

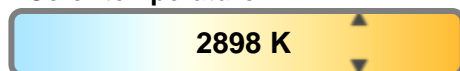
Light efficiency:



Light quality:



Color temperature:



Output: 1105 lm

Peak: 5905 cd

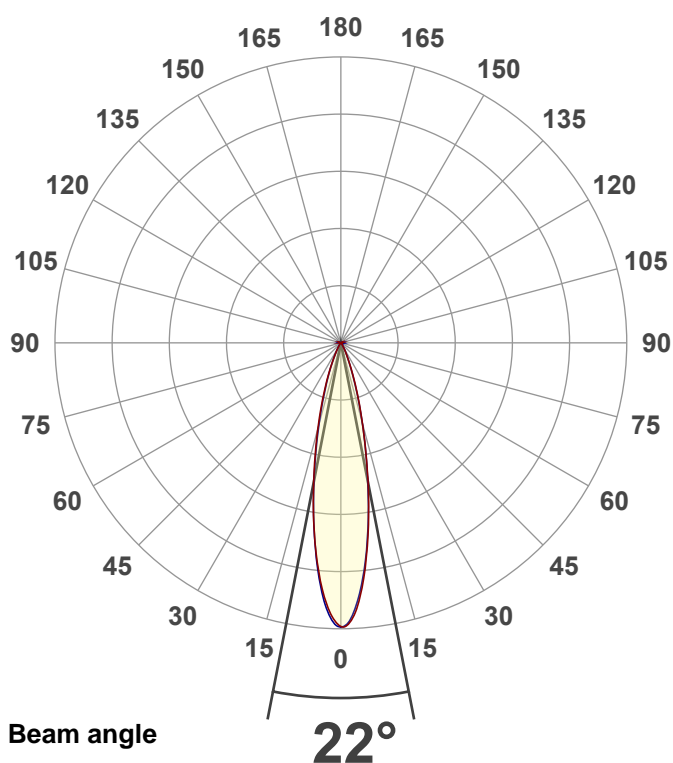
Power: 35.7 W

PF: 0.98



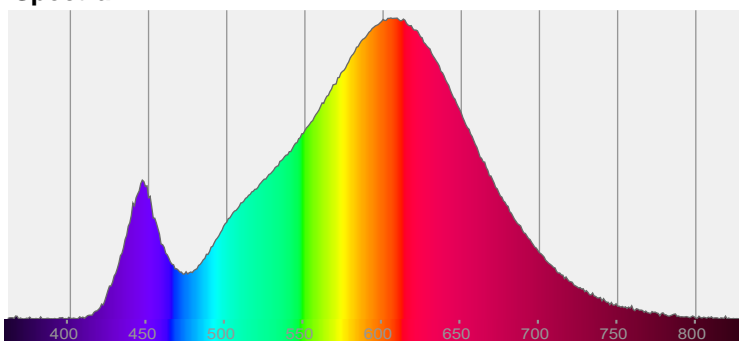
NU3-RA-XTM09-20LM-30K-83-25D-HCL-NL-WH-WH

Date and time:
6/7/2022 10:03:35 AM

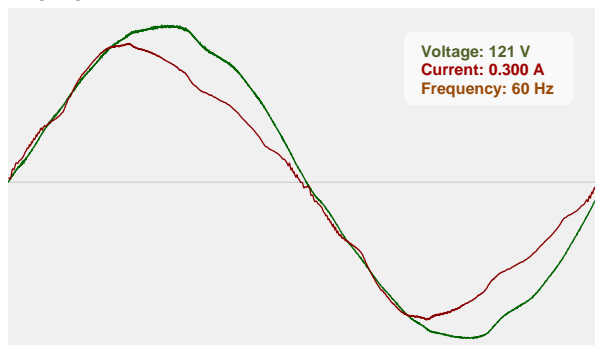


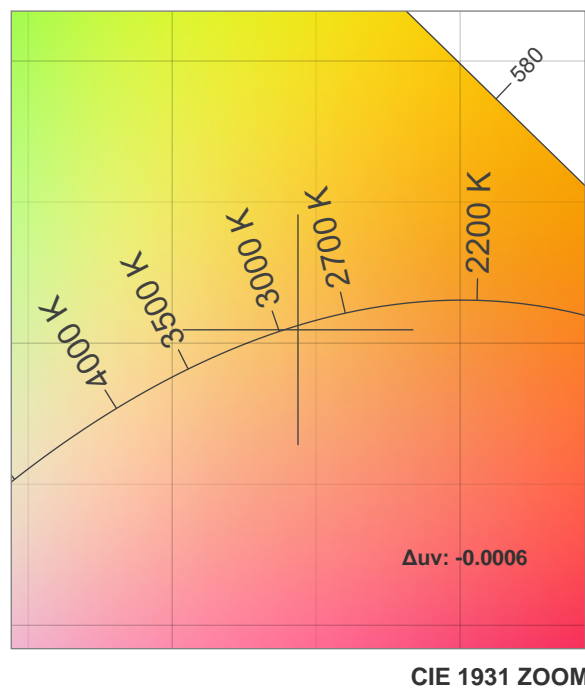
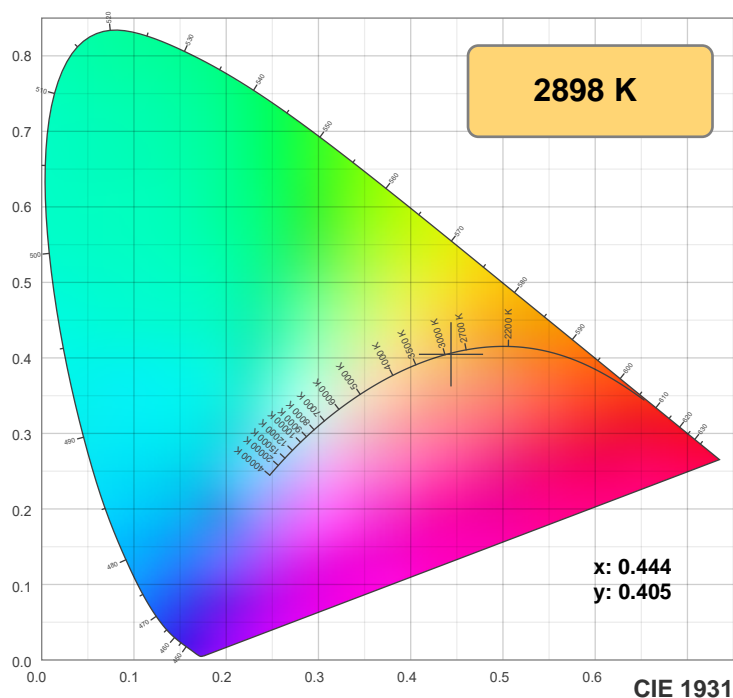
CIE 1931
x: 0.444
y: 0.405

Spectra

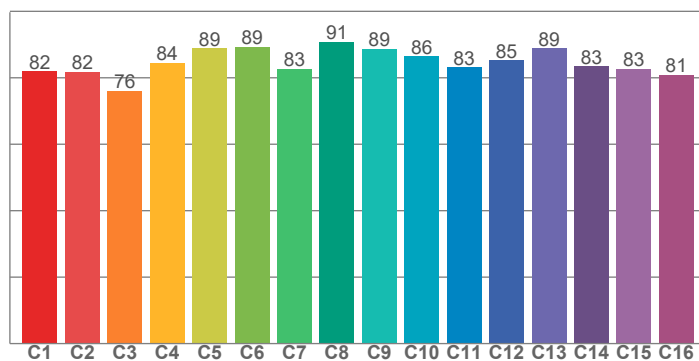


Power

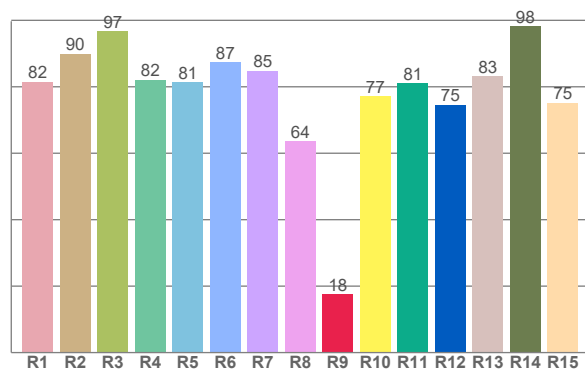




TM30: 84.5



CRI: 83.4 (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
81.5	89.9	96.7	82.1	81.4	87.3	84.8	63.6	17.6	77.1	81.0	74.6	83.2	98.1	75.2

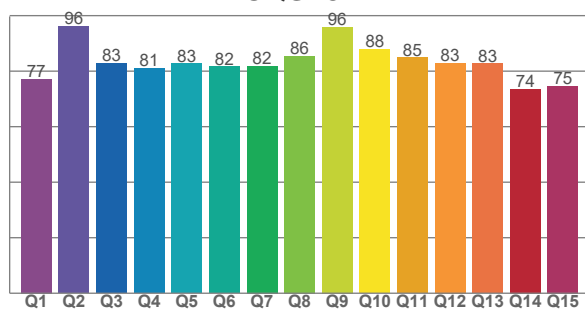
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
81.9	81.7	76.1	84.5	88.9	89.2	82.6	90.8	88.7	86.4	83.1	85.2	88.9	83.5	82.6	81.0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77.2	96.2	82.8	81.0	82.8	81.7	81.9	85.5	95.9	87.9	84.9	82.9	82.7	73.5	74.6

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
2898 K	83.4	17.6	84.5	98.5	82.2	0.444	0.405	0.255	0.348	-0.0006

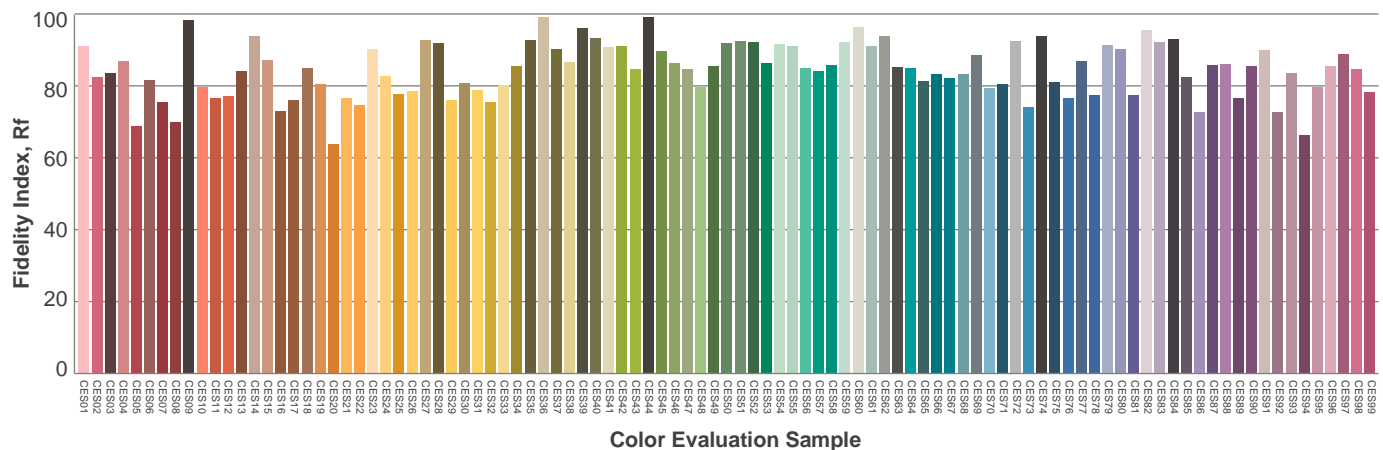
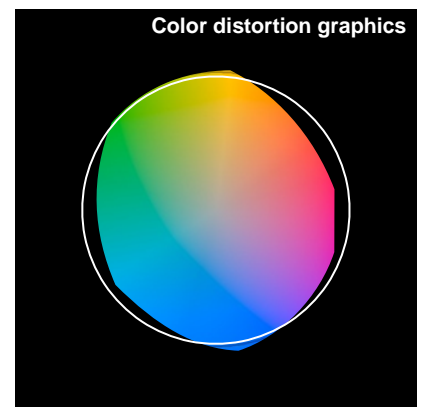
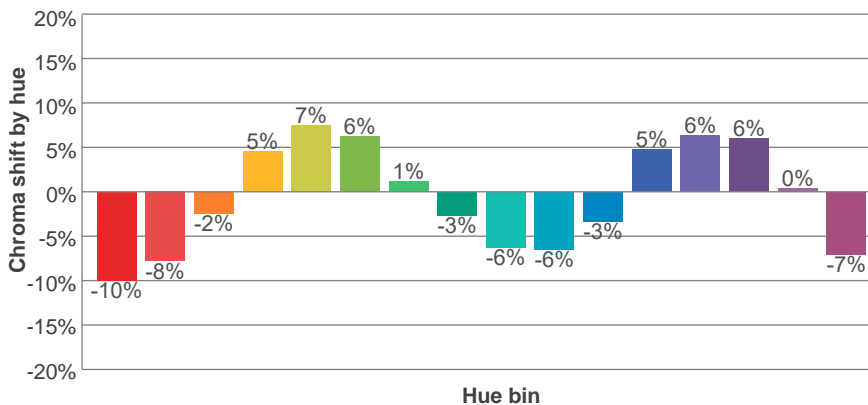
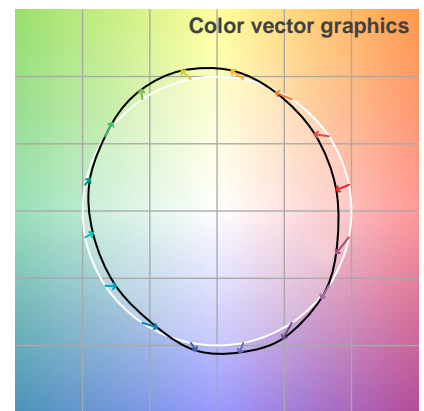
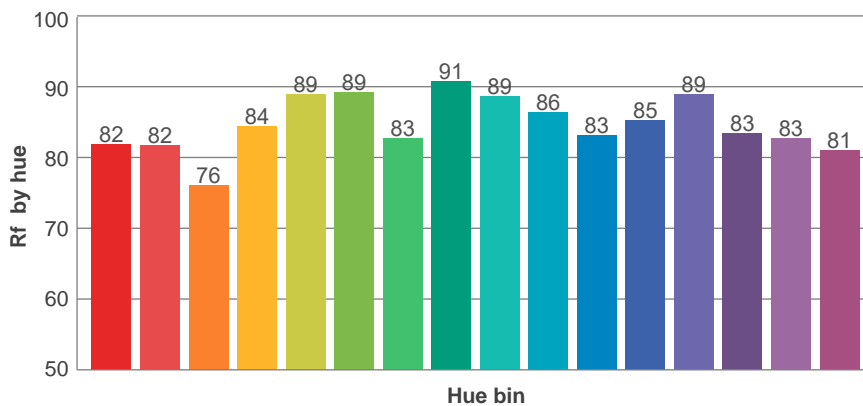
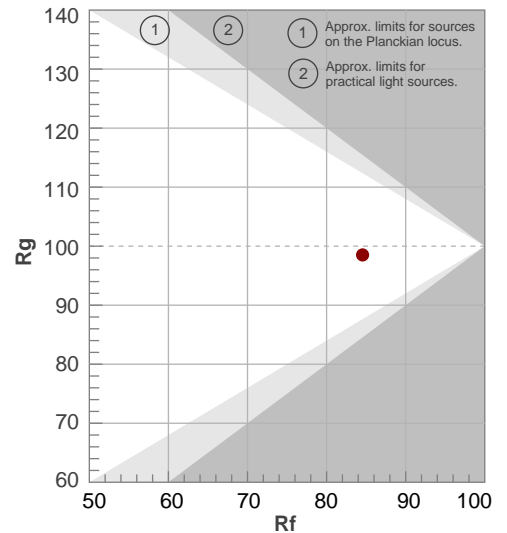
Rf 84.5

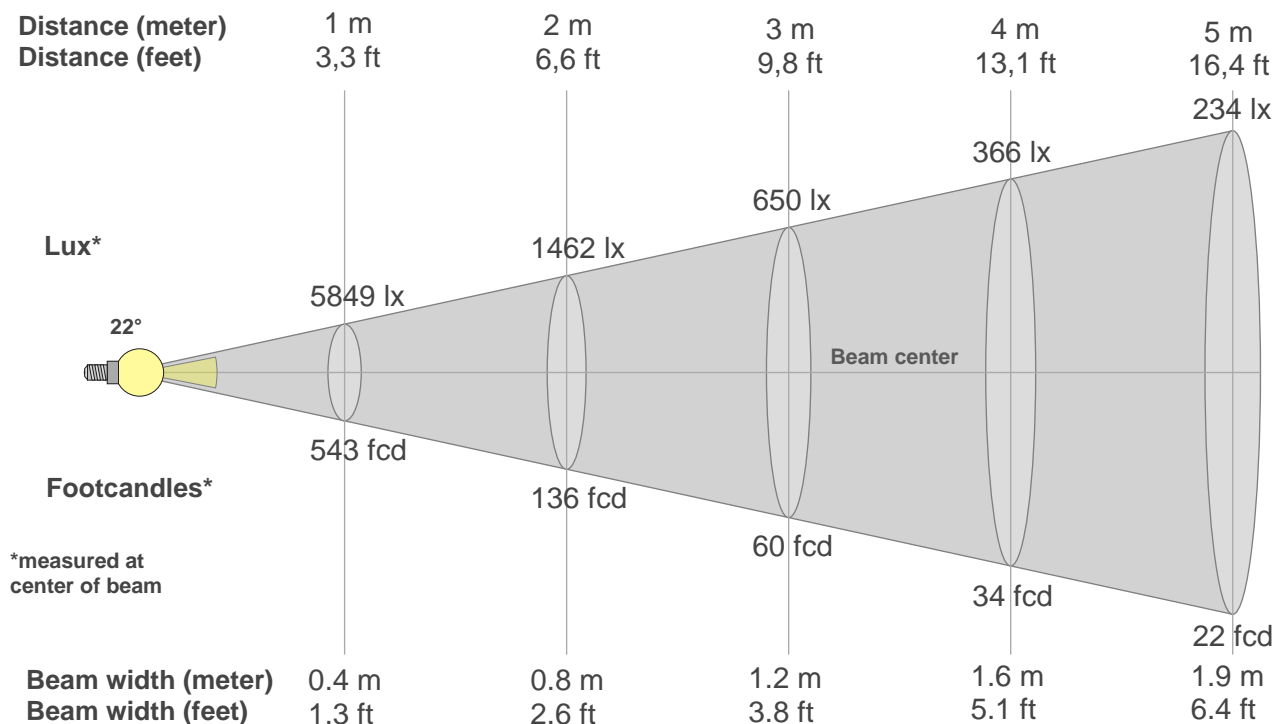
Fidelity index Rf

Rg 98.5

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	7%	6%
6	89	6%	-3%
7	83	1%	-11%
8	91	-3%	-5%
9	89	-6%	-2%
10	86	-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
5849lx	1462lx	650lx	366lx	234lx	162lx	119lx	91lx	72lx	58lx	48lx	41lx	35lx	30lx	26lx	23lx	20lx	18lx	16lx	15lx
543.4fcd	135.8fcd	60.4fcd	34fcd	21.7fcd	15.1fcd	11.1fcd	8.5fcd	6.7fcd	5.4fcd	4.5fcd	3.8fcd	3.2fcd	2.8fcd	2.4fcd	2.1fcd	1.9fcd	1.7fcd	1.5fcd	1.4fcd

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°
5849	5737	5350	4755	4050	3325	2633	2020	1510	1102	790	555	381	260	182	126	88	61	42	29
100%	98%	91%	81%	69%	57%	45%	35%	26%	19%	14%	9%	7%	4%	3%	2%	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°
5849	5713	5292	4683	3999	3287	2601	1989	1478	1068	749	514	354	250	178	120	78	50	33	24
100%	98%	90%	80%	68%	56%	44%	34%	25%	18%	13%	9%	6%	4%	3%	2%	1%	1%	1%	0%

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°
5849	5652	5203	4617	3970	3303	2657	2102	1629	1225	895	633	425	285	186	120	78	51	35	23
100%	97%	89%	79%	68%	56%	45%	36%	28%	21%	15%	11%	7%	5%	3%	2%	1%	1%	1%	0%

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°
5849	5693	5278	4672	3971	3273	2615	2028	1530	1122	832	595	405	264	173	121	87	63	46	32
100%	97%	90%	80%	68%	56%	45%	35%	26%	19%	14%	10%	7%	5%	3%	2%	1%	1%	1%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
22°	43.5°	57.8°	99.8%	99.5%