

Light efficiency:

33 Lumen/Watt

Light quality:

CRI: 82.9

Color temperature:

2860 K

Output: 999 lm

Peak: 7488 cd

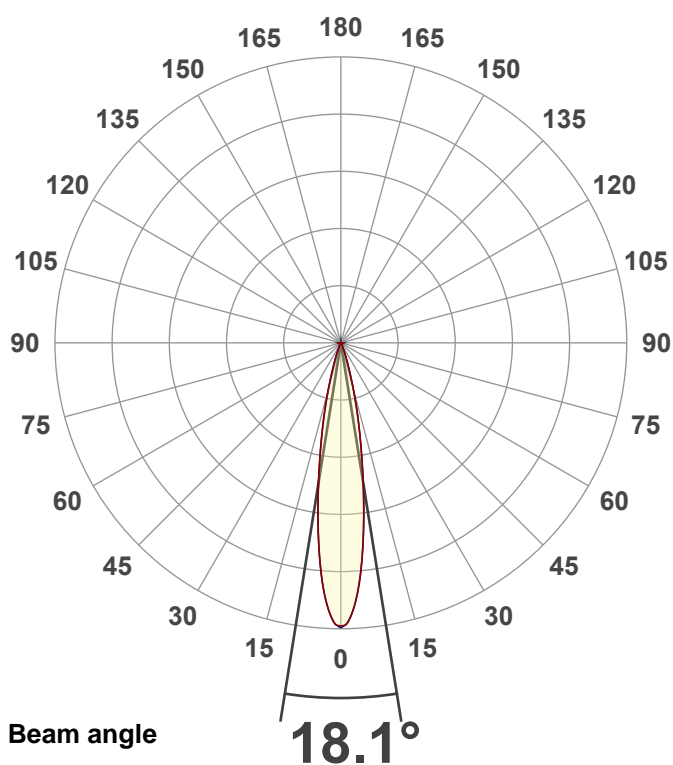
Power: 30.0 W

PF: 0.98



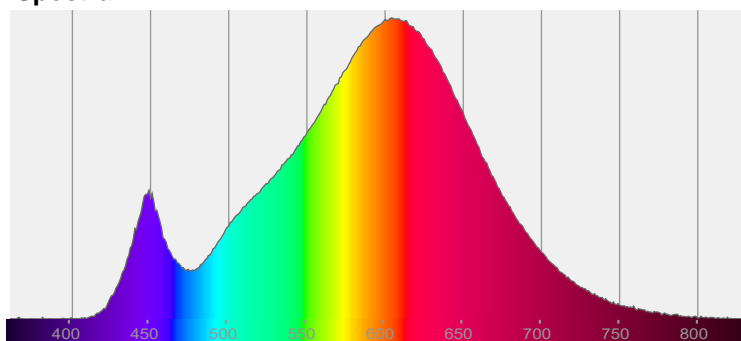
NU3-RDDR-XTM09-16LM-30K-83-15D-SBL-WH

Date and time:
4/11/2022 3:10:39 PM



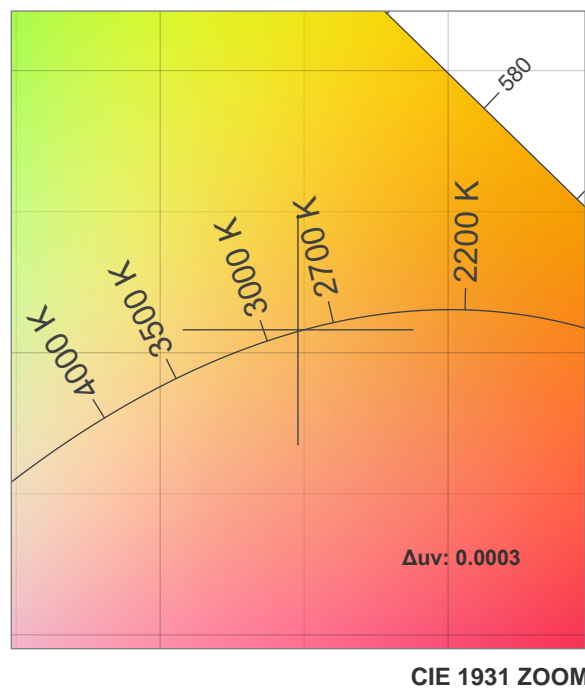
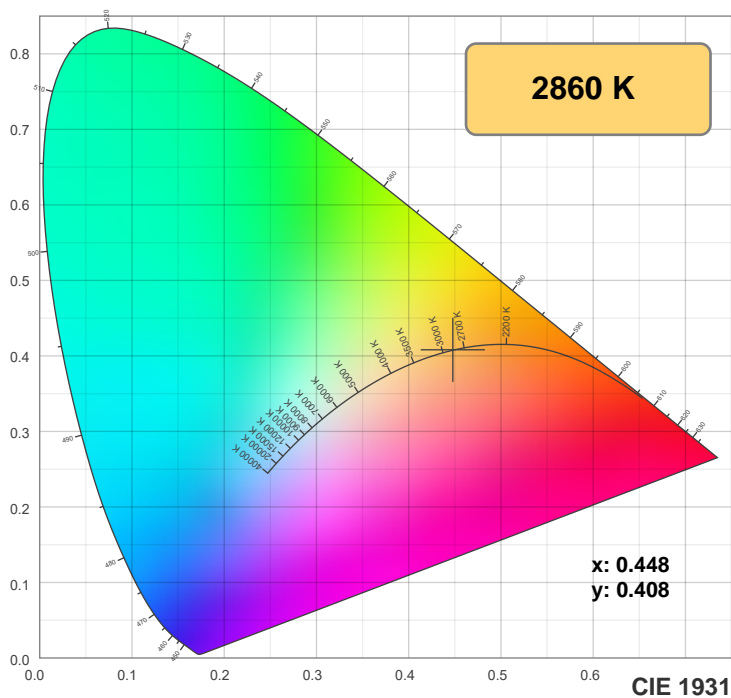
CIE 1931
x: 0.448
y: 0.408

Spectra

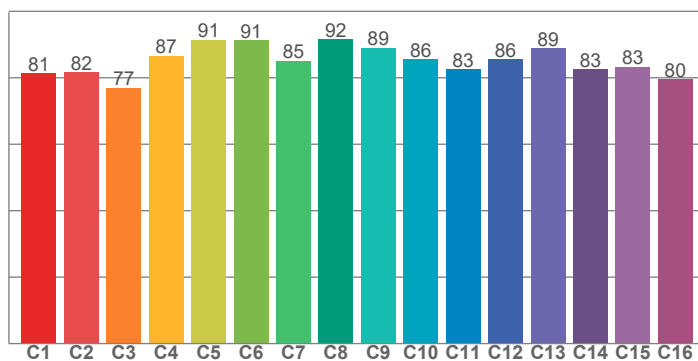


Power

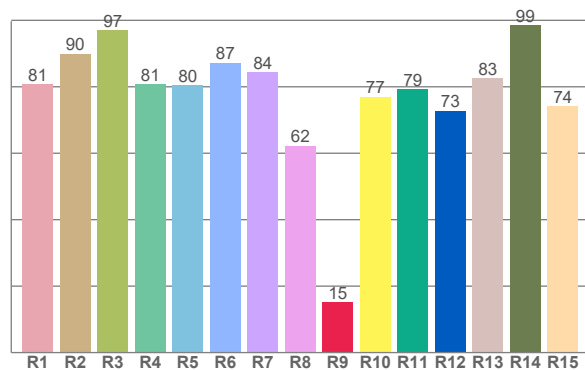
Voltage: 122 V
Current: 0.245 A
Frequency: 0 Hz



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	80.8	80.5	87.2	84.5	62.2	15.2	77.0	79.2	72.8	82.5	98.5	74.2

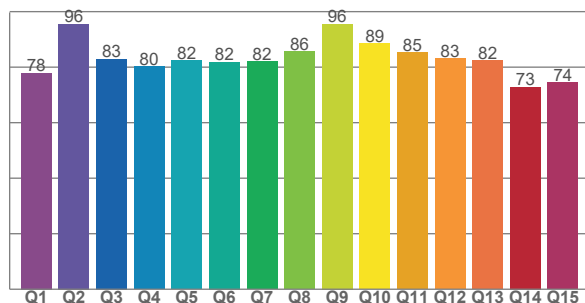
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
81.3	81.6	77.0	86.6	91.4	91.3	85.0	91.5	88.9	85.6	82.5	85.6	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
77.9	95.5	82.9	80.2	82.3	81.9	82.0	85.6	95.6	88.5	85.3	83.1	82.4	72.9	74.4

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
2860 K	82.9	15.2	85.0	97.2	82.2	0.448	0.408	0.256	0.350	0.0003

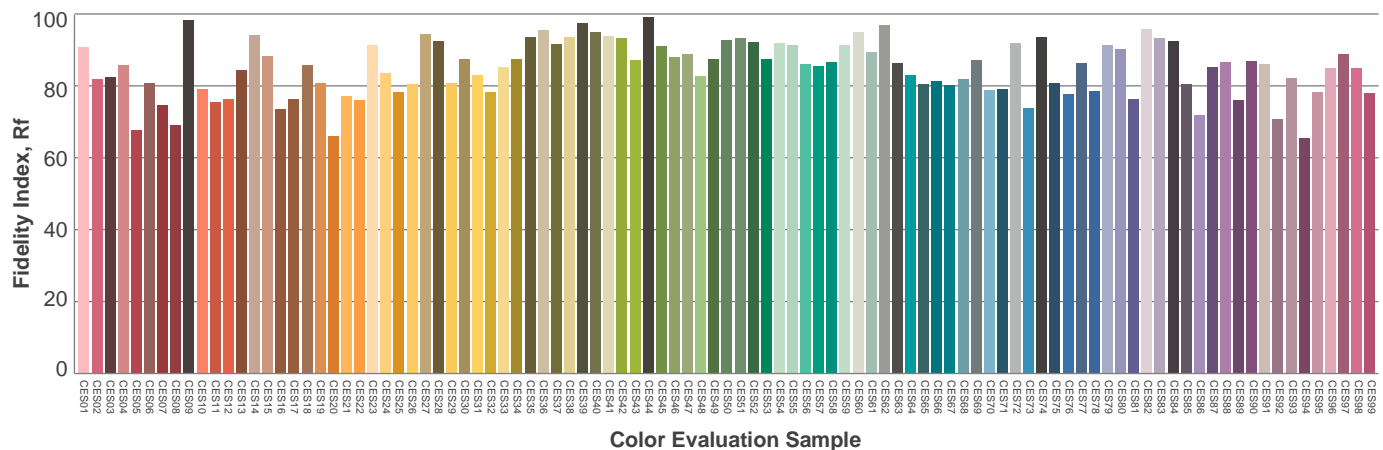
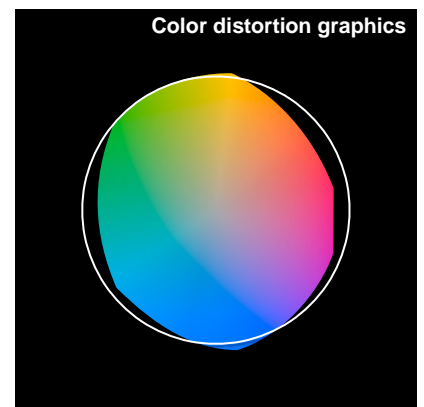
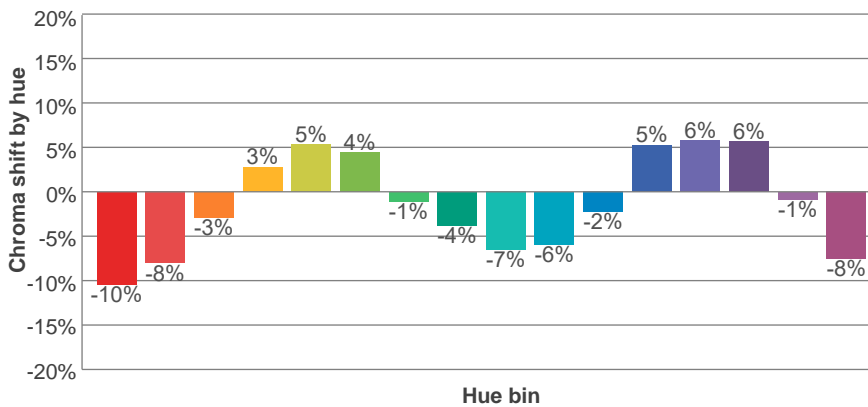
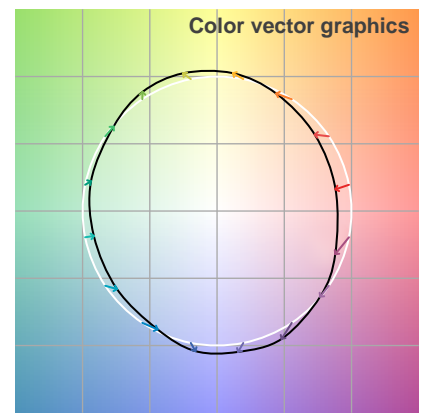
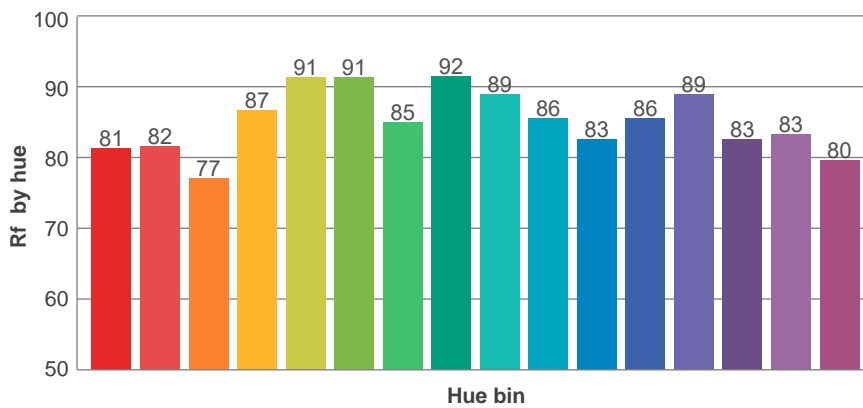
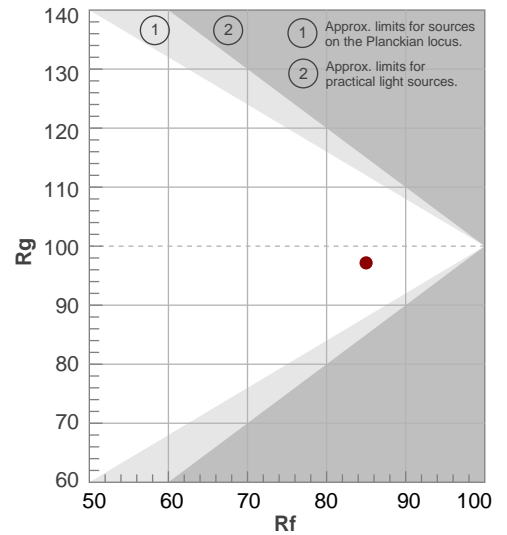
Rf 85.0

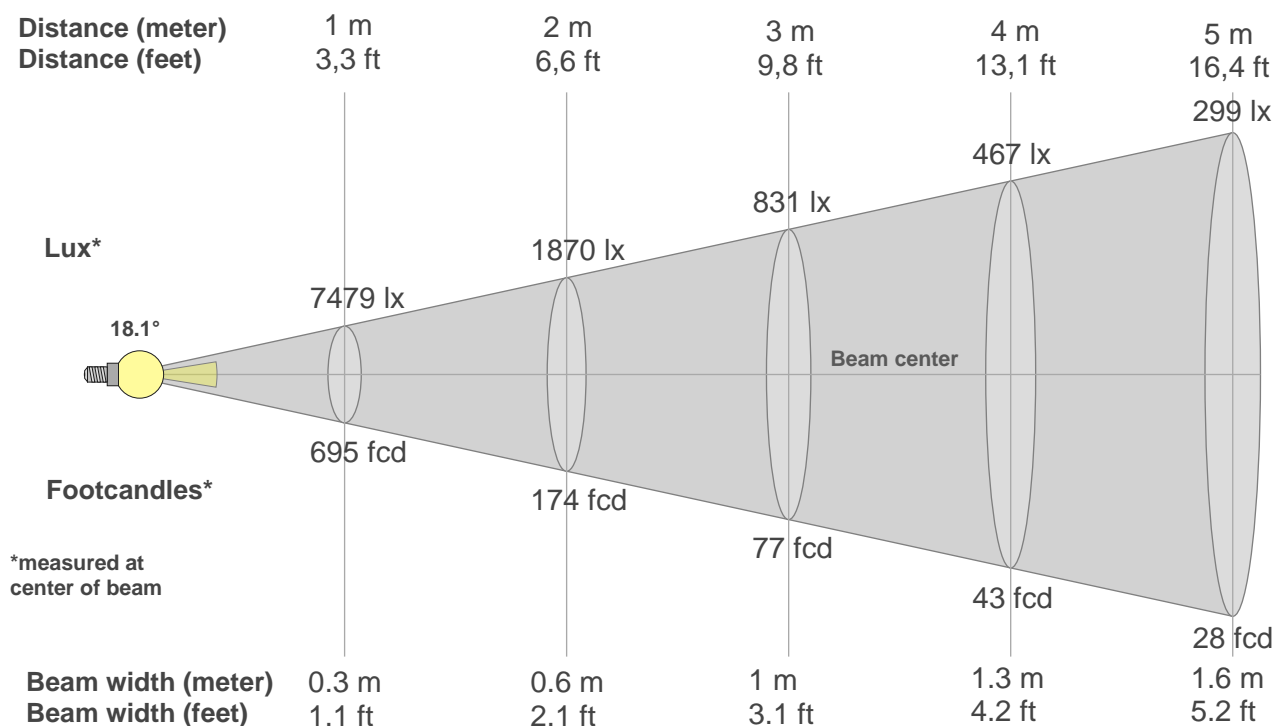
Fidelity index Rf

Rg 97.2

Gamut index Rg

Hue Bin	R _f	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	83	-2%	12%
12	86	5%	5%
13	89	6%	-5%
14	83	6%	-13%
15	83	-1%	-10%
16	80	-8%	-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
7479lx	1870lx	831lx	467lx	299lx	208lx	153lx	117lx	92lx	75lx	62lx	52lx	44lx	38lx	33lx	29lx	26lx	23lx	21lx	19lx
694.9fc	173.7fc	77.2fc	43.4fc	27.8fc	19.3fc	14.2fc	10.9fc	8.6fc	6.9fc	5.7fc	4.8fc	4.1fc	3.5fc	3.1fc	2.7fc	2.4fc	2.1fc	1.9fc	1.7fc

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°
7479	7421	7229	6922	6522	6037	5490	4916	4338	3781	3255	2778	2349	1962	1606	1282	1007	779	603	467
100%	99%	97%	93%	87%	81%	73%	66%	58%	51%	44%	37%	31%	26%	21%	17%	13%	10%	8%	6%

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°
7479	7414	7216	6907	6506	6023	5479	4902	4321	3758	3233	2760	2341	1957	1601	1278	995	767	589	454
100%	99%	96%	92%	87%	81%	73%	66%	58%	50%	43%	37%	31%	26%	21%	17%	13%	10%	8%	6%

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°
7479	7421	7229	6922	6522	6037	5490	4916	4338	3781	3255	2778	2349	1962	1606	1282	1007	779	603	467
100%	99%	97%	93%	87%	81%	73%	66%	58%	51%	44%	37%	31%	26%	21%	17%	13%	10%	8%	6%

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°
7479	7414	7216	6907	6506	6023	5479	4902	4321	3758	3233	2760	2341	1957	1601	1278	995	767	589	454
100%	99%	96%	92%	87%	81%	73%	66%	58%	50%	43%	37%	31%	26%	21%	17%	13%	10%	8%	6%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18.1°	34.3°	44.4°	97.3%	94.2%