

Light efficiency:

40 Lumen/Watt

Light quality:

CRI: 83.4

Color temperature:

2889 K

Output: 1429 lm

Peak: 6478 cd

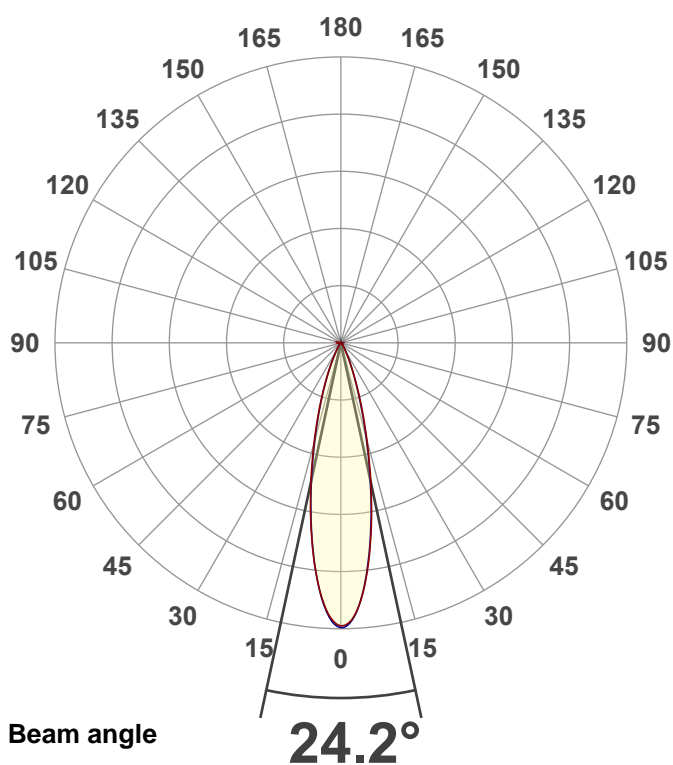
Power: 36.1 W

PF: 0.98



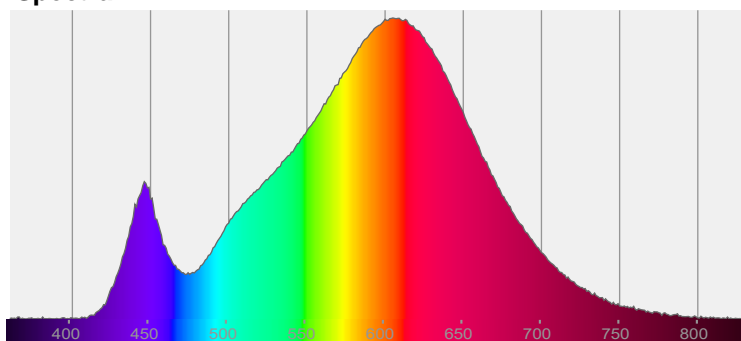
NU3-RA-XTM09-20LM-30K-83-25D-NA-SBL-WH-WH

Date and time:
6/3/2022 9:44:05 AM

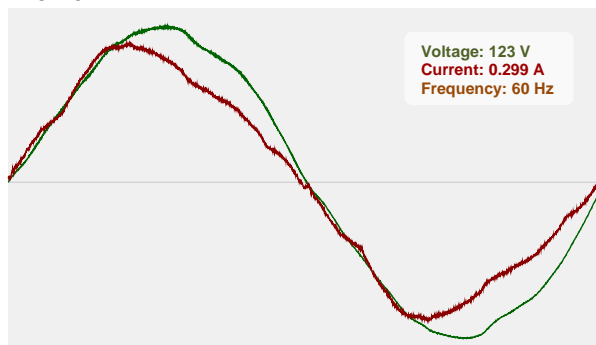


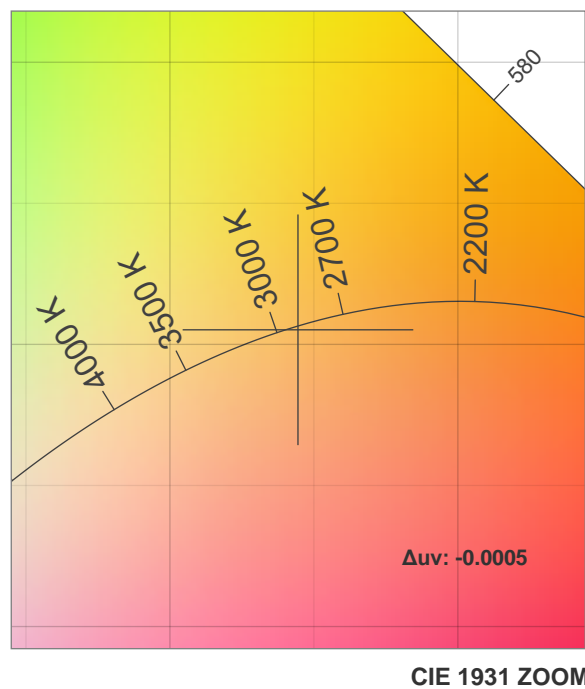
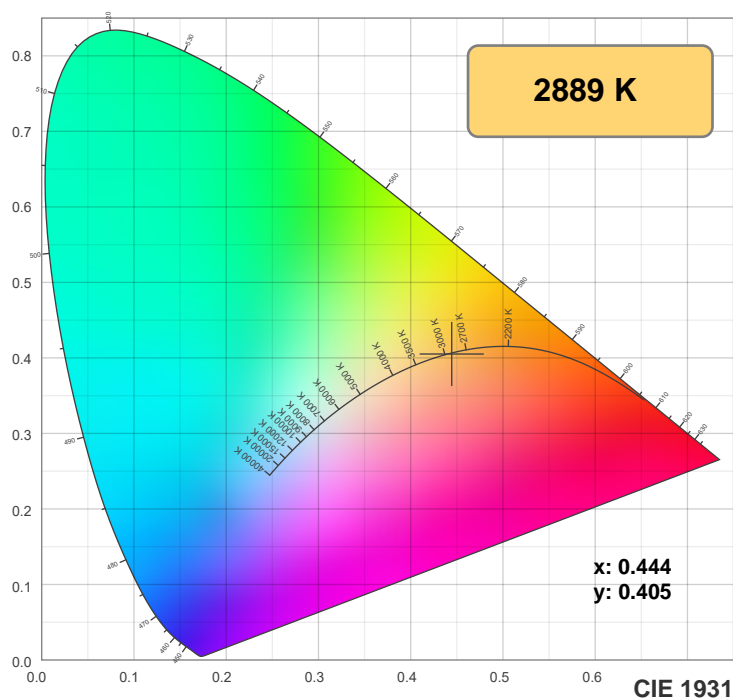
CIE 1931
x: 0.444
y: 0.405

Spectra

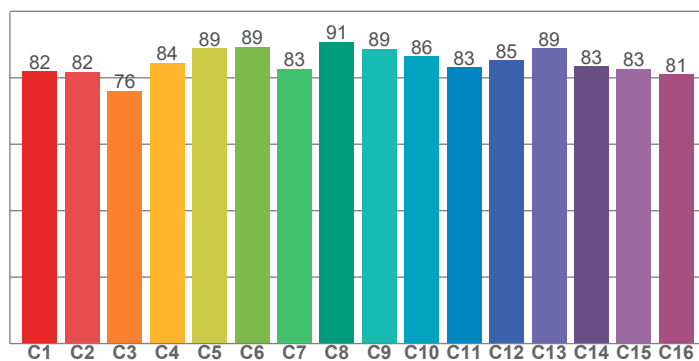


Power

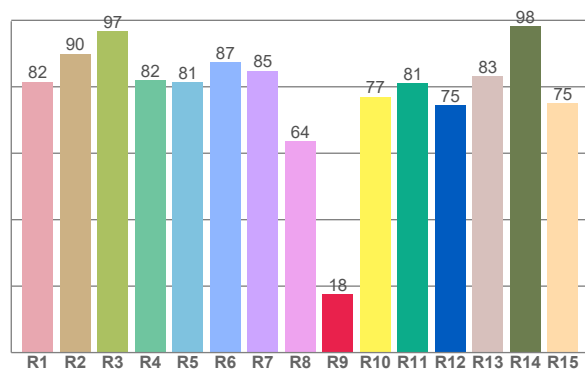




TM30: 84.6



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	63.5	17.5	77.0	81.0	74.5	83.1	98.1	75.1

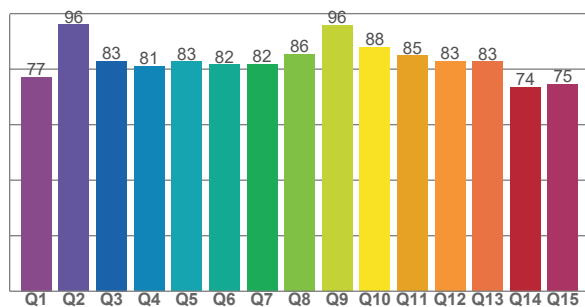
TM30 C values, 16 binned values out of total of 99 C values

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	88.8	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	81.0	82.8	81.7	81.9	85.5	95.9	87.9	84.9	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
2889 K	83.4	17.5	84.6	98.5	82.2	0.444	0.405	0.255	0.349	-0.0005

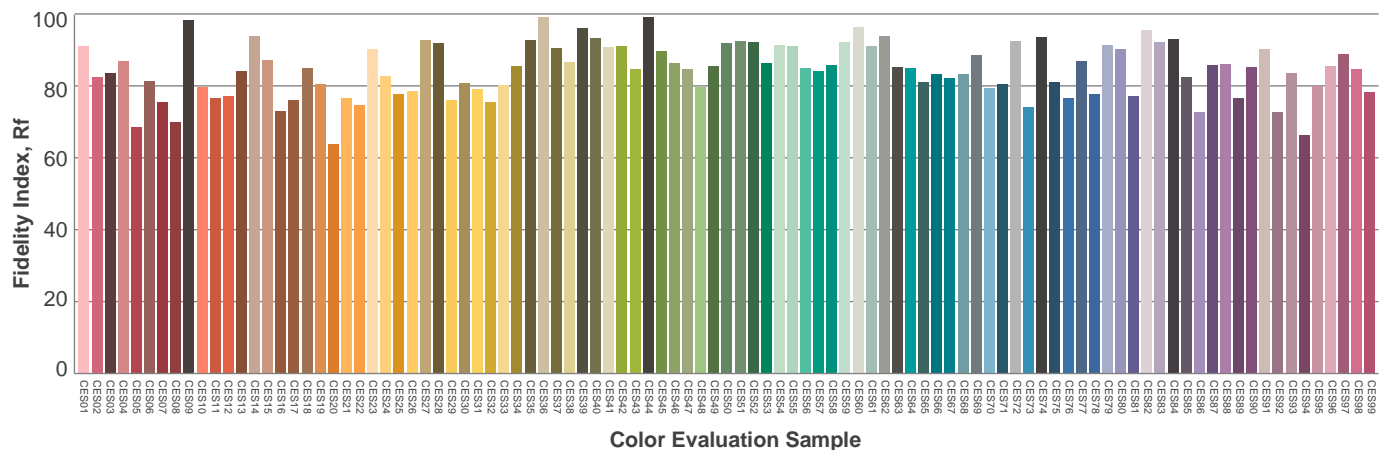
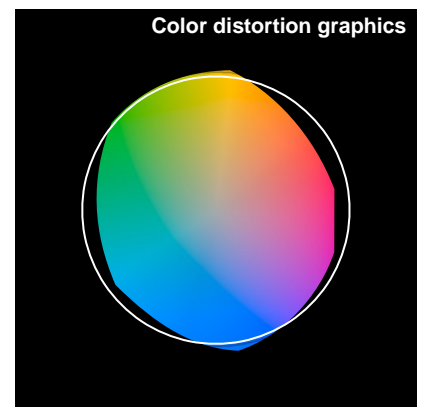
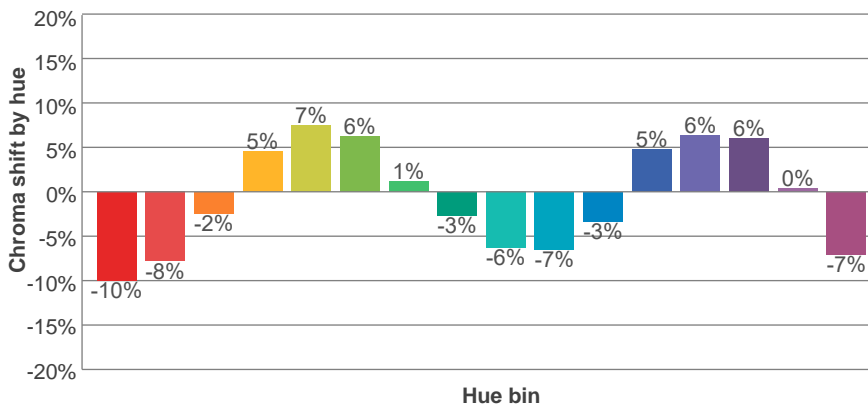
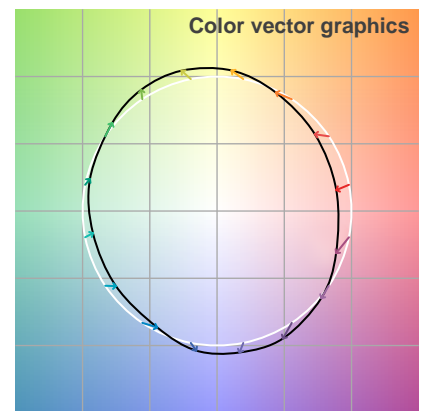
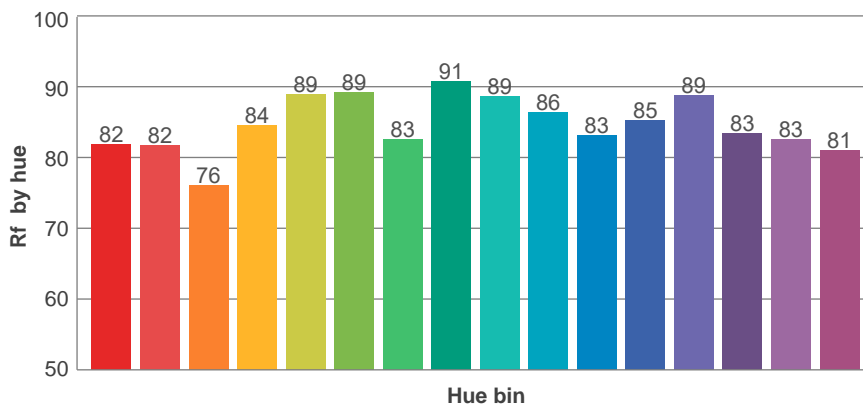
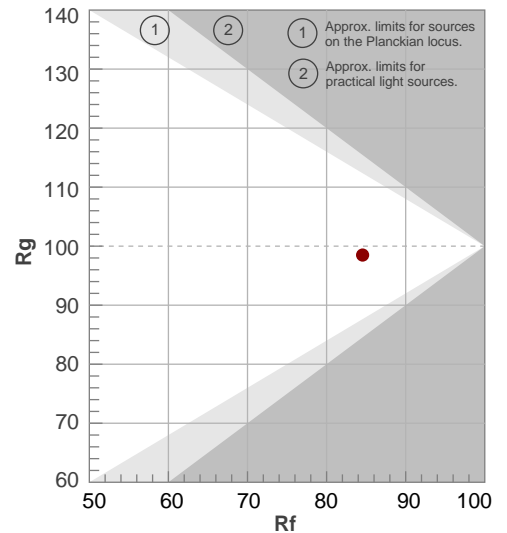
Rf 84.6

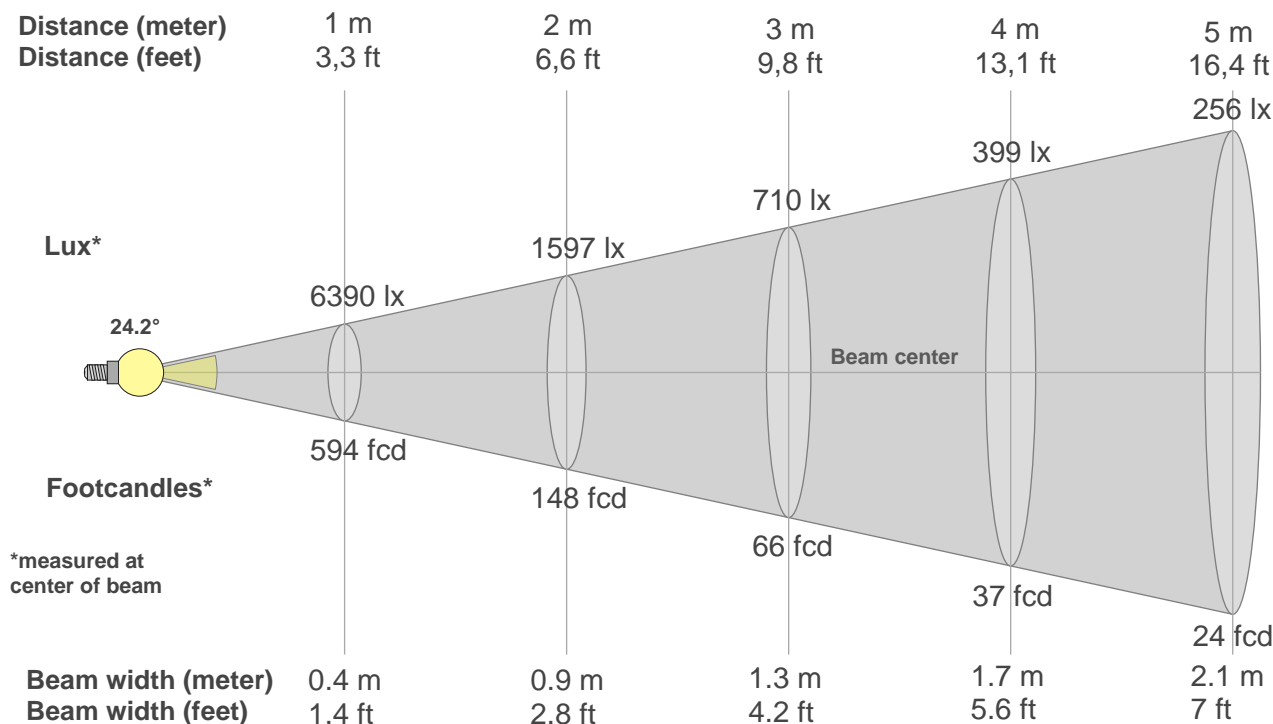
Fidelity index Rf

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	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	-7%	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
6390lx	1597lx	710lx	399lx	256lx	177lx	130lx	100lx	79lx	64lx	53lx	44lx	38lx	33lx	28lx	25lx	22lx	20lx	18lx	16lx
593.6fc	148.4fc	66fc	37.1fc	23.7fc	16.5fc	12.1fc	9.3fc	7.3fc	5.9fc	4.9fc	4.1fc	3.5fc	3fc	2.6fc	2.3fc	2.1fc	1.8fc	1.6fc	1.5fc

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°
6390	6266	5907	5369	4711	3994	3267	2595	2011	1520	1118	799	567	402	284	202	143	99	73	52
100%	98%	92%	84%	74%	63%	51%	41%	31%	24%	17%	13%	9%	6%	4%	3%	2%	2%	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°
6390	6270	5909	5352	4667	3934	3204	2522	1918	1411	1037	764	559	406	293	208	148	102	71	50
100%	98%	92%	84%	73%	62%	50%	39%	30%	22%	16%	12%	9%	6%	5%	3%	2%	2%	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°
6390	6207	5814	5269	4627	3943	3264	2641	2084	1603	1199	869	617	427	289	194	132	94	68	49
100%	97%	91%	82%	72%	62%	51%	41%	33%	25%	19%	14%	10%	7%	5%	3%	2%	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°
6390	6251	5862	5267	4596	3895	3205	2555	1994	1535	1151	836	585	391	266	185	132	97	71	51
100%	98%	92%	82%	72%	61%	50%	40%	31%	24%	18%	13%	9%	6%	4%	3%	2%	2%	1%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
24.2°	46.9°	62.4°	99.7%	99.1%