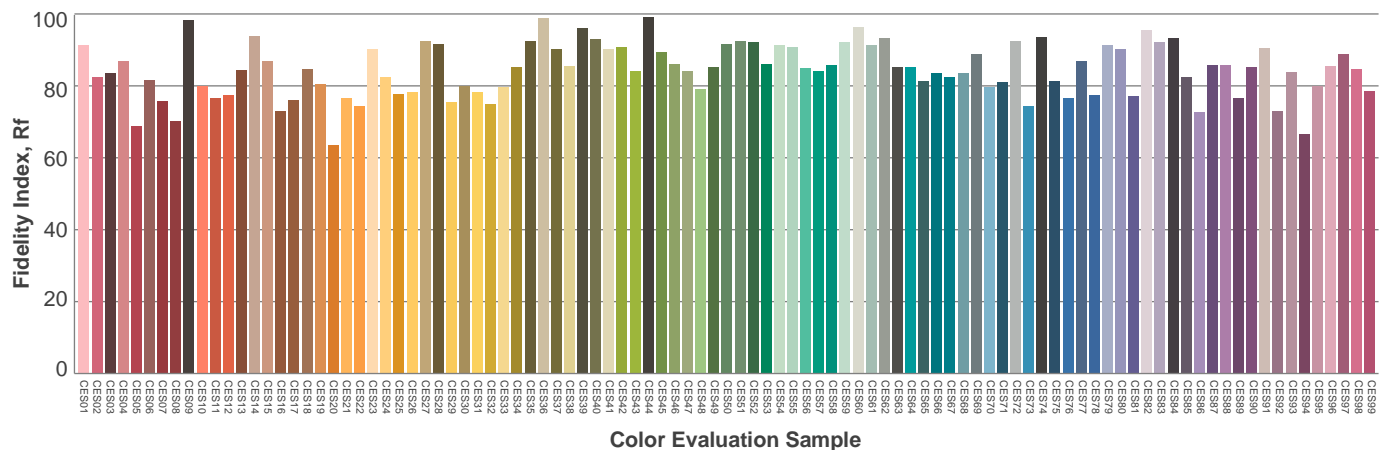
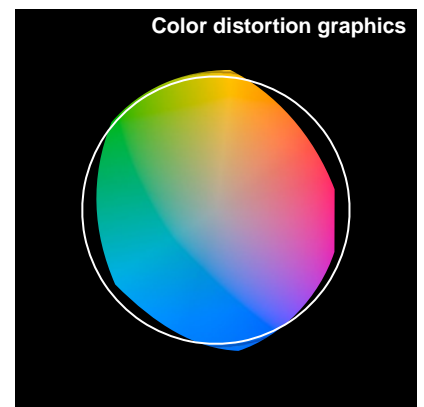
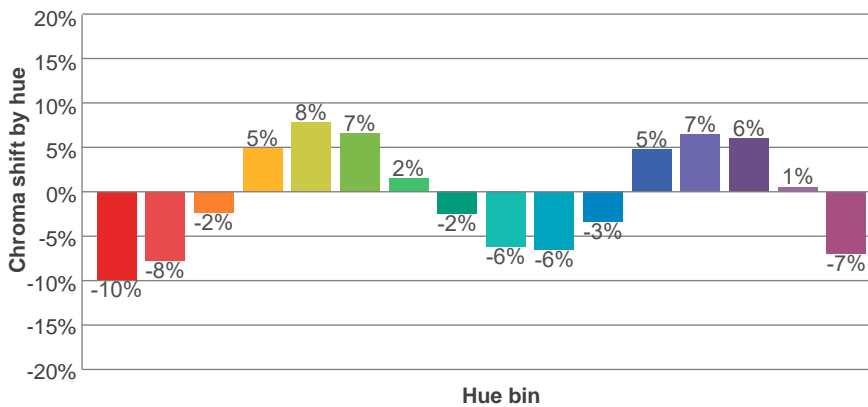
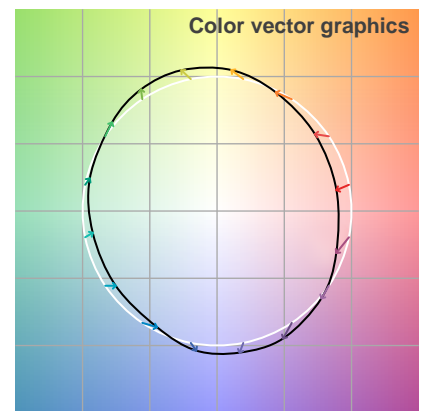
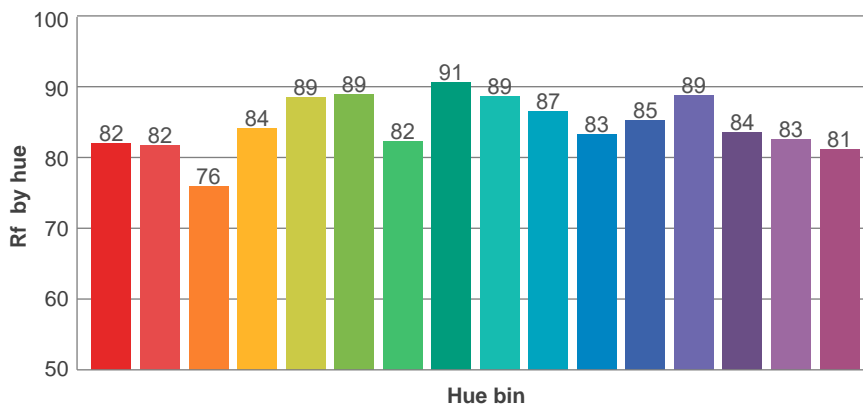
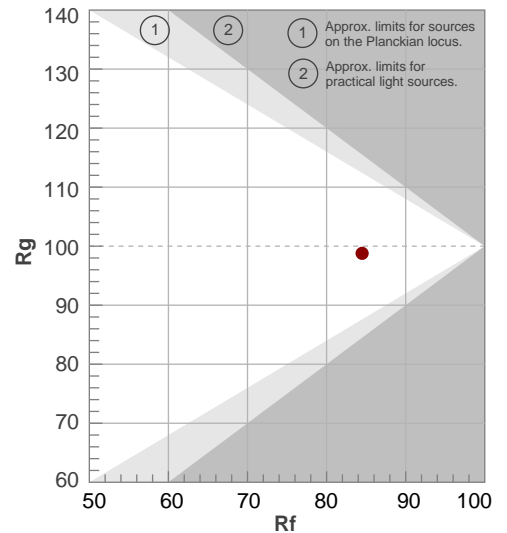
Rf 84.5

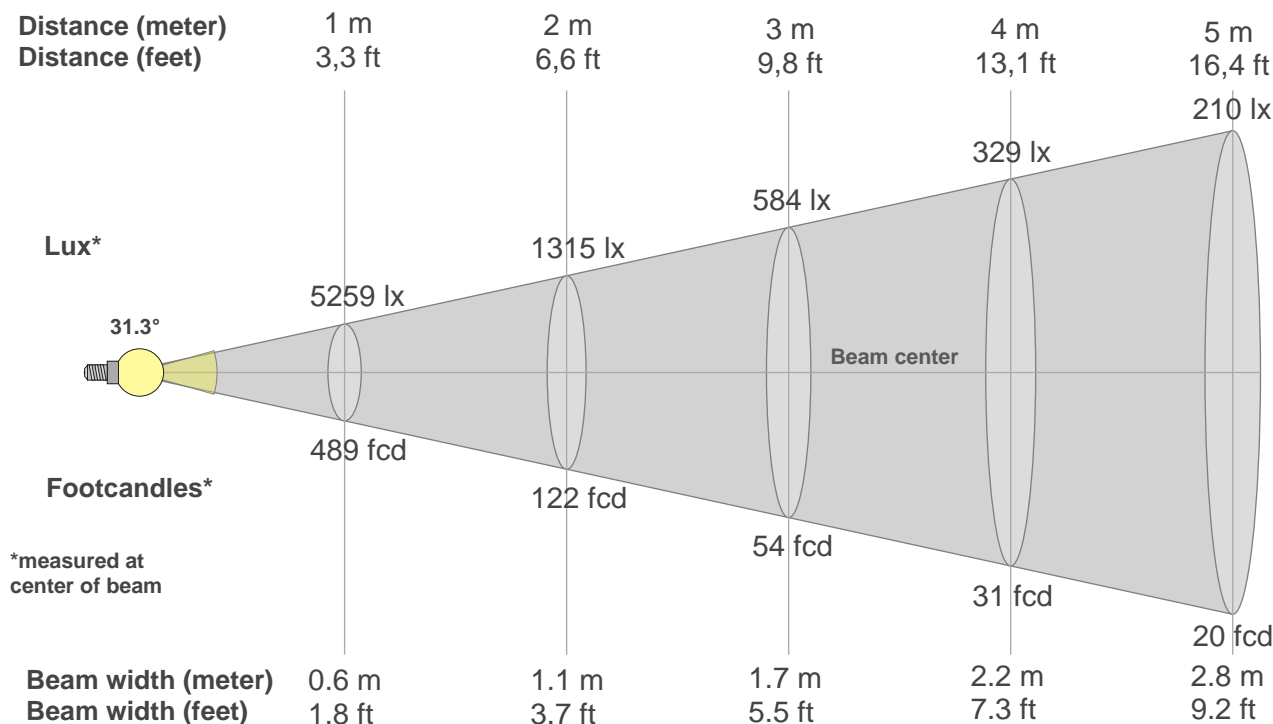
Fidelity index Rf

Rg 98.8

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	7%	-3%
7	82	2%	-11%
8	91	-2%	-5%
9	89	-6%	-2%
10	87	-6%	4%
11	83	-3%	11%
12	85	5%	5%
13	89	7%	-4%
14	84	6%	-12%
15	83	1%	-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
5259lx	1315lx	584lx	329lx	210lx	146lx	107lx	82lx	65lx	53lx	43lx	37lx	31lx	27lx	23lx	21lx	18lx	16lx	15lx	13lx
488.6fc	122.1fc	54.3fcd	30.5fcd	19.5fcd	13.6fcd	10fcd	7.6fcd	6fcd	4.9fcd	4fcd	3.4fcd	2.9fcd	2.5fcd	2.2fcd	1.9fcd	1.7fcd	1.5fcd	1.4fcd	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°
5259	5205	5068	4848	4545	4113	3612	3077	2531	1998	1526	1136	815	559	365	232	135	77	48	36
100%	99%	96%	92%	86%	78%	69%	58%	48%	38%	29%	22%	15%	11%	7%	4%	3%	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°
5259	5205	5064	4854	4543	4142	3660	3123	2566	2029	1550	1145	819	567	373	221	122	67	42	30
100%	99%	96%	92%	86%	79%	70%	59%	49%	39%	29%	22%	16%	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°
5259	5228	5092	4857	4524	4103	3612	3076	2530	2012	1547	1148	821	576	386	246	145	75	49	37
100%	99%	97%	92%	86%	78%	69%	58%	48%	38%	29%	22%	16%	11%	7%	5%	3%	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°
5259	5224	5105	4897	4582	4166	3670	3125	2565	2029	1557	1157	832	577	387	254	158	93	55	42
100%	99%	97%	93%	87%	79%	70%	59%	49%	39%	30%	22%	16%	11%	7%	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°	52.8°	64.3°	99.8%	99.3%