

Light efficiency:

35 Lumen/Watt

Light quality:

CRI: 83.0

Color temperature:

2879 K

Output: 1052 lm

Peak: 9883 cd

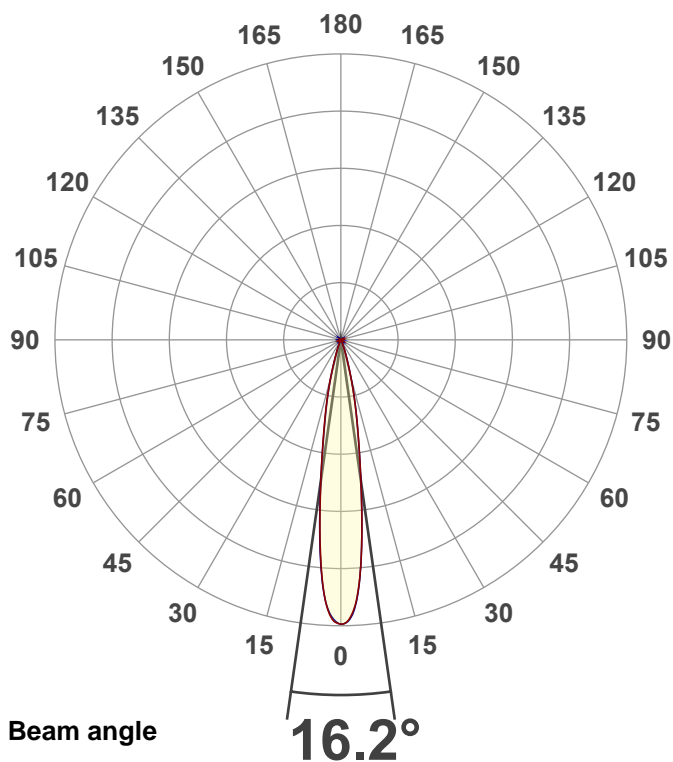
Power: 30.0 W

PF: 0.98



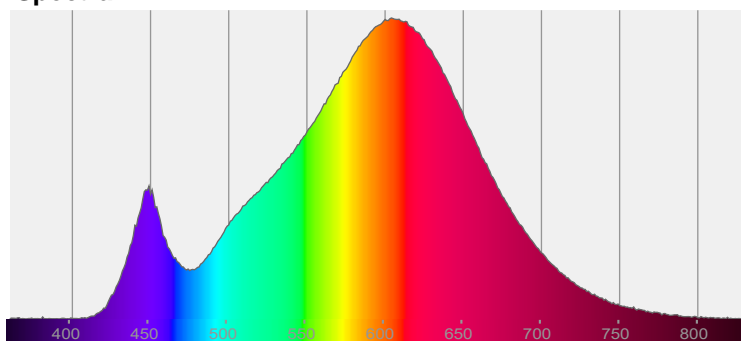
NU3-RDDR-XTM09-16LM-30K-83-15D-SBL-SA

Date and time:
4/11/2022 4:18:33 PM



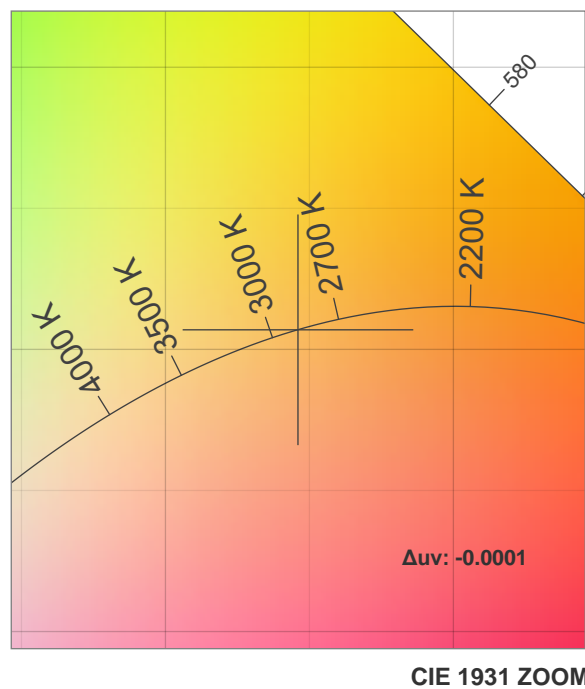
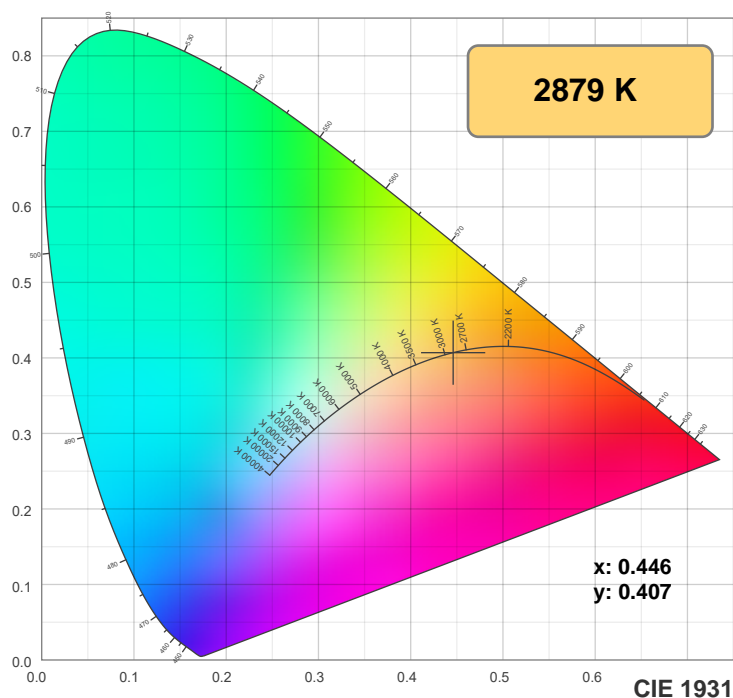
CIE 1931
x: 0.446
y: 0.407

Spectra

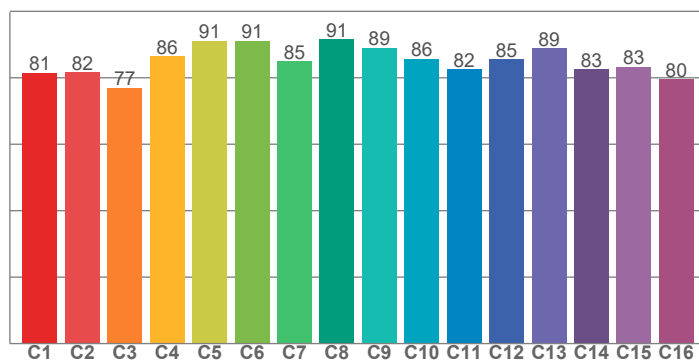


Power

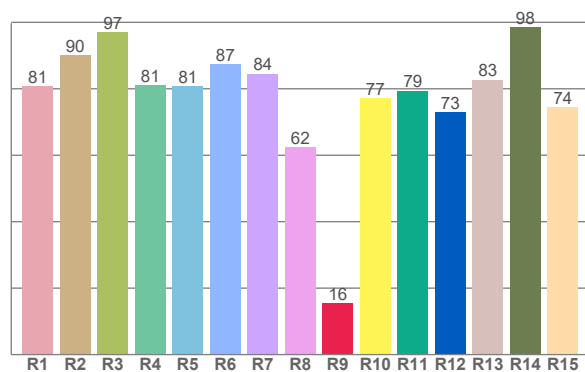
Voltage: 121 V
Current: 0.248 A
Frequency: 0 Hz



TM30: 85.0



CRI: 83.0 (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
80.9	90.0	97.0	81.0	80.7	87.3	84.5	62.5	15.5	77.2	79.4	73.0	82.7	98.5	74.4

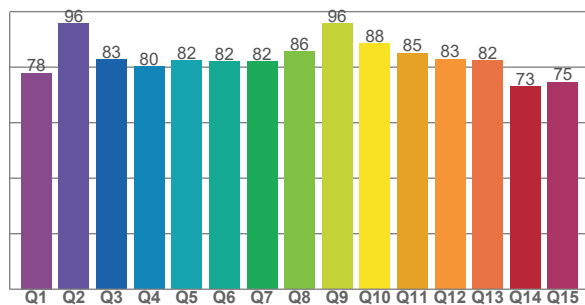
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
81.4	81.6	76.9	86.4	91.2	91.1	84.9	91.5	89.0	85.7	82.5	85.5	88.9	82.6	83.3	79.6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
78.0	95.7	82.7	80.2	82.4	82.0	82.1	85.6	95.7	88.4	85.1	83.0	82.4	73.0	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	Δuv
2879 K	83.0	15.5	85.0	97.3	82.2	0.446	0.407	0.255	0.349	-0.0001

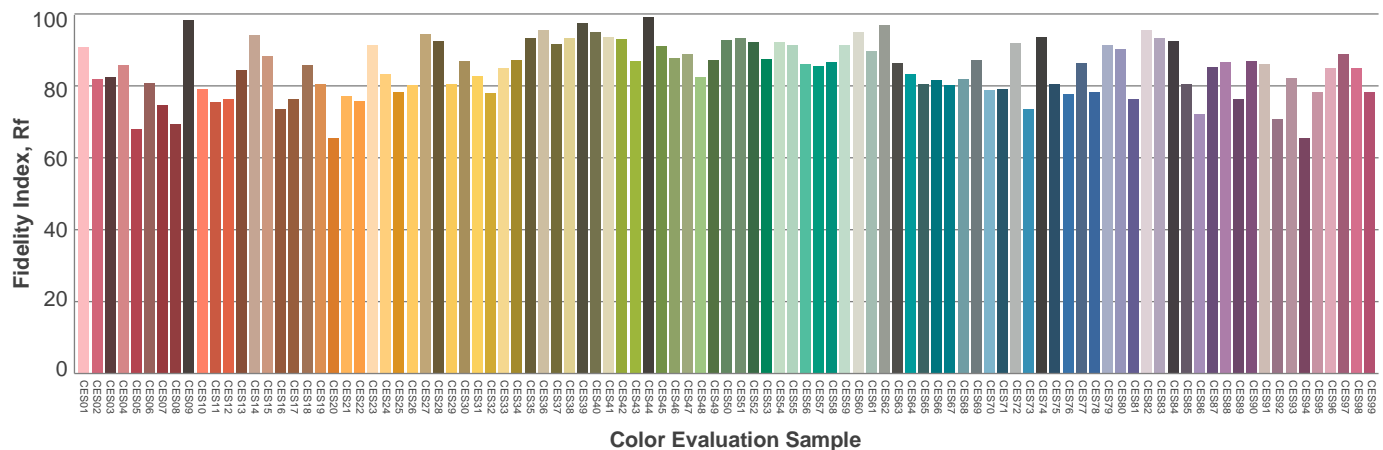
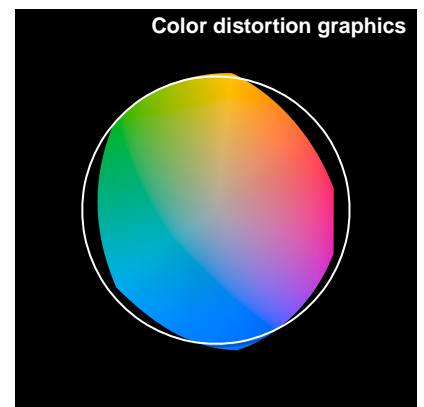
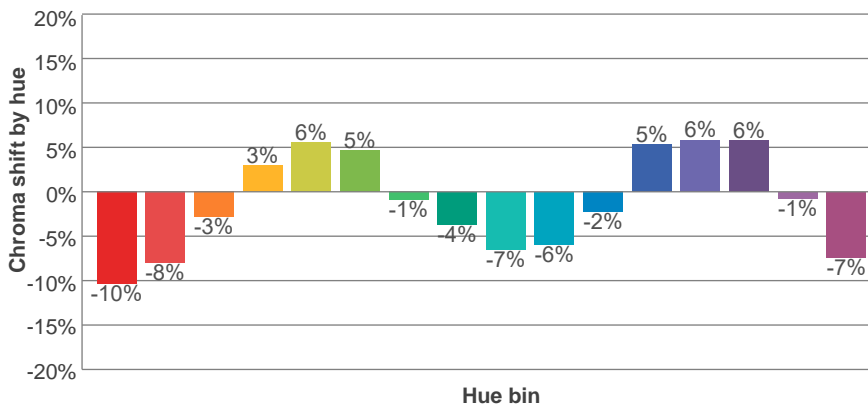
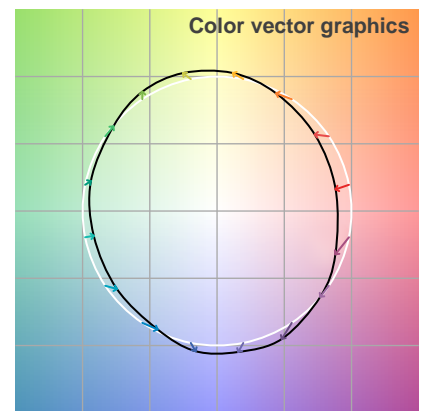
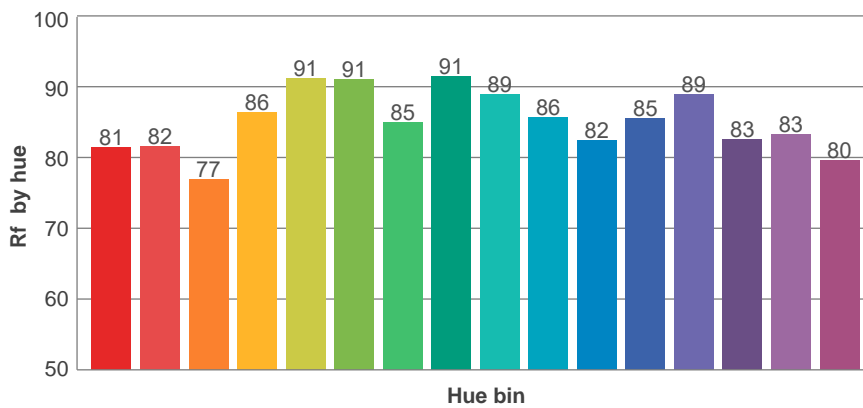
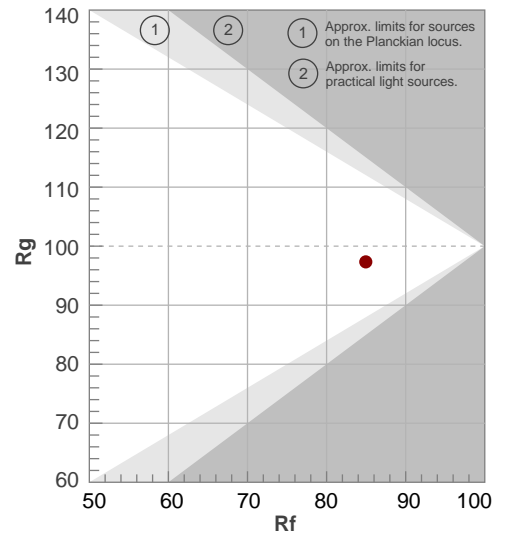
Rf 85.0

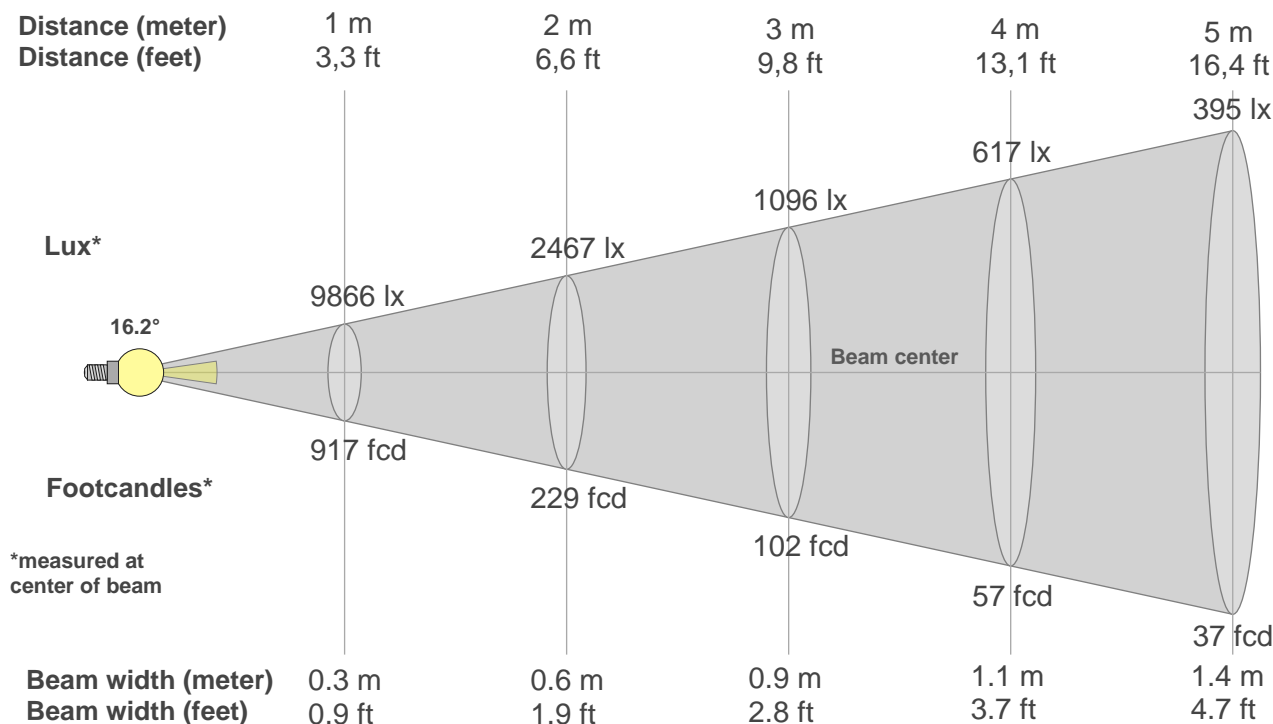
Fidelity index Rf

Rg 97.3

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	81	-10%	-1%
2	82	-8%	7%
3	77	-3%	12%
4	86	3%	9%
5	91	6%	5%
6	91	5%	-3%
7	85	-1%	-10%
8	91	-4%	-4%
9	89	-7%	0%
10	86	-6%	7%
11	82	-2%	12%
12	85	5%	5%
13	89	6%	-5%
14	83	6%	-13%
15	83	-1%	-10%
16	80	-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
9866lx	2467lx	1096lx	617lx	395lx	274lx	201lx	154lx	122lx	99lx	82lx	69lx	58lx	50lx	44lx	39lx	34lx	30lx	27lx	25lx
916.6fcd	229.2fcd	101.8fcd	57.3fcd	36.7fcd	25.5fcd	18.7fcd	14.3fcd	11.3fcd	9.2fcd	7.6fcd	6.4fcd	5.4fcd	4.7fcd	4.1fcd	3.6fcd	3.2fcd	2.8fcd	2.5fcd	2.3fcd

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°
9866	9816	9615	9251	8677	7897	6958	5969	5035	4226	3560	3007	2529	2093	1694	1335	1041	810	627	485
100%	99%	97%	94%	88%	80%	71%	60%	51%	43%	36%	30%	26%	21%	17%	14%	11%	8%	6%	5%

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°
9866	9824	9652	9294	8703	7890	6938	5956	5026	4208	3530	2975	2505	2084	1699	1347	1051	817	633	492
100%	100%	98%	94%	88%	80%	70%	60%	51%	43%	36%	30%	25%	21%	17%	14%	11%	8%	6%	5%

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°
9866	9813	9633	9260	8665	7857	6923	5943	5030	4237	3565	3011	2552	2136	1750	1395	1083	828	630	480
100%	99%	98%	94%	88%	80%	70%	60%	51%	43%	36%	31%	26%	22%	18%	14%	11%	8%	6%	5%

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°
9866	9782	9587	9246	8692	7916	6992	5998	5028	4179	3479	2918	2461	2057	1678	1332	1023	770	577	435
100%	99%	97%	94%	88%	80%	71%	61%	51%	42%	35%	30%	25%	21%	17%	13%	10%	8%	6%	4%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
16.2°	32.4°	42.8°	99.7%	99.5%