

Light efficiency:

46 Lumen/Watt

Light quality:

CRI: 83.8

Color temperature:

2899 K

Output: 1646 lm

Peak: 2271 cd

Power: 36.2 W

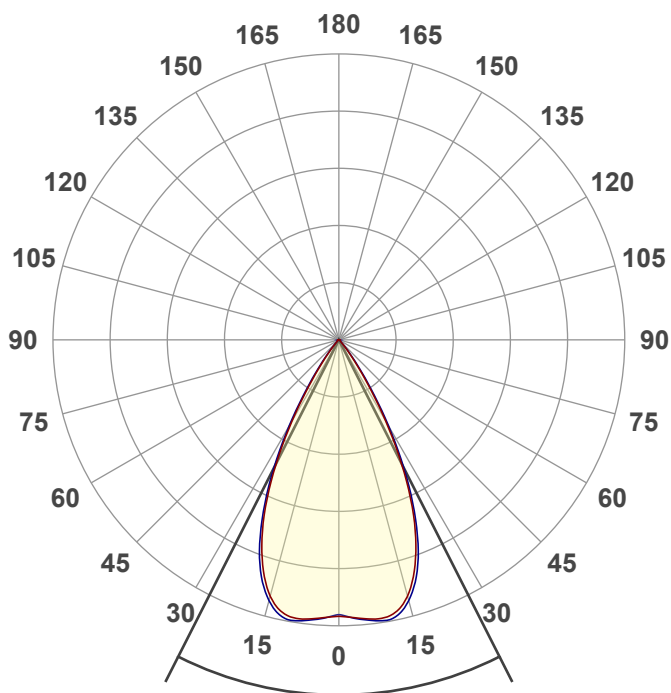
PF: 0.98



NU3-RA-XTM09-20LM-30K-83-55D-NA-NL-WH-WH

Date and time:

6/2/2022 2:51:12 PM



Beam angle

53.8°

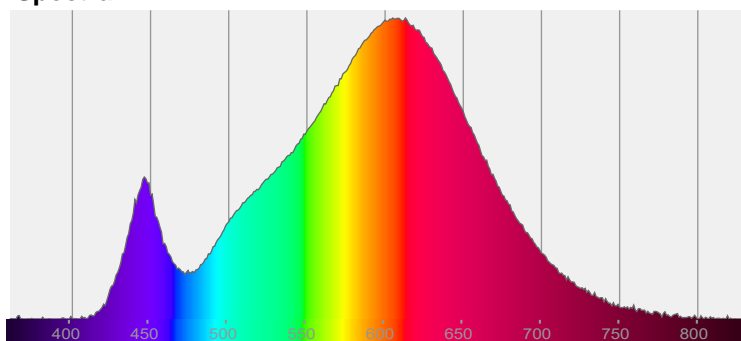


CIE 1931

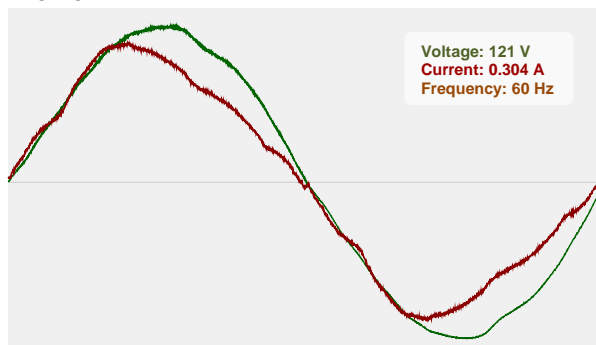
x: 0.443

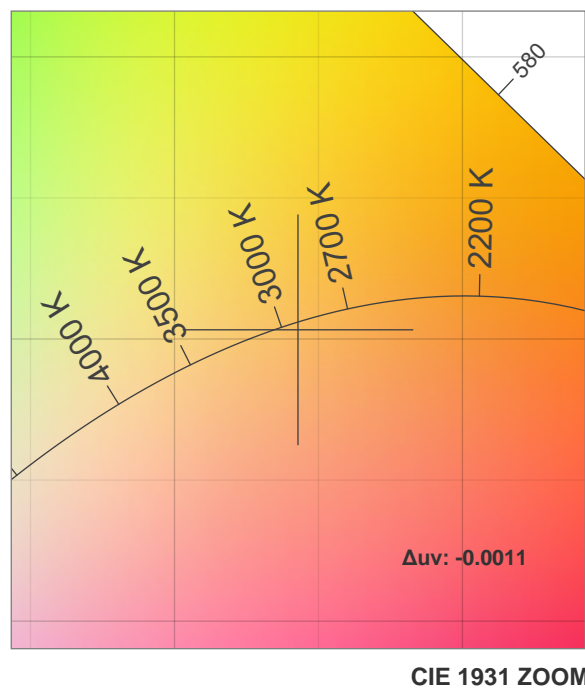
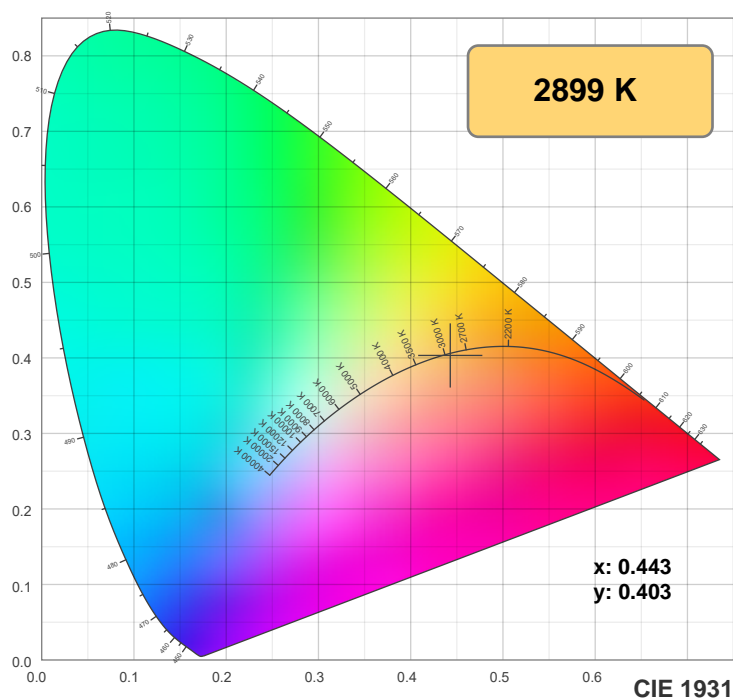
y: 0.403

Spectra

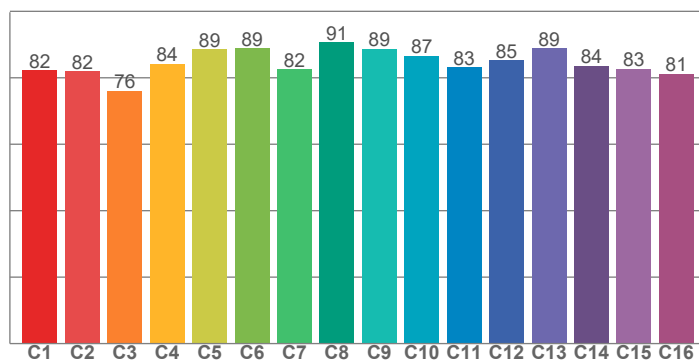


Power

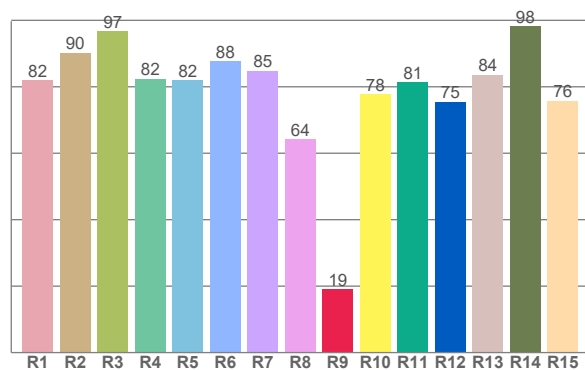




TM30: 84.6



CRI: 83.8 (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
82.0	90.2	96.7	82.4	81.9	87.8	84.8	64.1	19.1	77.7	81.5	75.5	83.6	98.1	75.8

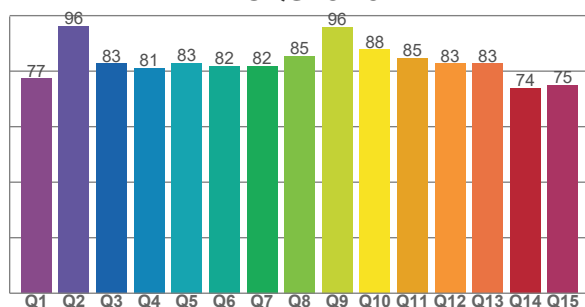
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
82.2	81.9	76.0	84.2	88.6	88.9	82.5	90.7	88.8	86.6	83.2	85.2	88.8	83.6	82.7	81.2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77.4	96.3	82.7	81.1	83.0	81.8	81.9	85.4	95.9	87.8	84.8	82.8	82.7	74.0	74.9

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
2899 K	83.8	19.1	84.6	98.9	82.3	0.443	0.403	0.255	0.348	-0.0011

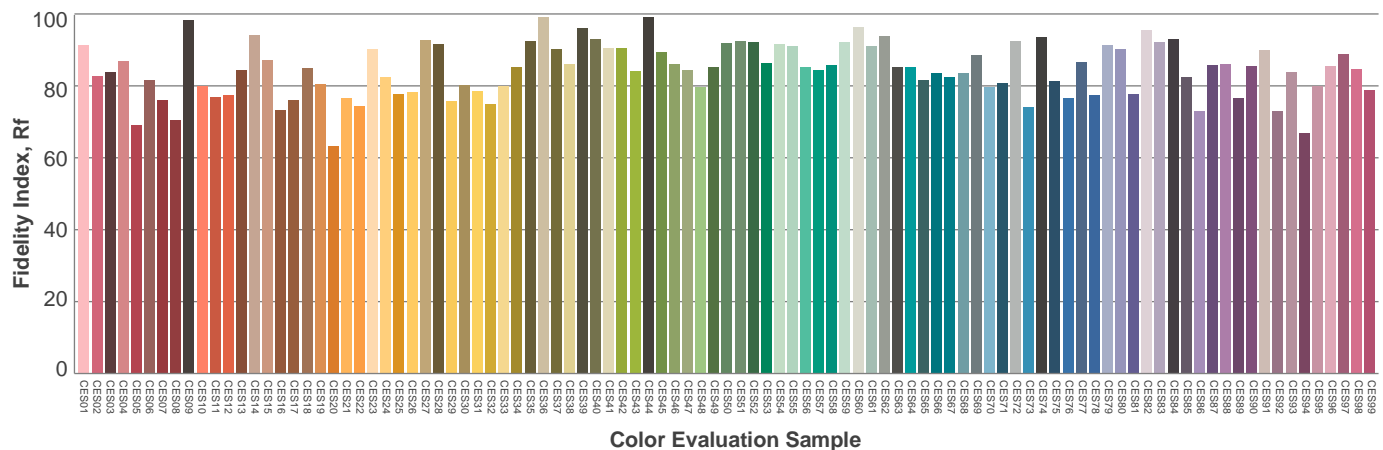
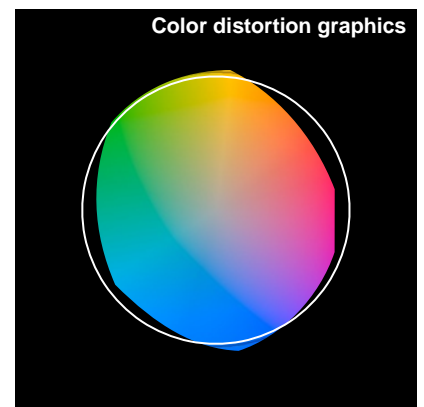
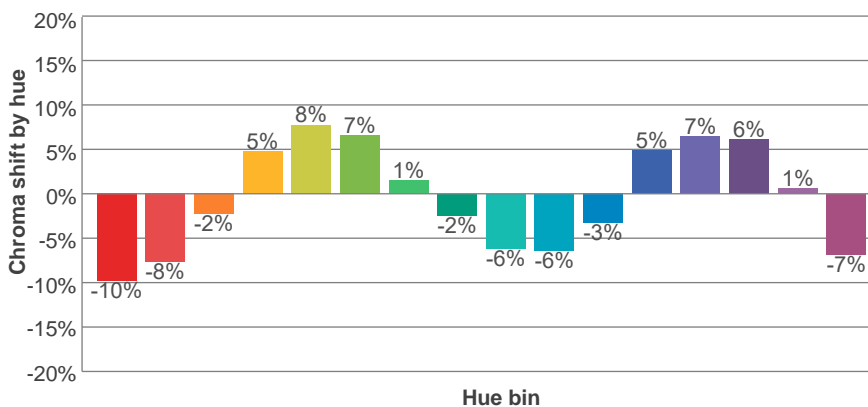
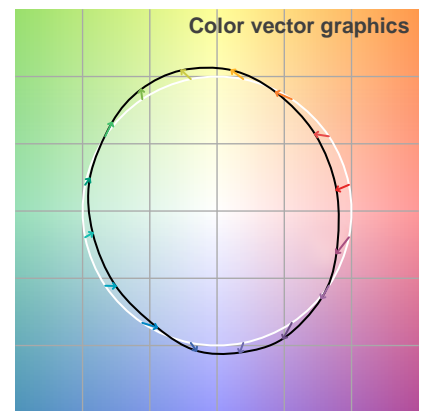
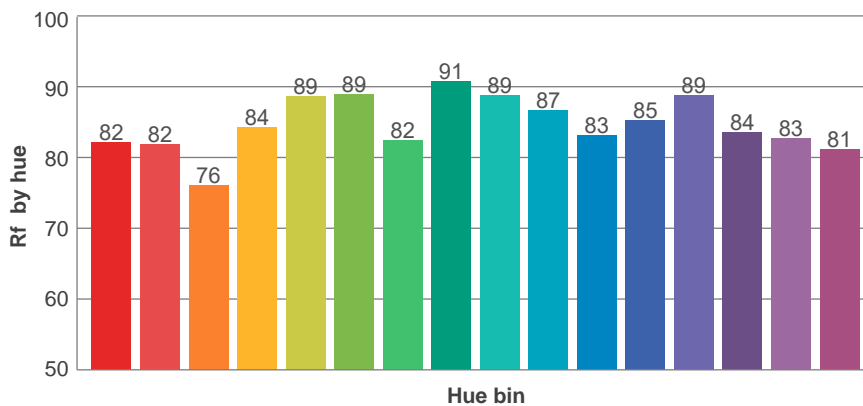
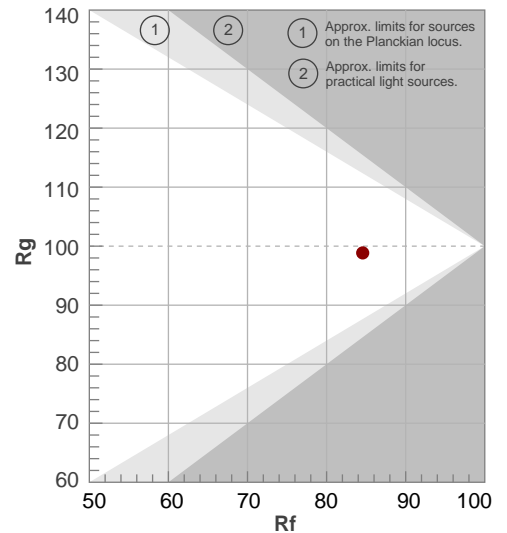
Rf 84.6

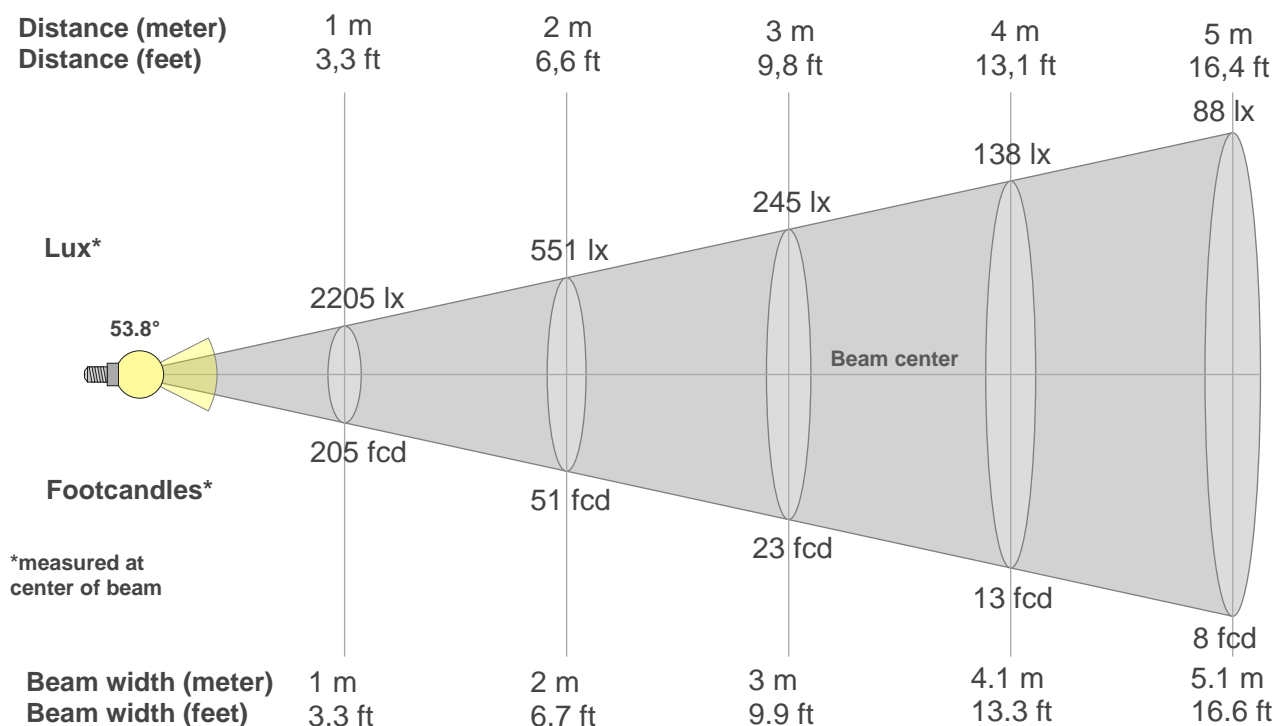
Fidelity index Rf

Rg 98.9

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	7%	-3%
7	82	1%	-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
2205lx	551lx	245lx	138lx	88lx	61lx	45lx	34lx	27lx	22lx	18lx	15lx	13lx	11lx	10lx	9lx	8lx	7lx	6lx	6lx
204.8fcd	51.2fcd	22.8fcd	12.8fcd	8.2fcd	5.7fcd	4.2fcd	3.2fcd	2.5fcd	2fcd	1.7fcd	1.4fcd	1.2fcd	1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	0.6fcd	0.5fcd

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°
2205	2218	2230	2242	2252	2244	2214	2156	2068	1948	1796	1622	1424	1205	975	748	540	365	231	140
100%	101%	101%	102%	102%	102%	100%	98%	94%	88%	81%	74%	65%	55%	44%	34%	24%	17%	10%	6%

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°
2205	2216	2236	2252	2268	2271	2246	2192	2109	1998	1850	1670	1468	1251	1021	798	591	412	270	168
100%	101%	101%	102%	103%	103%	102%	99%	96%	91%	84%	76%	67%	57%	46%	36%	27%	19%	12%	8%

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°
2205	2218	2230	2242	2252	2244	2214	2156	2068	1948	1796	1622	1424	1205	975	748	540	365	231	140
100%	101%	101%	102%	102%	102%	100%	98%	94%	88%	81%	74%	65%	55%	44%	34%	24%	17%	10%	6%

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°
2205	2216	2236	2252	2268	2271	2246	2192	2109	1998	1850	1670	1468	1251	1021	798	591	412	270	168
100%	101%	101%	102%	103%	103%	102%	99%	96%	91%	84%	76%	67%	57%	46%	36%	27%	19%	12%	8%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
53.8°	72.8°	83.5°	99.6%	98.9%