

Light efficiency:

42 Lumen/Watt

Light quality:

CRI: 83.5

Color temperature:

2902 K

Output: 1532 lm

Peak: 7199 cd

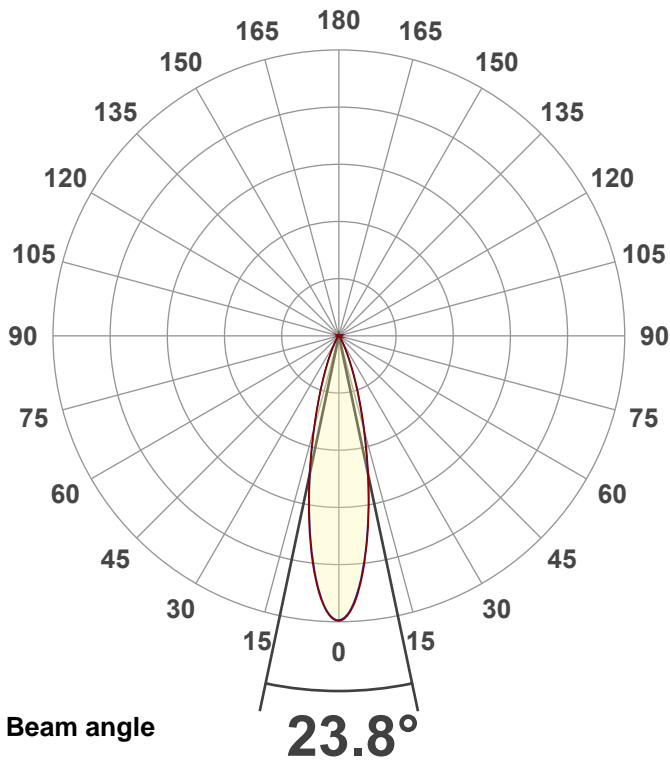
Power: 36.2 W

PF: 0.98



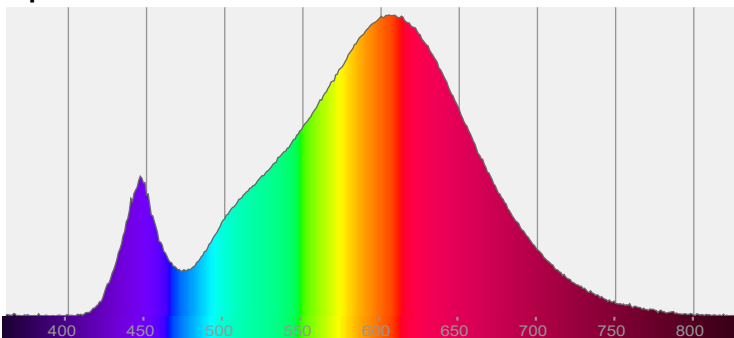
NU3-RA-XTM09-20LM-30K-83-25D-NA-  
NL-WH-WH

Date and time:  
6/2/2022 2:38:52 PM

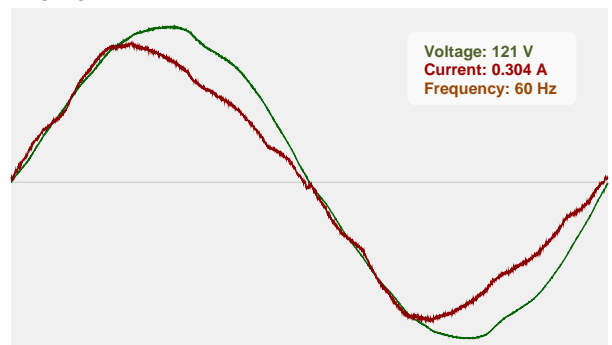


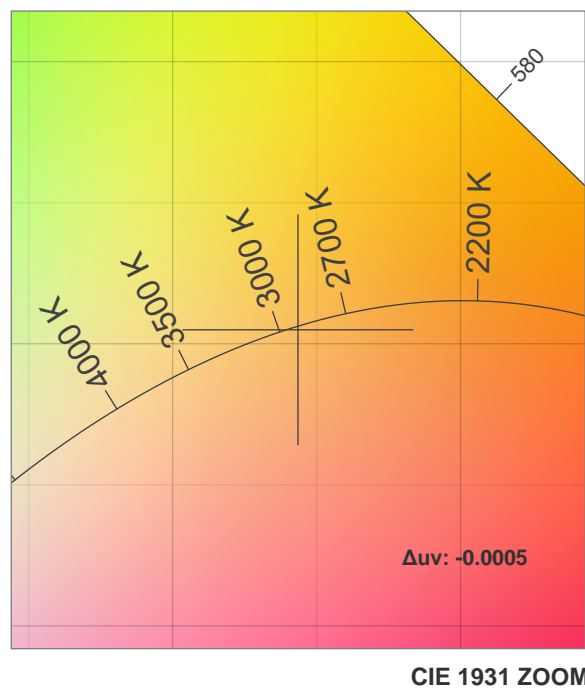
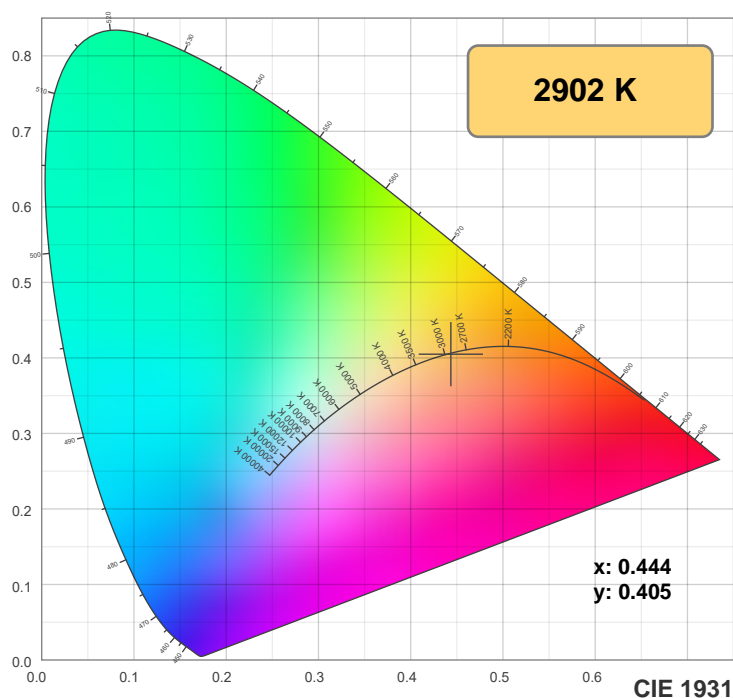
CIE 1931  
x: 0.444  
y: 0.405

Spectra

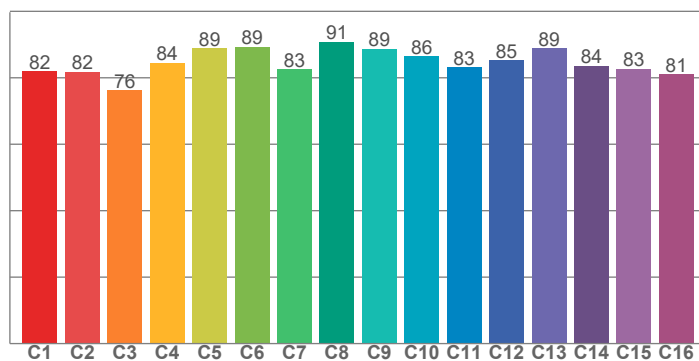


Power

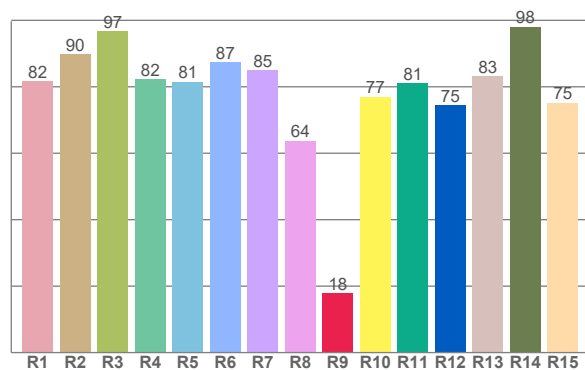




TM30: 84.6



CRI: 83.5 (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
81.6	89.9	96.7	82.2	81.5	87.3	84.9	63.8	17.8	77.0	81.2	74.5	83.2	98.1	75.2

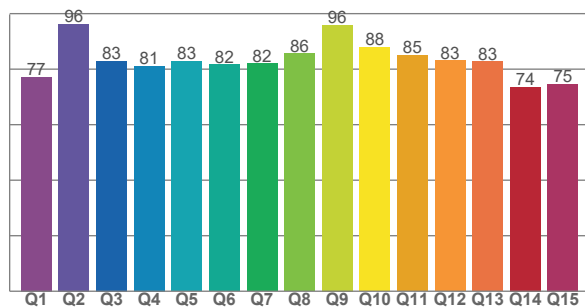
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
81.9	81.8	76.1	84.4	88.8	89.2	82.6	90.8	88.7	86.5	83.1	85.3	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
77.3	96.2	82.9	81.1	82.8	81.7	82.0	85.6	95.9	87.9	85.0	83.1	82.8	73.6	74.6

CQS: 82.3



## 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	$\Delta uv$
2902 K	83.5	17.8	84.6	98.5	82.3	0.444	0.405	0.254	0.348	-0.0005

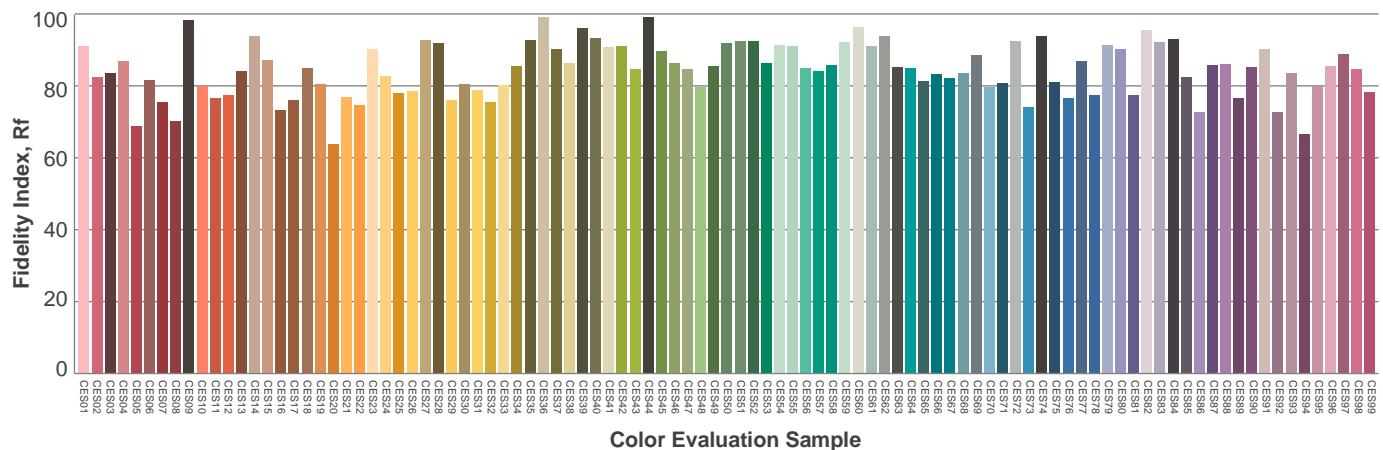
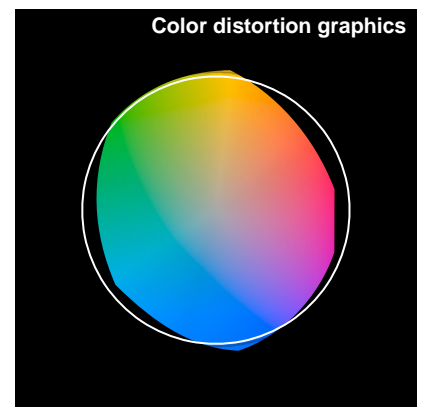
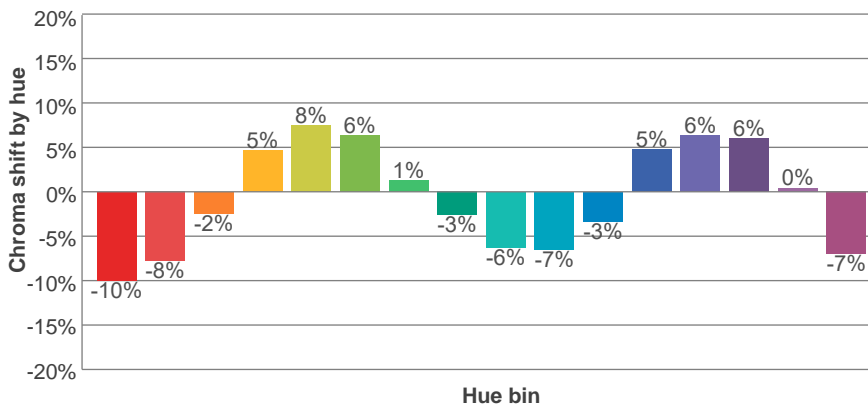
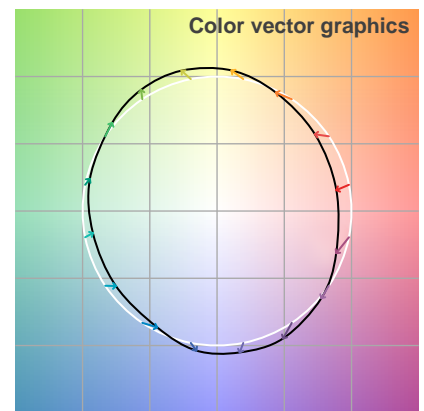
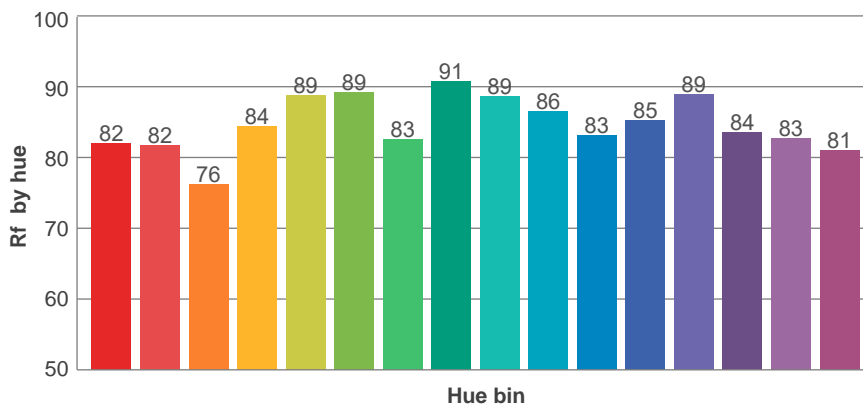
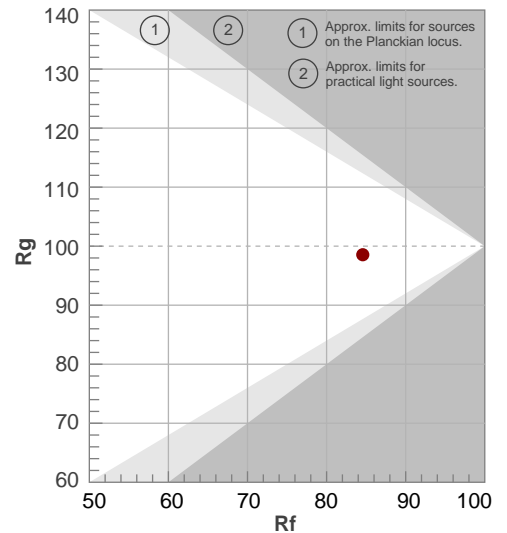
**Rf 84.6**

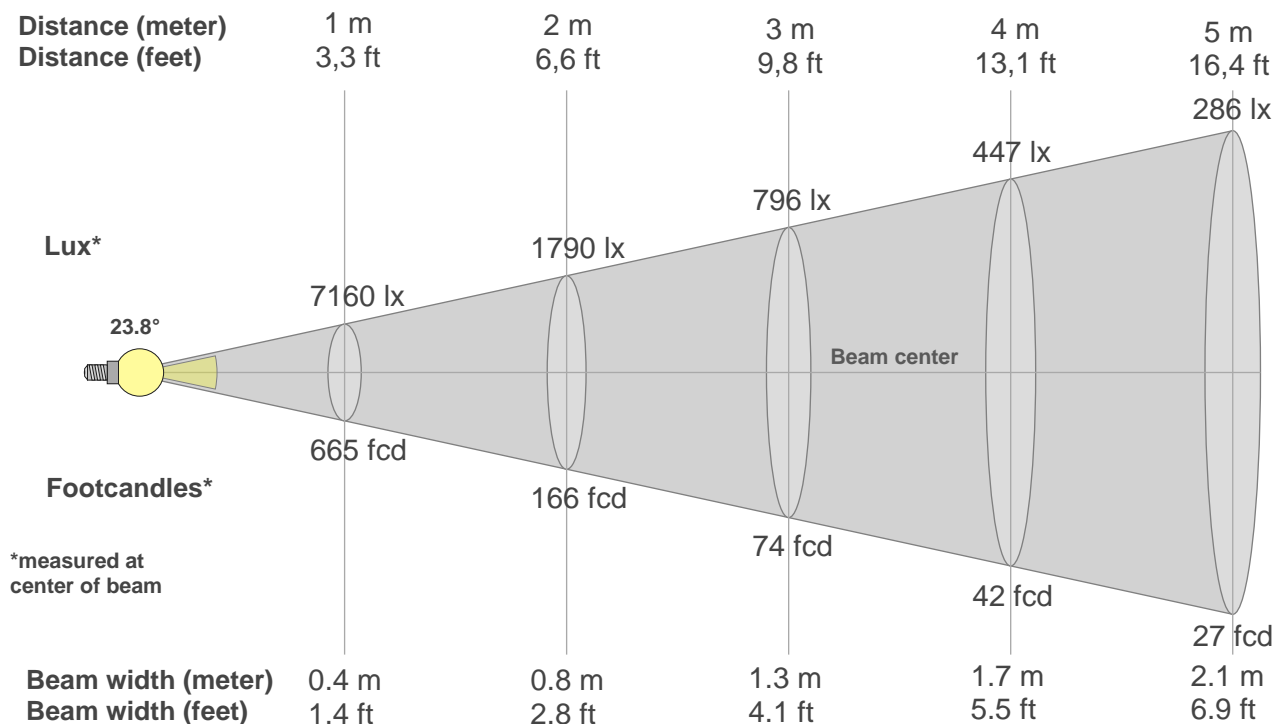
Fidelity index Rf

**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	84	5%	10%
5	89	8%	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	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
7160lx	1790lx	796lx	447lx	286lx	199lx	146lx	112lx	88lx	72lx	59lx	50lx	42lx	37lx	32lx	28lx	25lx	22lx	20lx	18lx
665.2fc	166.3fc	73.9fc	41.6fc	26.6fc	18.5fc	13.6fc	10.4fc	8.2fc	6.7fc	5.5fc	4.6fc	3.9fc	3.4fc	3fc	2.6fc	2.3fc	2.1fc	1.8fc	1.7fc

#### 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°
7160	6992	6566	5932	5167	4362	3576	2848	2208	1666	1243	896	618	408	265	186	131	91	64	44
100%	98%	92%	83%	72%	61%	50%	40%	31%	23%	17%	13%	9%	6%	4%	3%	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°
7160	6998	6512	5860	5107	4306	3500	2760	2125	1593	1159	815	561	381	249	160	106	71	51	34
100%	98%	91%	82%	71%	60%	49%	39%	30%	22%	16%	11%	8%	5%	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°
7160	7043	6628	5976	5210	4393	3575	2796	2150	1615	1180	839	582	407	287	201	139	96	68	47
100%	98%	93%	83%	73%	61%	50%	39%	30%	23%	16%	12%	8%	6%	4%	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°
7160	6992	6557	5917	5148	4315	3498	2752	2106	1576	1164	865	630	451	320	228	164	117	84	60
100%	98%	92%	83%	72%	60%	49%	38%	29%	22%	16%	12%	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
23.8°	46.1°	60.9°	99.8%	99.4%