

Light efficiency:

40 Lumen/Watt

Light quality:

CRI: 83.4

Color temperature:

2889 K

Output: 1426 lm

Peak: 6617 cd

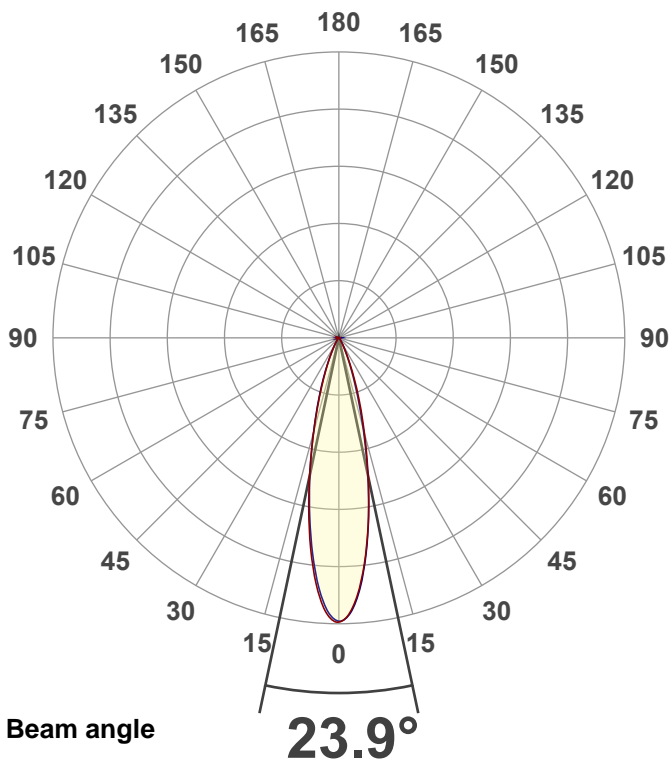
Power: 36.0 W

PF: 0.98



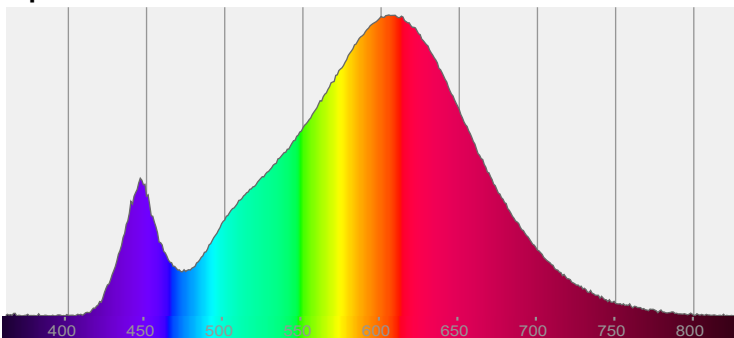
NU3-RA-XTM09-20LM-30K-83-25D-NA-CL-WH-WH

Date and time:  
6/3/2022 3:14:52 PM

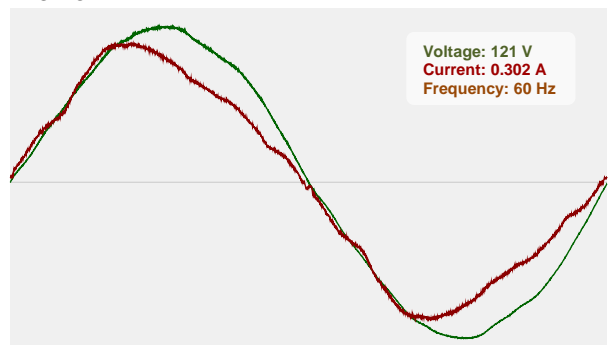


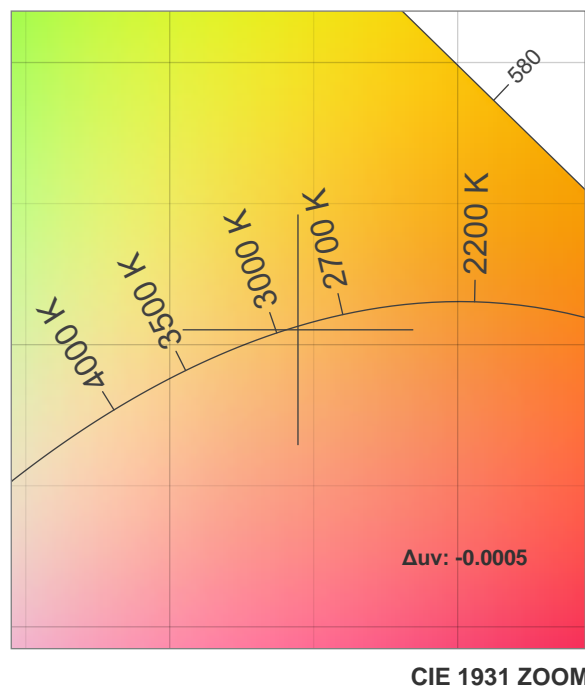
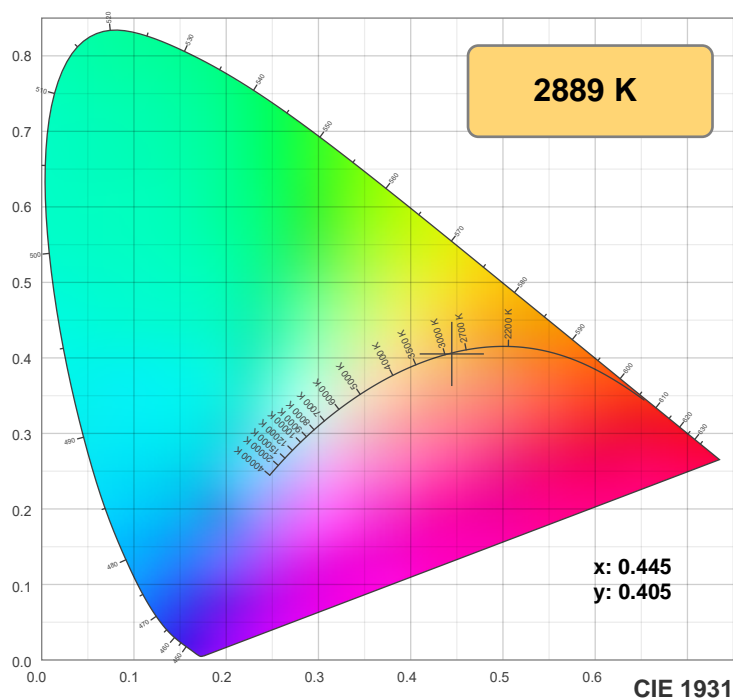
CIE 1931  
x: 0.445  
y: 0.405

Spectra

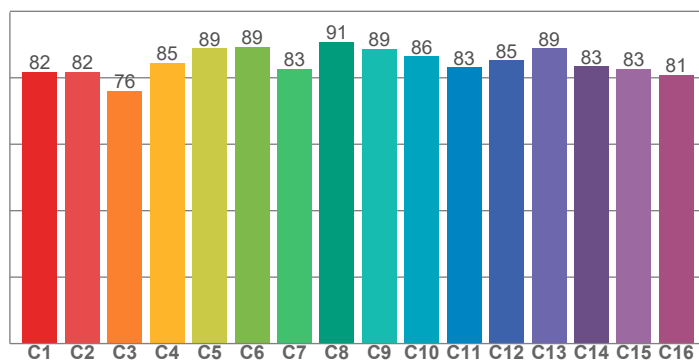


Power

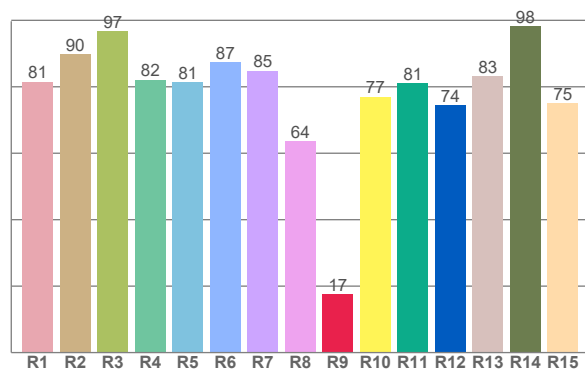




TM30: 84.6



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	96.8	82.1	81.4	87.3	84.8	63.5	17.5	77.0	81.0	74.5	83.1	98.1	75.1

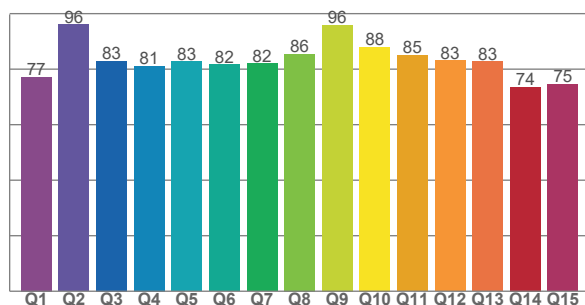
TM30 C values, 16 binned values out of total of 99 C values

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	80.9

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	85.5	95.9	87.9	85.0	83.0	82.7	73.5	74.5

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	$\Delta uv$
2889 K	83.4	17.5	84.6	98.5	82.2	0.445	0.405	0.255	0.349	-0.0005

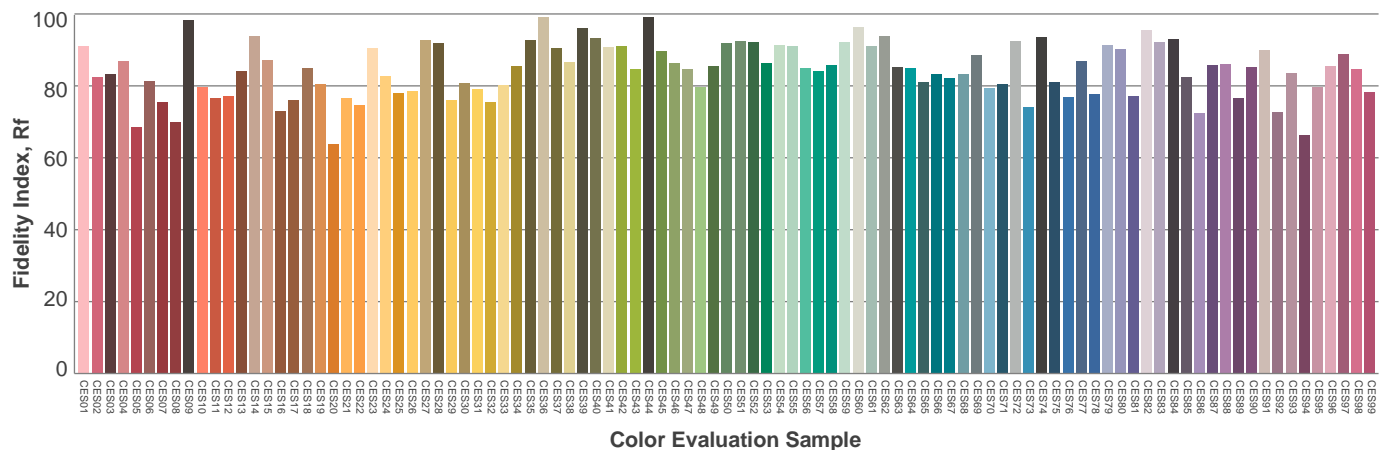
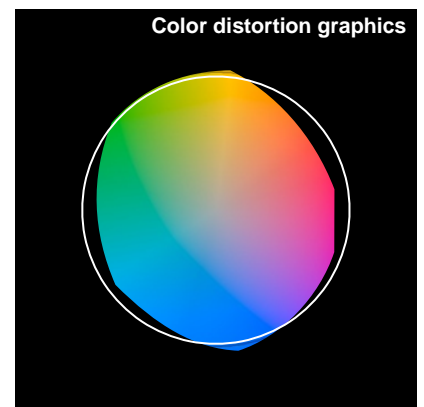
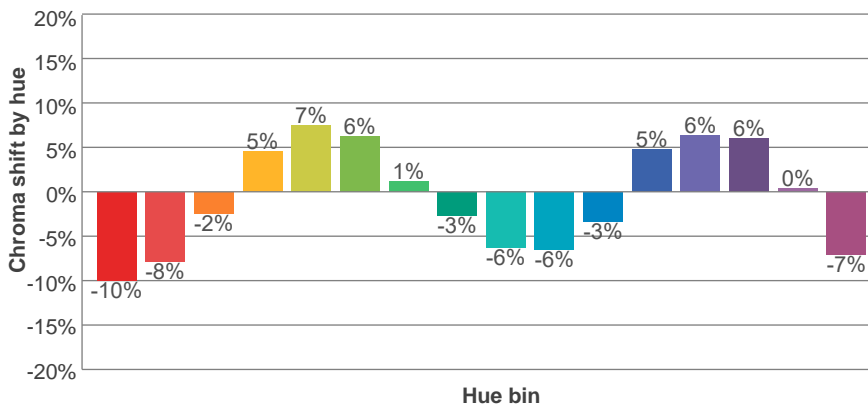
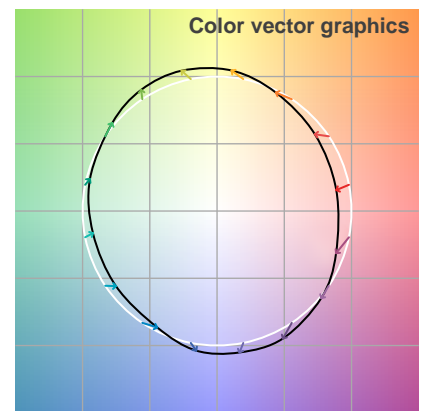
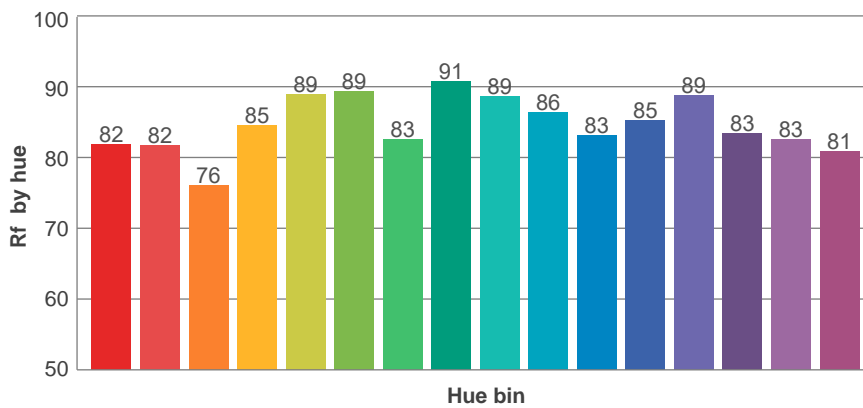
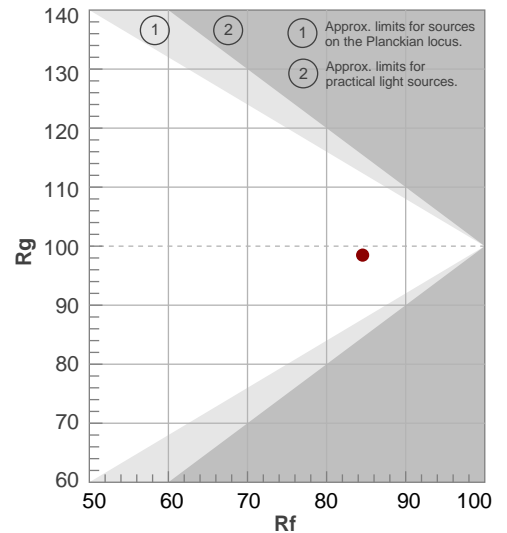
**Rf 84.6**

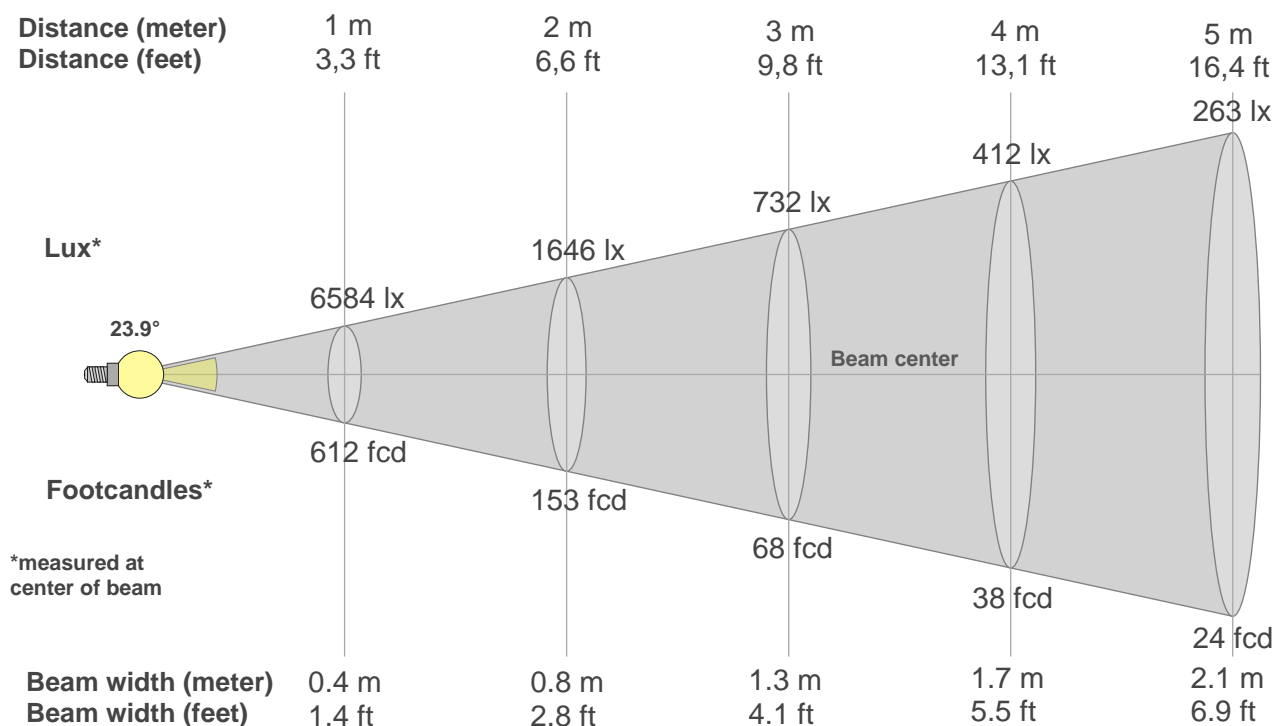
Fidelity index Rf

**Rg 98.5**

Gammut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	82	-10%	-2%
2	82	-8%	7%
3	76	-2%	13%
4	85	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
6584lx	1646lx	732lx	412lx	263lx	183lx	134lx	103lx	81lx	66lx	54lx	46lx	39lx	34lx	29lx	26lx	23lx	20lx	18lx	16lx
611.7fcd	152.9fcd	68fcd	38.2fcd	24.5fcd	17fcd	12.5fcd	9.6fcd	7.6fcd	6.1fcd	5.1fcd	4.2fcd	3.6fcd	3.1fcd	2.7fcd	2.4fcd	2.1fcd	1.9fcd	1.7fcd	1.5fcd

#### 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°
6584	6437	6032	5429	4734	4003	3282	2613	2026	1542	1141	813	556	366	236	160	115	82	60	44
100%	98%	92%	82%	72%	61%	50%	40%	31%	23%	17%	12%	8%	6%	4%	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°
6584	6439	6046	5464	4761	4003	3235	2516	1901	1397	1007	716	503	350	246	169	116	81	55	35
100%	98%	92%	83%	72%	61%	49%	38%	29%	21%	15%	11%	8%	5%	4%	3%	2%	1%	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°
6584	6459	6082	5508	4807	4040	3280	2587	1992	1499	1107	804	578	421	307	222	157	108	76	56
100%	98%	92%	84%	73%	61%	50%	39%	30%	23%	17%	12%	9%	6%	5%	3%	2%	2%	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°
6584	6414	5974	5370	4675	3950	3241	2577	2010	1546	1164	848	590	393	253	175	127	94	70	52
100%	97%	91%	82%	71%	60%	49%	39%	31%	23%	18%	13%	9%	6%	4%	3%	2%	1%	1%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23.9°	46.3°	61.2°	99.8%	99.2%