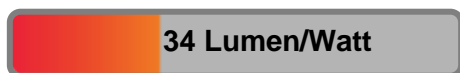


Light efficiency:



Light quality:



Color temperature:



Output: 1015 lm

Peak: 4696 cd

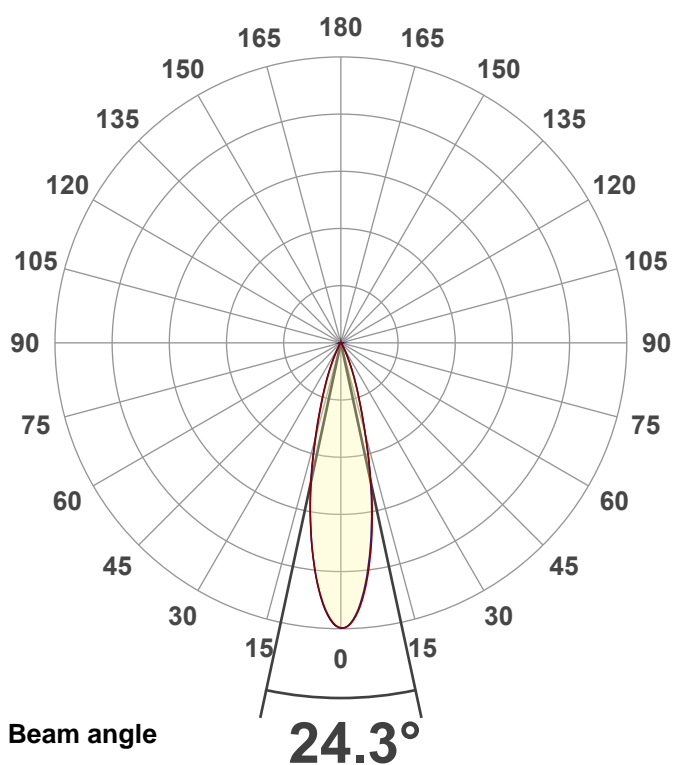
Power: 30.0 W

PF: 0.98



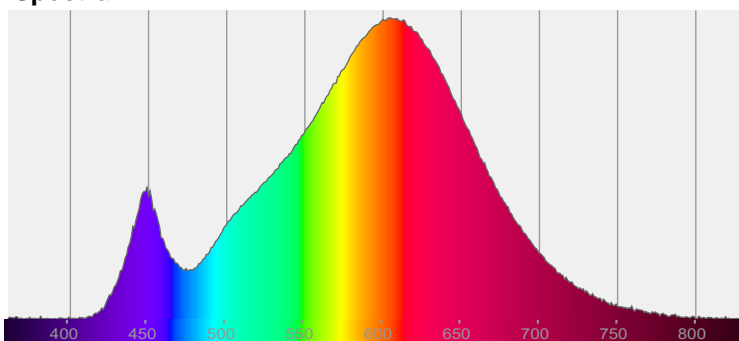
NU3-RDDR-XTM09-16LM-30K-83-25D-SBL-WH

Date and time:  
4/11/2022 3:22:31 PM

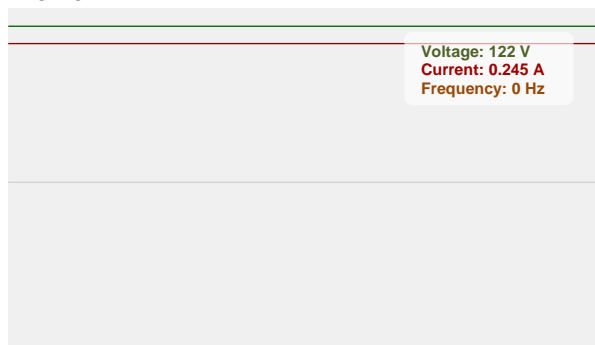


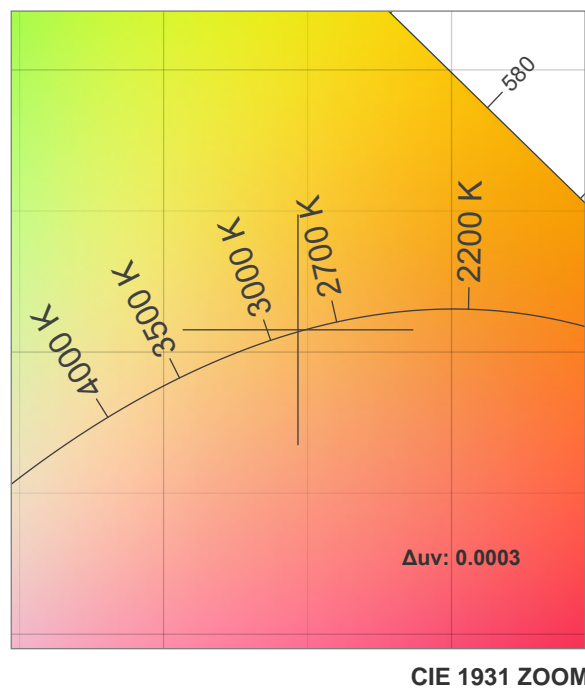
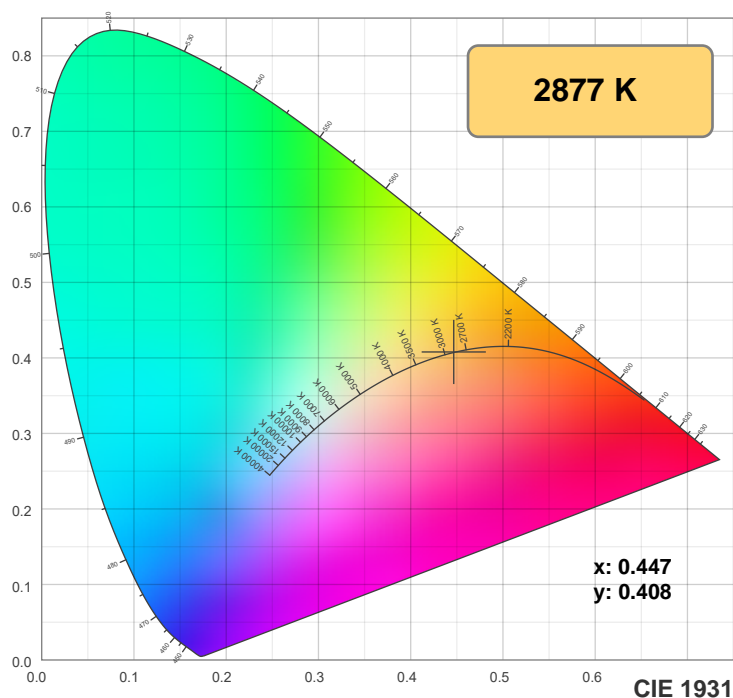
CIE 1931  
x: 0.447  
y: 0.408

Spectra

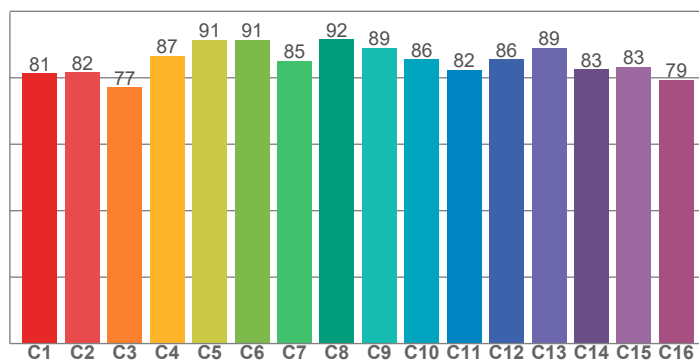


Power

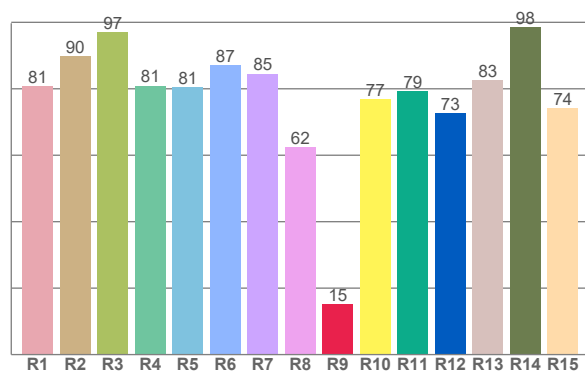




TM30: 85.0



CRI: 82.9 (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
80.7	89.9	97.1	80.9	80.5	87.1	84.5	62.4	15.1	76.9	79.3	72.6	82.5	98.5	74.2

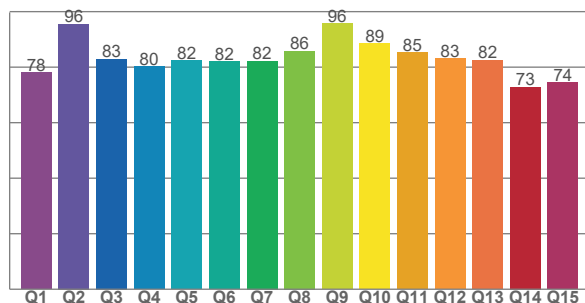
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
81.3	81.6	77.1	86.6	91.4	91.4	85.1	91.6	88.9	85.6	82.5	85.5	88.9	82.5	83.3	79.5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
78.0	95.6	82.9	80.2	82.4	82.0	82.1	85.7	95.7	88.6	85.3	83.2	82.5	72.9	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	$\Delta uv$
2877 K	82.9	15.1	85.0	97.2	82.2	0.447	0.408	0.255	0.350	0.0003

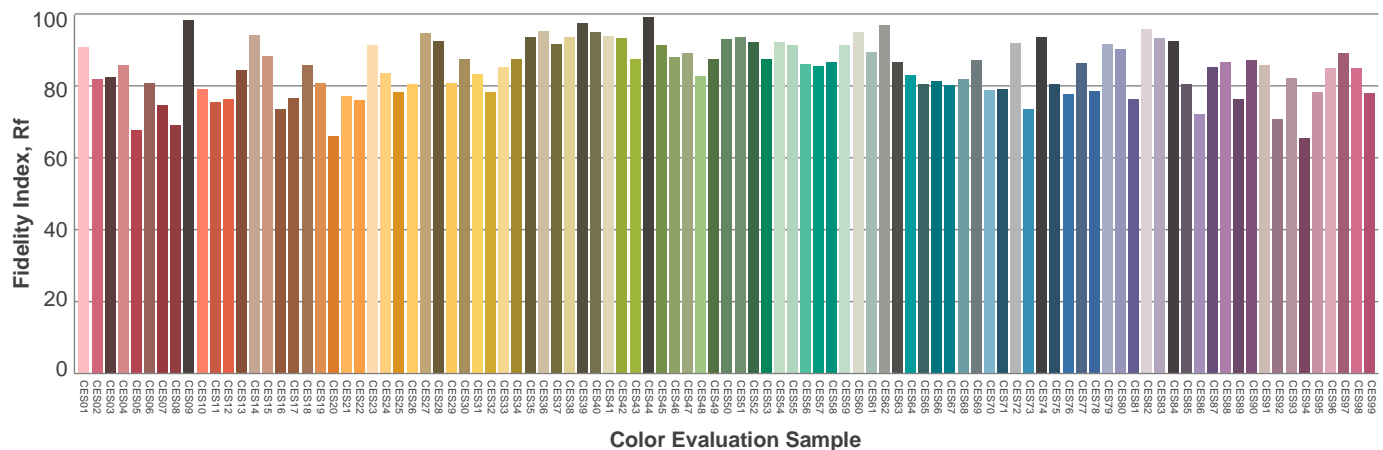
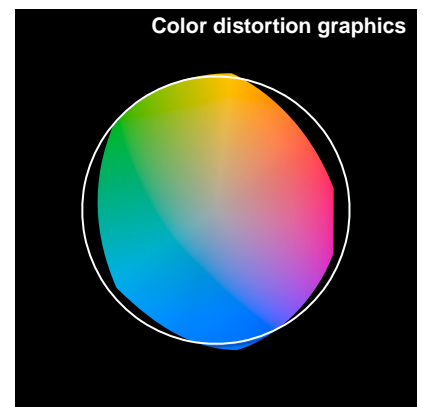
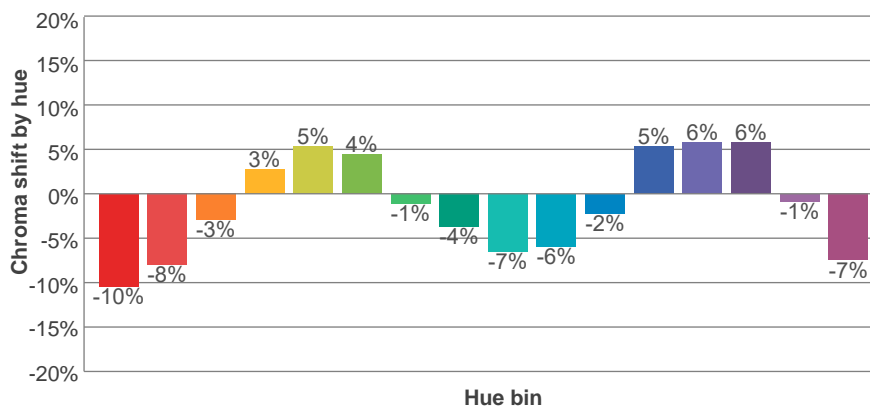
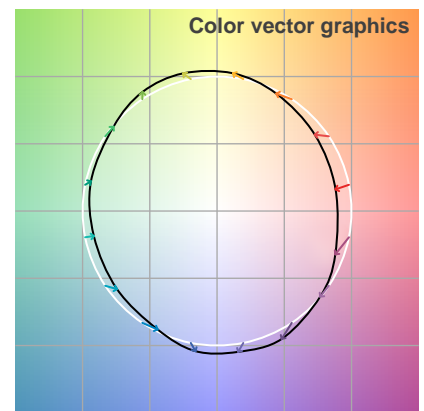
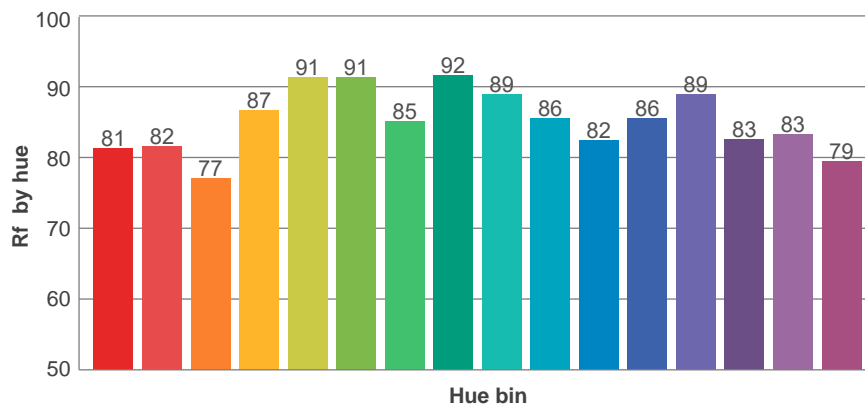
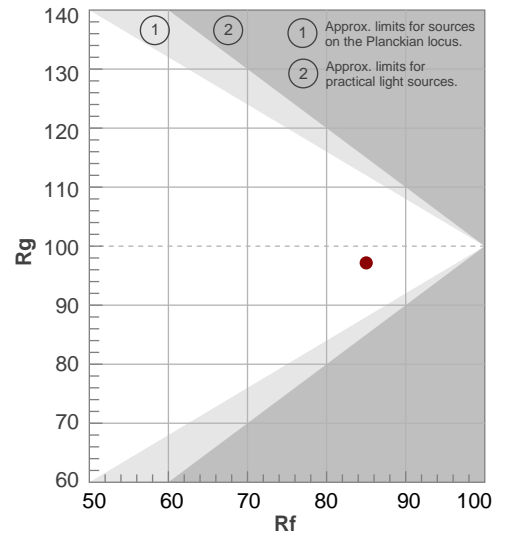
**Rf 85.0**

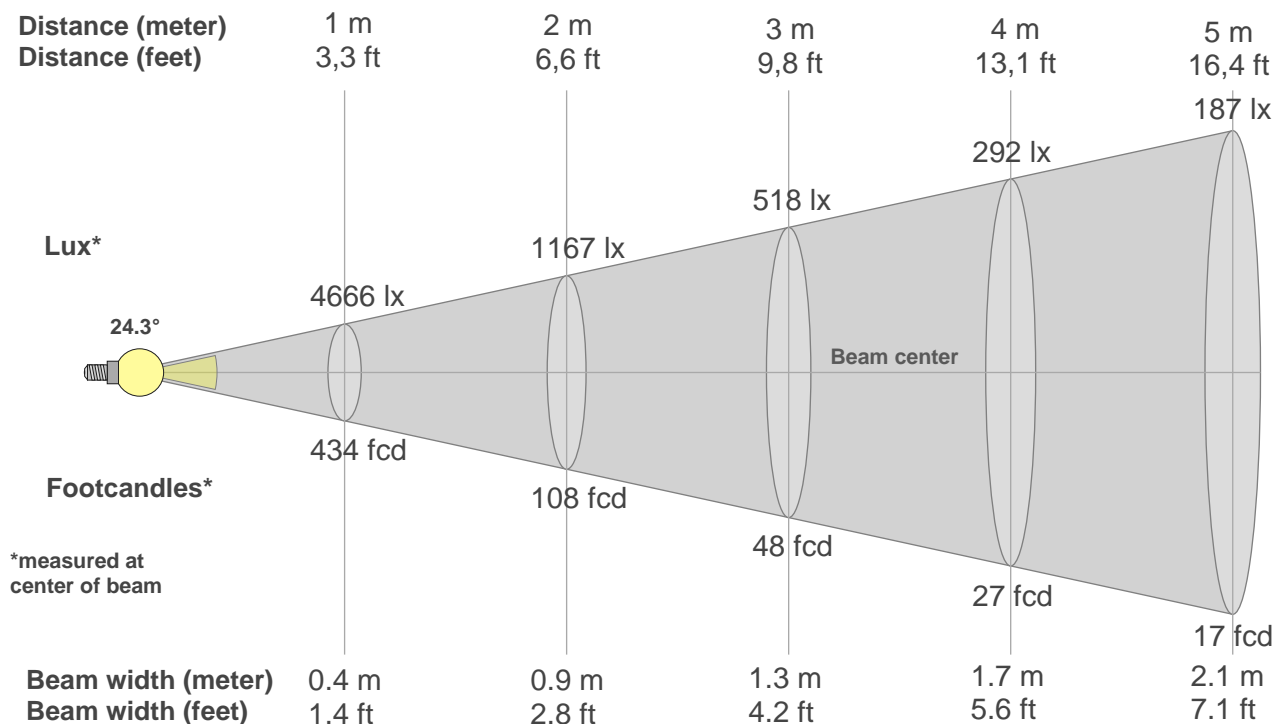
Fidelity index Rf

**Rg 97.2**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	81	-10%	-1%
2	82	-8%	7%
3	77	-3%	12%
4	87	3%	8%
5	91	5%	5%
6	91	4%	-3%
7	85	-1%	-9%
8	92	-4%	-3%
9	89	-7%	0%
10	86	-6%	7%
11	82	-2%	12%
12	86	5%	5%
13	89	6%	-5%
14	83	6%	-13%
15	83	-1%	-10%
16	79	-7%	-14%





#### 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
4666lx	1167lx	518lx	292lx	187lx	130lx	95lx	73lx	58lx	47lx	39lx	32lx	28lx	24lx	21lx	18lx	16lx	14lx	13lx	12lx
433.5fcd	108.4fcd	48.2fcd	27.1fcd	17.3fcd	12fcd	8.8fcd	6.8fcd	5.4fcd	4.3fcd	3.6fcd	3fcd	2.6fcd	2.2fcd	1.9fcd	1.7fcd	1.5fcd	1.3fcd	1.2fcd	1.1fcd

#### 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°
4666	4613	4382	3986	3504	2971	2401	1830	1330	976	717	501	331	208	126	76	55	44	38	33
100%	99%	94%	85%	75%	64%	51%	39%	29%	21%	15%	11%	7%	4%	3%	2%	1%	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°
4666	4589	4337	3944	3451	2919	2364	1819	1339	971	710	514	356	237	154	100	67	52	42	36
100%	98%	93%	85%	74%	63%	51%	39%	29%	21%	15%	11%	8%	5%	3%	2%	1%	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°
4666	4543	4266	3874	3406	2899	2391	1888	1434	1063	780	557	374	239	145	86	55	45	37	32
100%	97%	91%	83%	73%	62%	51%	40%	31%	23%	17%	12%	8%	5%	3%	2%	1%	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°
4666	4560	4289	3889	3402	2890	2363	1843	1373	1003	740	523	349	218	129	77	52	42	37	32
100%	98%	92%	83%	73%	62%	51%	40%	29%	21%	16%	11%	7%	5%	3%	2%	1%	1%	1%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
24.3°	45.1°	57.4°	98.1%	95.9%