

Light efficiency:



Light quality:



Color temperature:



Output: 1138 lm

Peak: 9251 cd

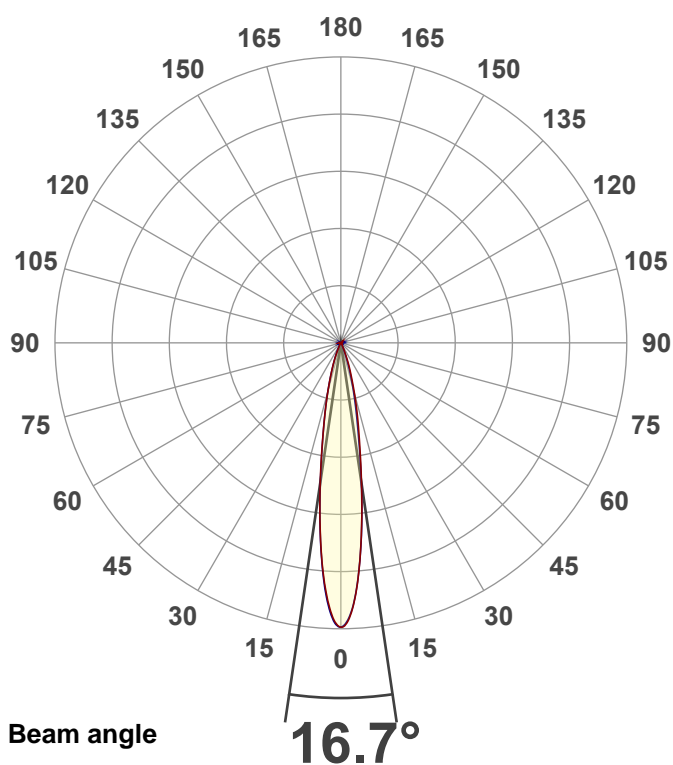
Power: 35.8 W

PF: 0.98



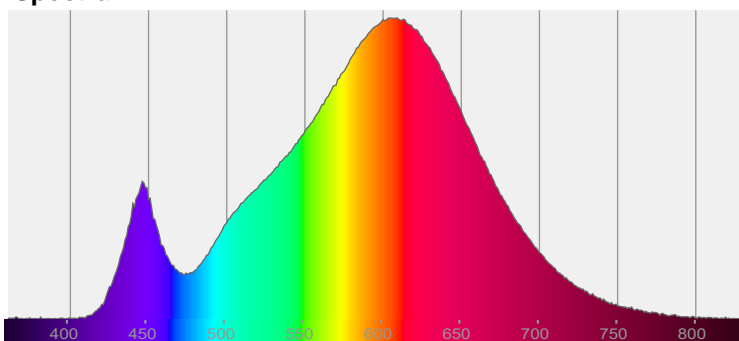
NU3-RA-XTM09-20LM-30K-83-15D-HCL-
NL-WH-WH

Date and time:
6/7/2022 9:51:51 AM

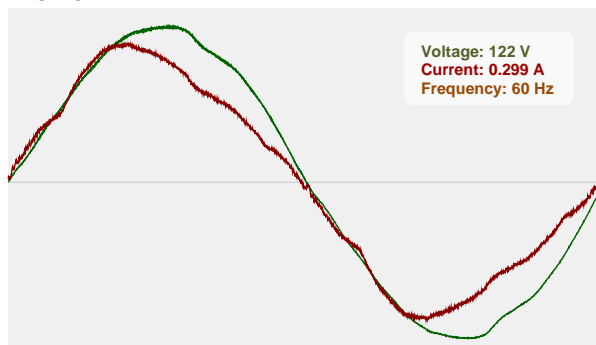


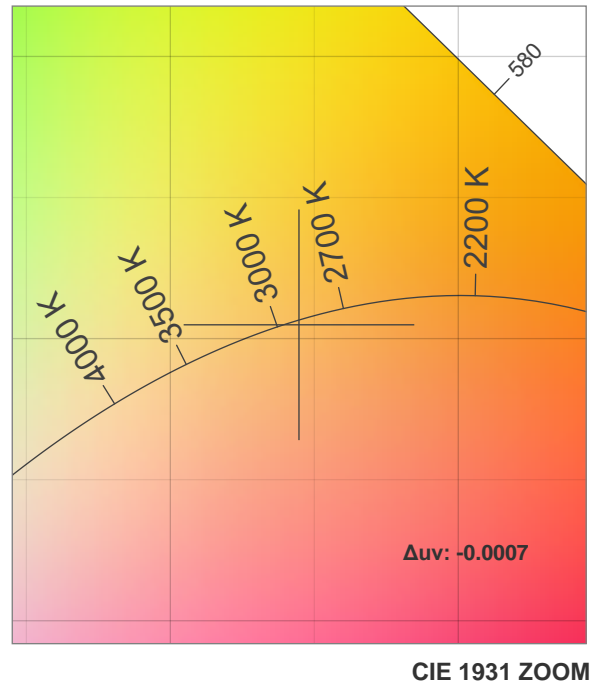
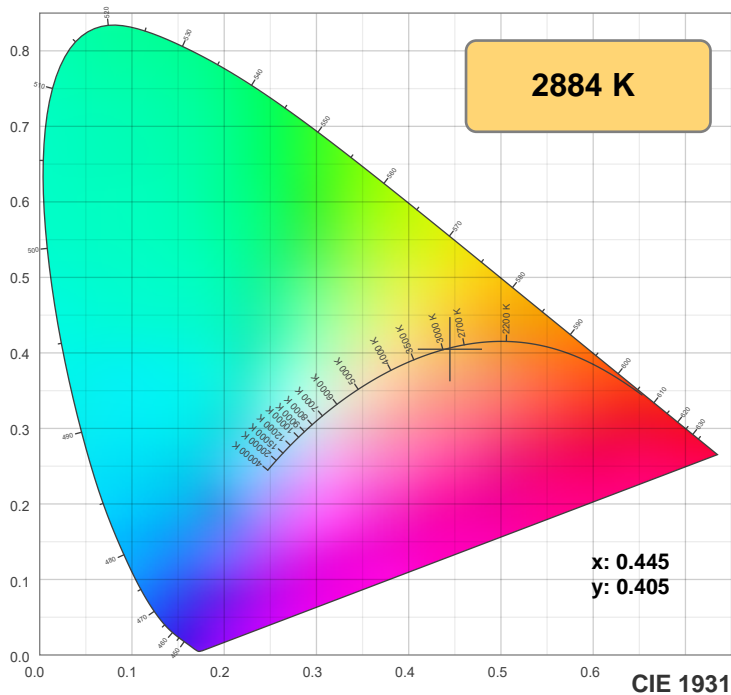
CIE 1931
x: 0.445
y: 0.405

Spectra

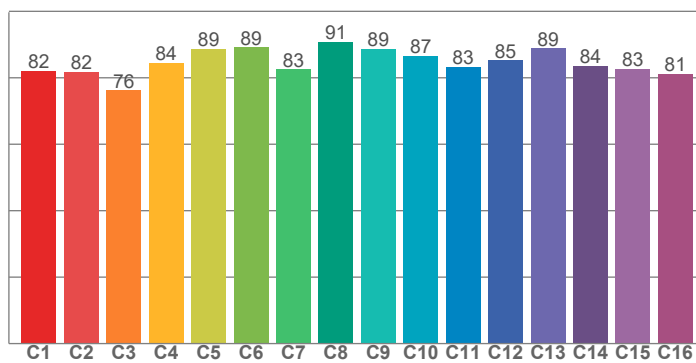


Power

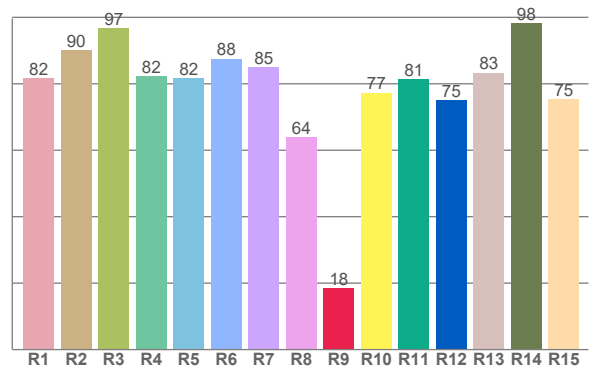




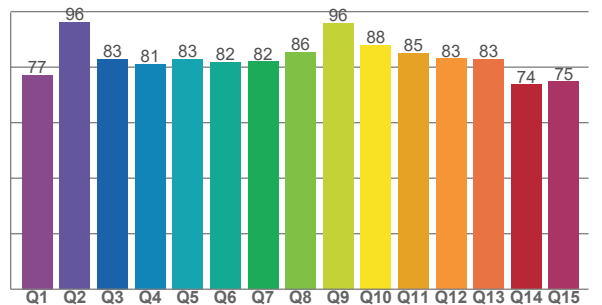
TM30: 84.6



CRI: 83.6 (R1-R8)



CQS: 82.3



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	90.0	96.8	82.3	81.6	87.5	84.9	63.9	18.4	77.3	81.3	75.0	83.4	98.1	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	76.2	84.4	88.8	89.1	82.5	90.8	88.7	86.6	83.3	85.3	88.9	83.5	82.7	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	81.2	82.9	81.7	82.0	85.5	95.9	87.9	85.0	83.1	82.8	73.8	74.7

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
2884 K	83.6	18.4	84.6	98.6	82.3	0.445	0.405	0.255	0.349	-0.0007

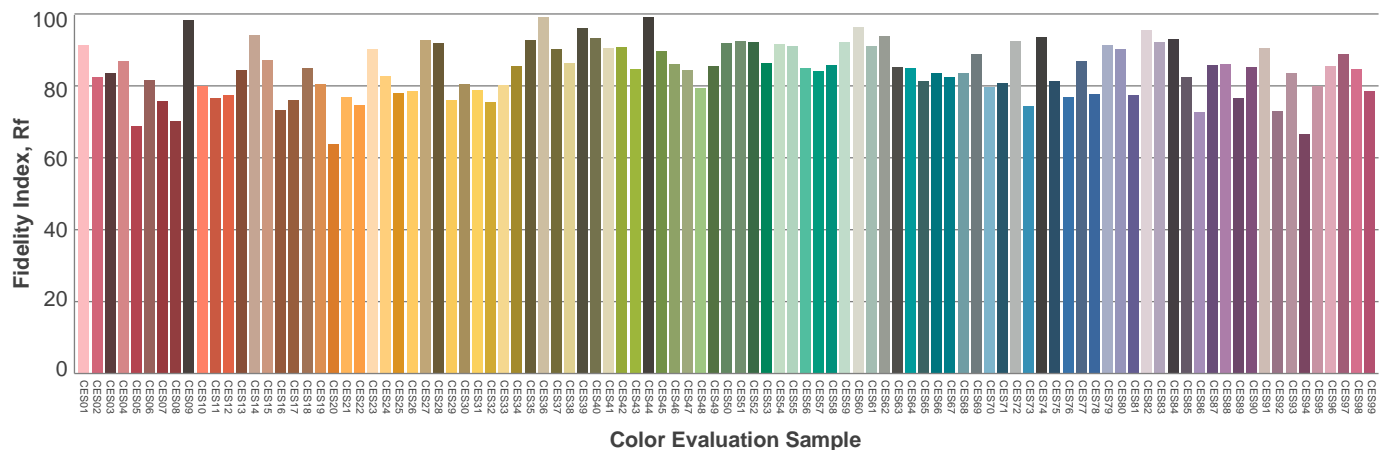
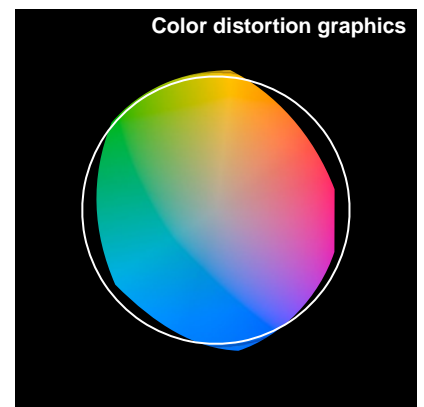
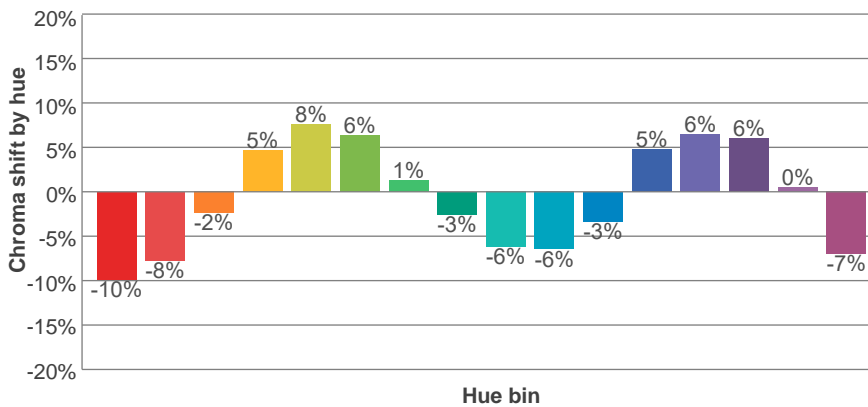
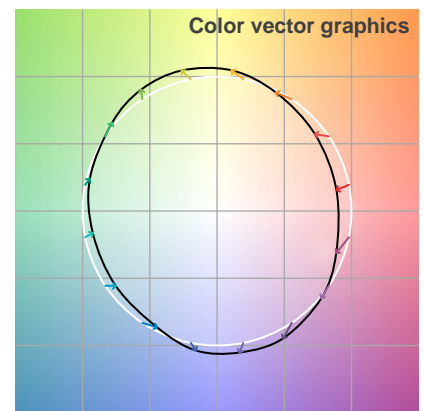
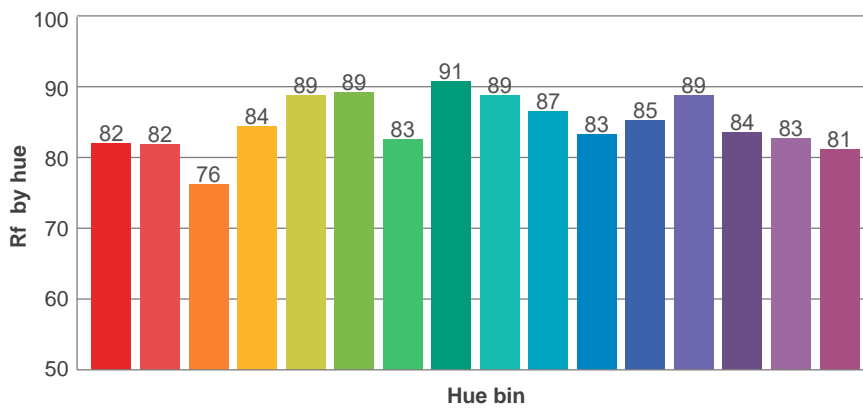
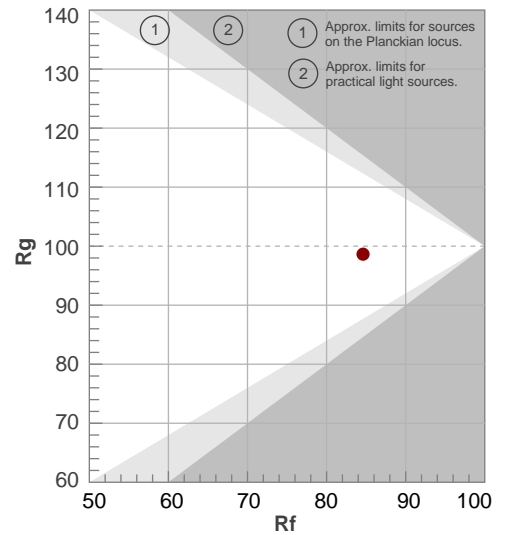
Rf 84.6

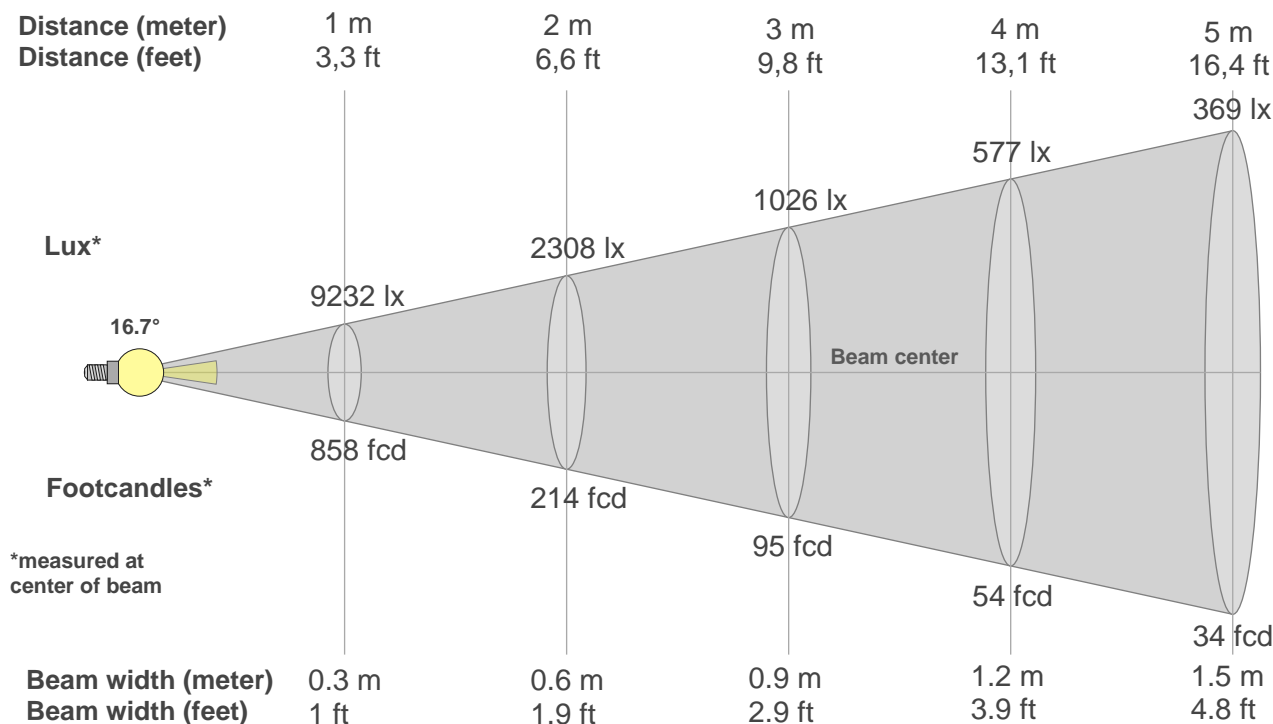
Fidelity index Rf

Rg 98.6

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	6%	-3%
7	83	1%	-11%
8	91	-3%	-5%
9	89	-6%	-2%
10	87	-6%	4%
11	83	-3%	11%
12	85	5%	5%
13	89	6%	-4%
14	84	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
9232lx	2308lx	1026lx	577lx	369lx	256lx	188lx	144lx	114lx	92lx	76lx	64lx	55lx	47lx	41lx	36lx	32lx	28lx	26lx	23lx
857.7fcd	214.4fcd	95.3fcd	53.6fcd	34.3fcd	23.8fcd	17.5fcd	13.4fcd	10.6fcd	8.6fcd	7.1fcd	6fcd	5.1fcd	4.4fcd	3.8fcd	3.4fcd	3fcd	2.6fcd	2.4fcd	2.1fcd

Intensities in 0° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
9232	9148	8860	8400	7800	7100	6351	5607	4886	4218	3634	3142	2732	2366	2031	1722	1447	1213	1024	861
100%	99%	96%	91%	84%	77%	69%	61%	53%	46%	39%	34%	30%	26%	22%	19%	16%	13%	11%	9%

Intensities in 90° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
9232	9114	8824	8374	7779	7094	6366	5606	4845	4129	3484	2942	2500	2127	1800	1517	1264	1039	837	656
100%	99%	96%	91%	84%	77%	69%	61%	52%	45%	38%	32%	27%	23%	20%	16%	14%	11%	9%	7%

Intensities in 180° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
9232	9111	8800	8333	7754	7085	6352	5608	4883	4204	3584	3057	2621	2254	1925	1632	1376	1156	972	810
100%	99%	95%	90%	84%	77%	69%	61%	53%	46%	39%	33%	28%	24%	21%	18%	15%	13%	11%	9%

Intensities in 270° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
9232	9153	8867	8413	7822	7121	6373	5599	4839	4146	3539	3027	2598	2226	1908	1619	1369	1148	953	786
100%	99%	96%	91%	85%	77%	69%	61%	52%	45%	38%	33%	28%	24%	21%	18%	15%	12%	10%	9%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
16.7°	36.2°	47.6°	99.8%	99.5%