

Light efficiency:

40 Lumen/Watt

Light quality:

CRI: 83.4

Color temperature:

2890 K

Output: 1447 lm

Peak: 5117 cd

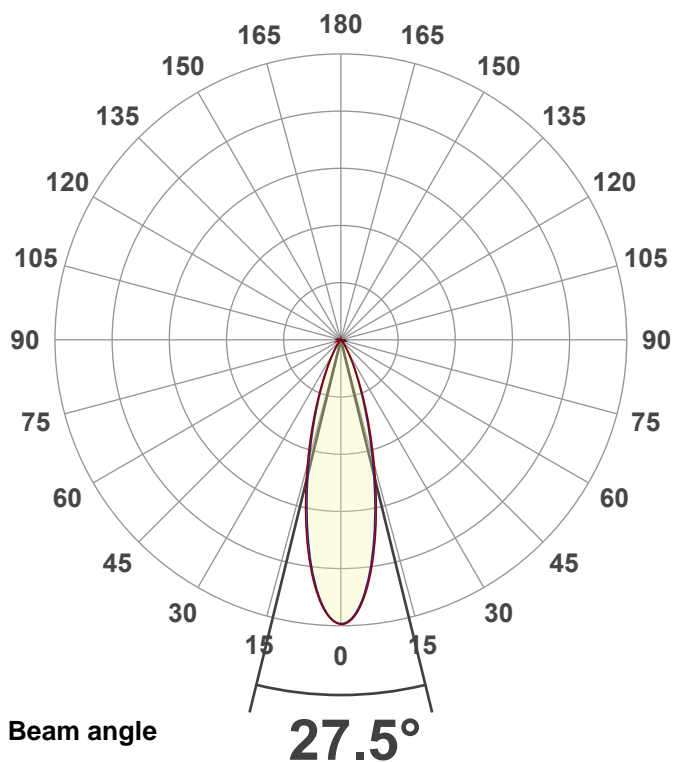
Power: 36.1 W

PF: 0.98



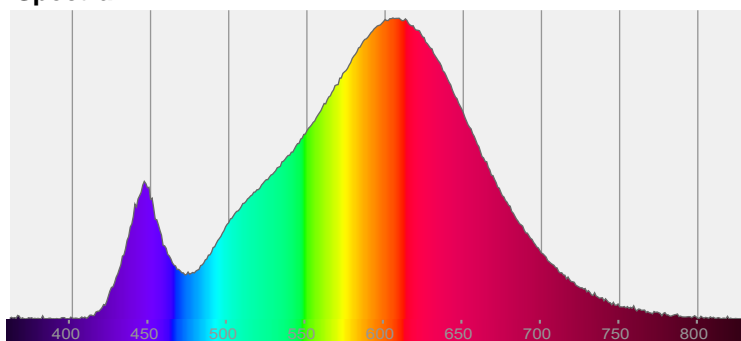
NU3-RA-XTM09-20LM-30K-83-25D-NA-
HET-WH-WH

Date and time:
6/3/2022 10:43:57 AM

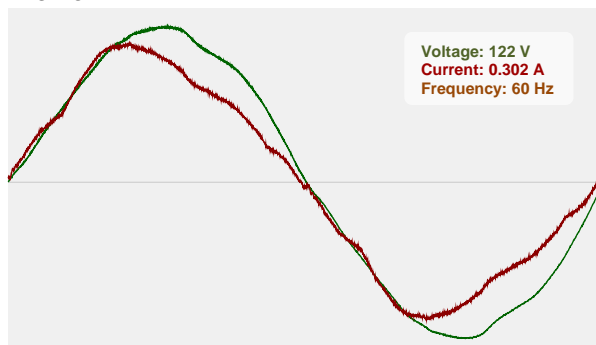


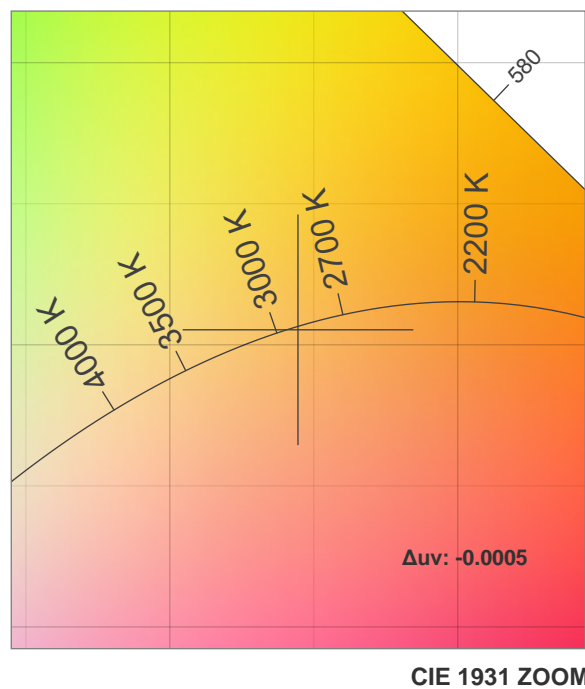
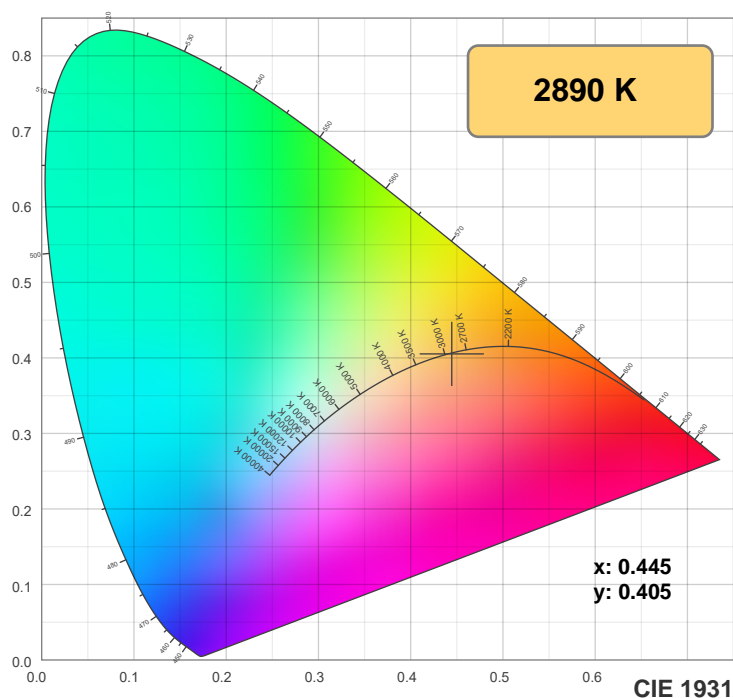
CIE 1931
x: 0.445
y: 0.405

Spectra

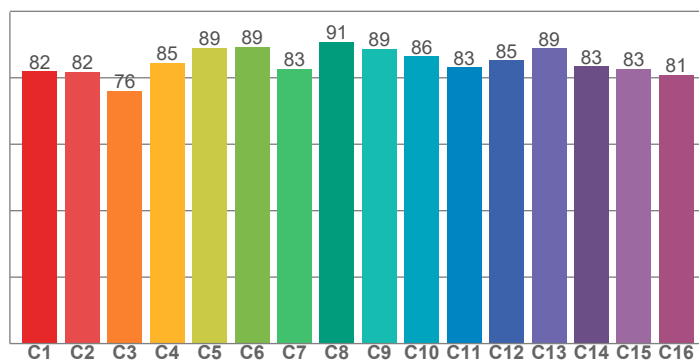


Power

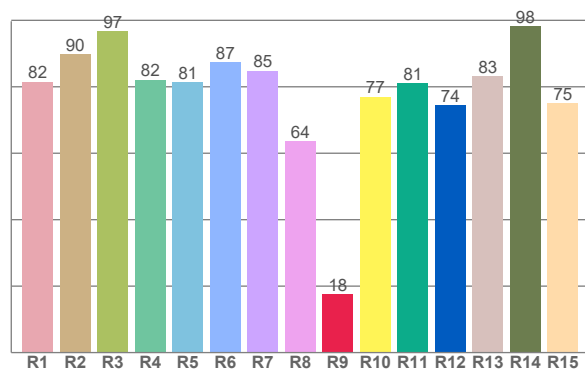




TM30: 84.6



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	77.0	81.0	74.4	83.1	98.1	75.1

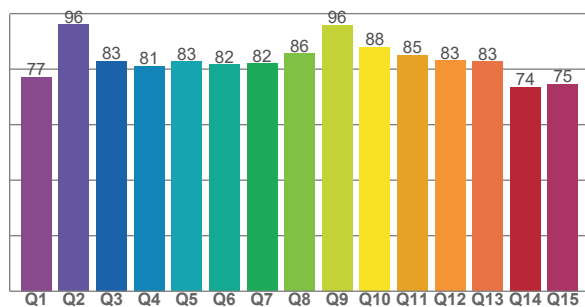
TM30 C values, 16 binned values out of total of 99 C values

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	89.3	82.6	90.8	88.7	86.4	83.1	85.3	88.9	83.4	82.6	81.0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77.2	96.1	82.9	81.1	82.8	81.7	82.0	85.6	95.9	87.9	85.0	83.0	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
2890 K	83.4	17.6	84.6	98.5	82.2	0.445	0.405	0.255	0.349	-0.0005

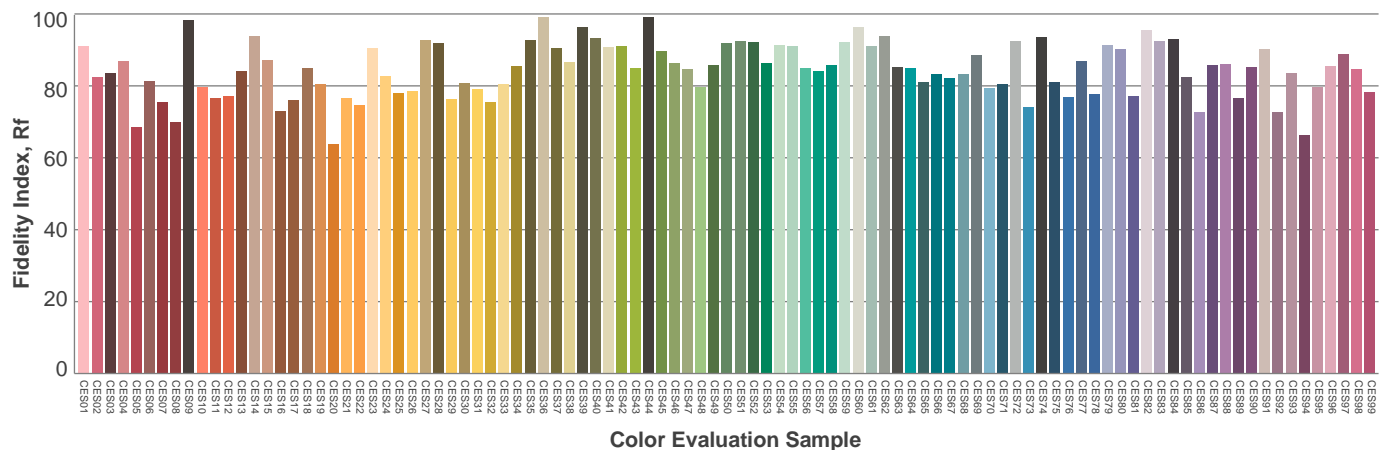
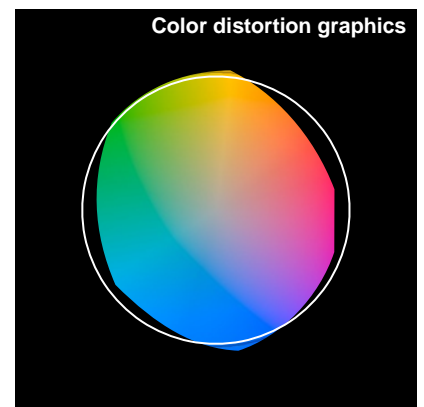
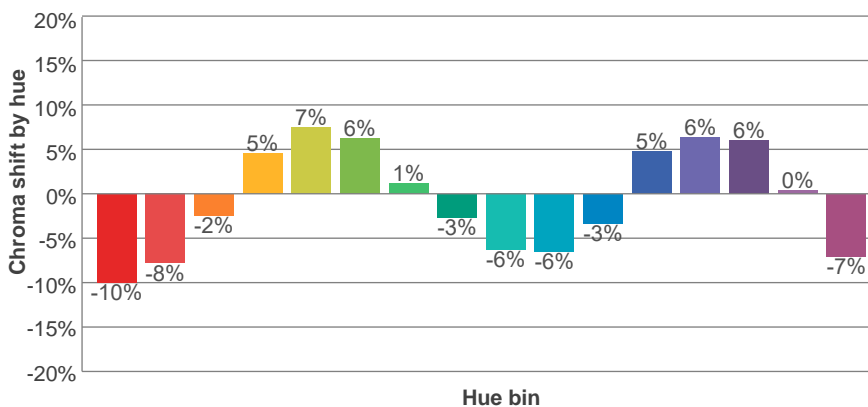
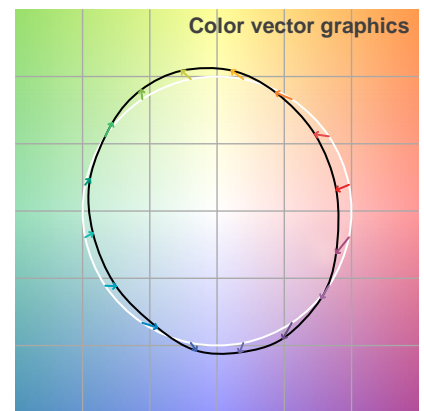
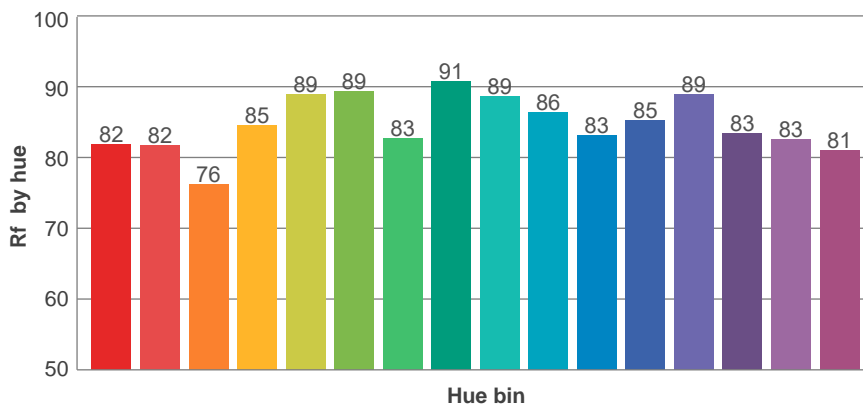
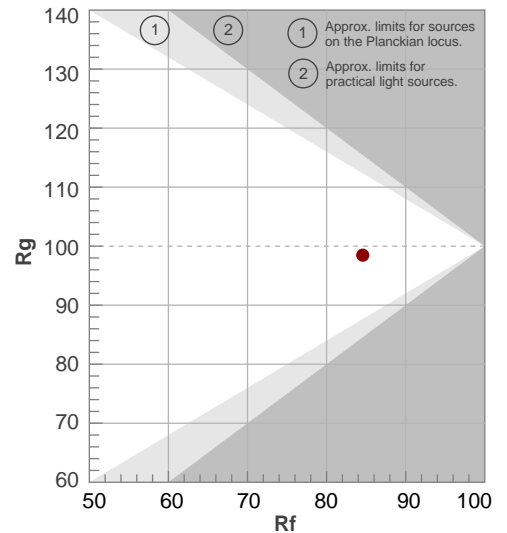
Rf 84.6

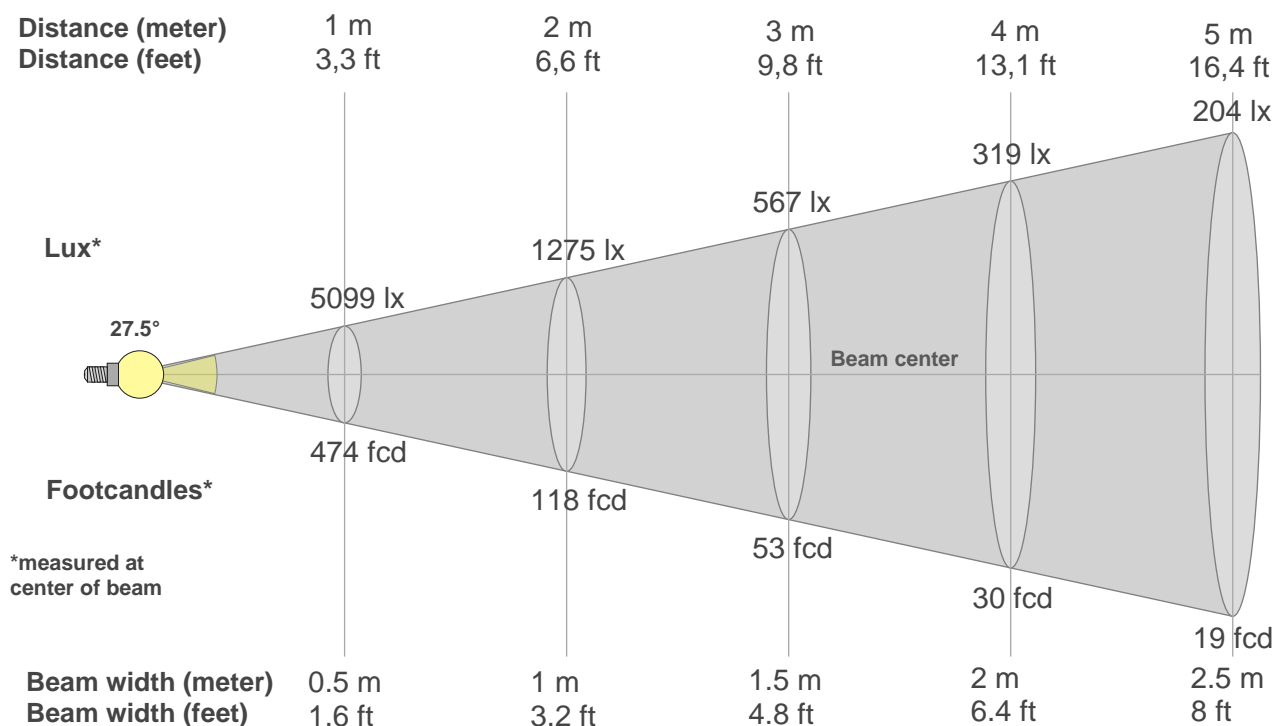
Fidelity index Rf

Rg 98.5

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	82	-10%	-2%
2	82	-8%	7%
3	76	-2%	13%
4	85	5%	10%
5	89	7%	5%
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
5099lx	1275lx	567lx	319lx	204lx	142lx	104lx	80lx	63lx	51lx	42lx	35lx	30lx	26lx	23lx	20lx	18lx	16lx	14lx	13lx
473.8fcd	118.4fcd	52.6fcd	29.6fcd	19fcd	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	5031	4823	4494	4071	3578	3067	2566	2094	1668	1303	1002	761	569	420	307	223	162	120	89
100%	99%	95%	88%	80%	70%	60%	50%	41%	33%	26%	20%	15%	11%	8%	6%	4%	3%	2%	2%

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	5025	4786	4427	3980	3475	2945	2426	1956	1542	1192	906	677	504	374	275	201	147	107	80
100%	99%	94%	87%	78%	68%	58%	48%	38%	30%	23%	18%	13%	10%	7%	5%	4%	3%	2%	2%

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	5023	4810	4458	4031	3555	3058	2566	2103	1694	1339	1036	785	583	424	311	225	163	117	84
100%	99%	94%	87%	79%	70%	60%	50%	41%	33%	26%	20%	15%	11%	8%	6%	4%	3%	2%	2%

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	4997	4754	4396	3953	3453	2931	2431	1973	1568	1219	927	692	512	371	266	192	138	99	74
100%	98%	93%	86%	78%	68%	57%	48%	39%	31%	24%	18%	14%	10%	7%	5%	4%	3%	2%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
27.5°	52.7°	70.3°	99.6%	98.5%