

Light efficiency:

39 Lumen/Watt

Light quality:

CRI: 83.1

Color temperature:

2903 K

Output: 1183 lm

Peak: 3988 cd

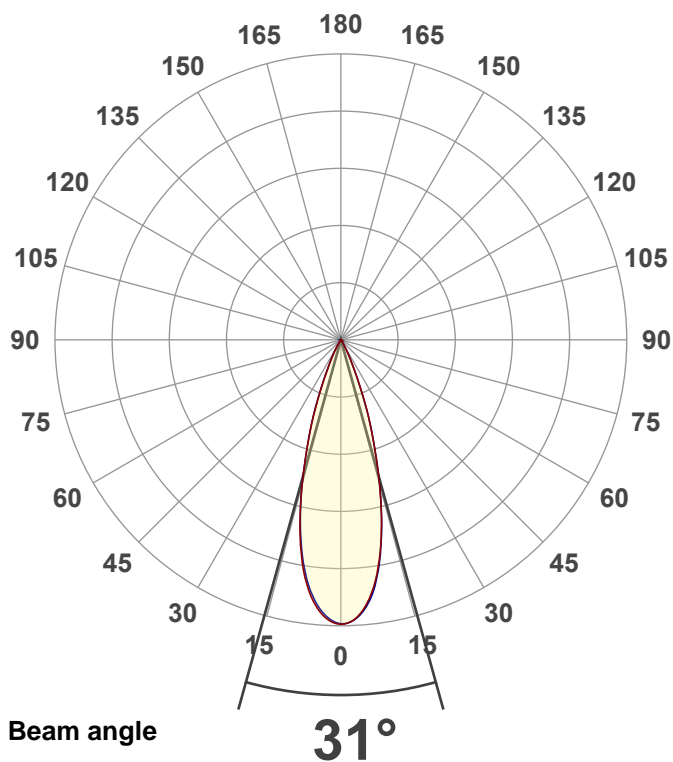
Power: 30.0 W

PF: 0.98



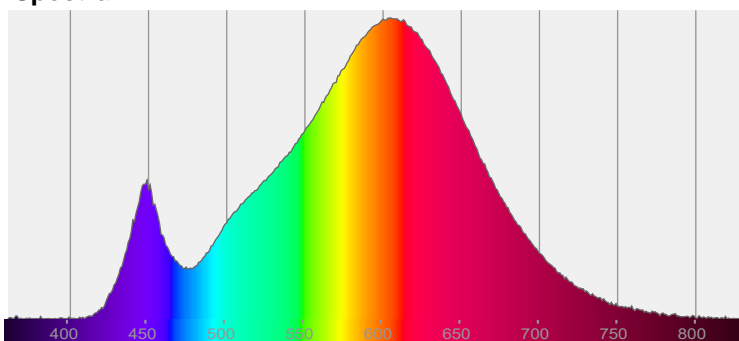
NU3-RDDR-XTM09-16LM-30K-83-30D-NL-WH

Date and time:
4/8/2022 2:11:09 PM



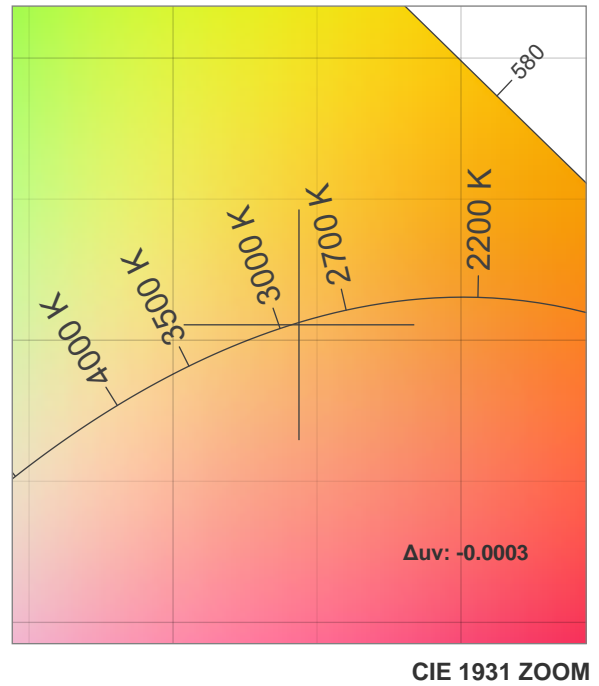
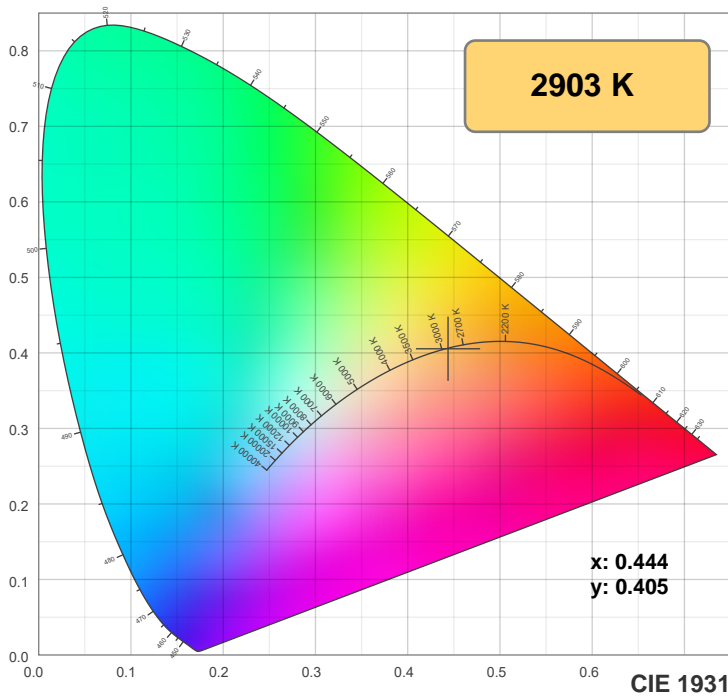
CIE 1931
x: 0.444
y: 0.405

Spectra

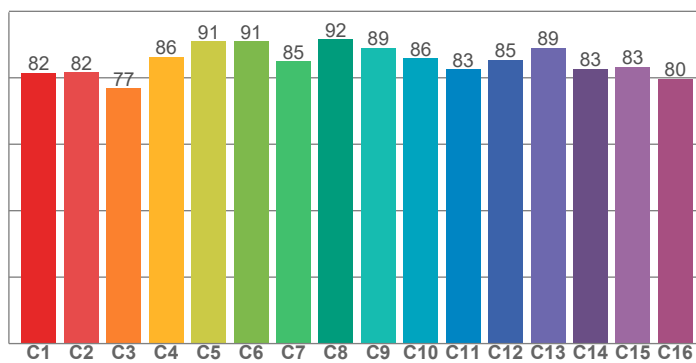


Power

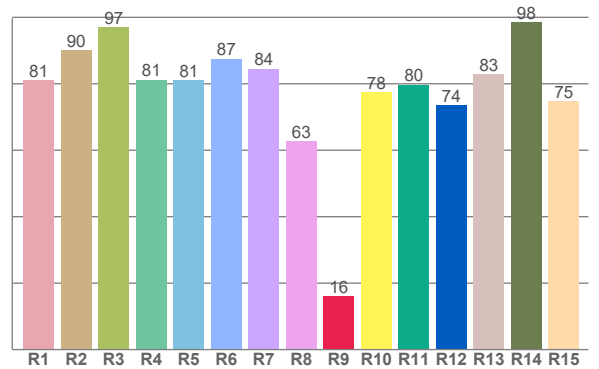
Voltage: 121 V
Current: 0.248 A
Frequency: 0 Hz



TM30: 85.0



CRI: 83.1 (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
81.1	90.1	97.0	81.2	81.0	87.5	84.5	62.7	16.0	77.5	79.7	73.5	82.9	98.5	74.7

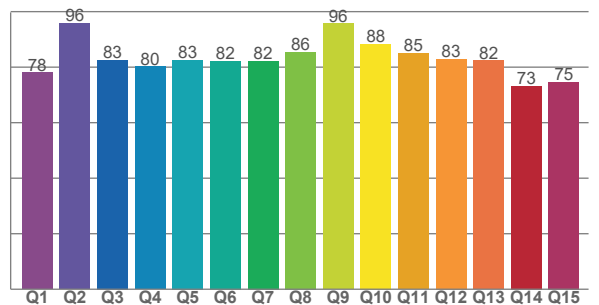
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
81.6	81.7	76.8	86.3	91.0	90.9	84.9	91.5	89.1	85.8	82.5	85.5	88.9	82.7	83.4	79.6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
78.1	95.8	82.6	80.2	82.6	82.1	82.1	85.5	95.7	88.3	85.0	82.9	82.4	73.2	74.7

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
2903 K	83.1	16.0	85.0	97.5	82.2	0.444	0.405	0.254	0.349	-0.0003

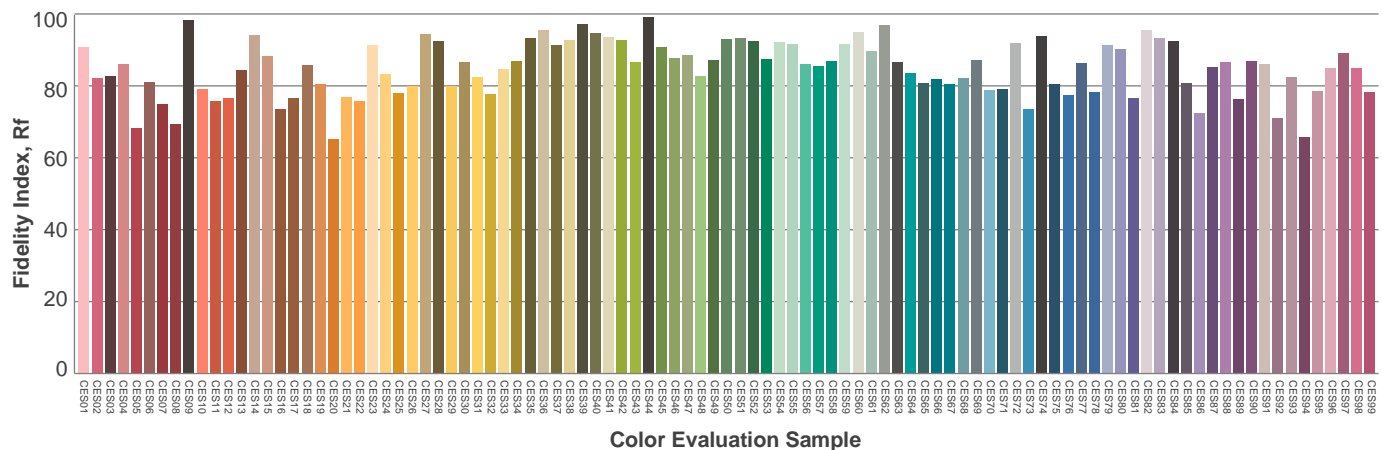
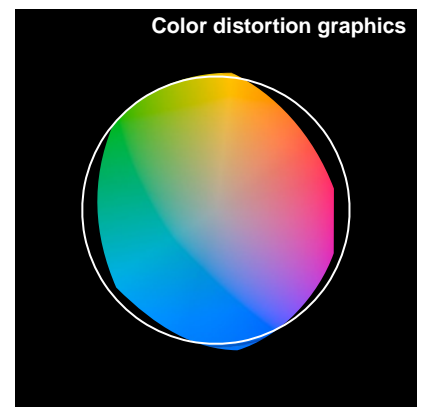
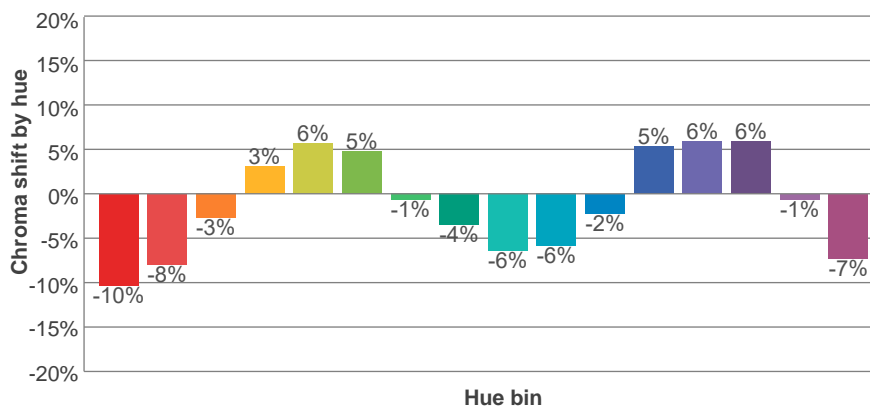
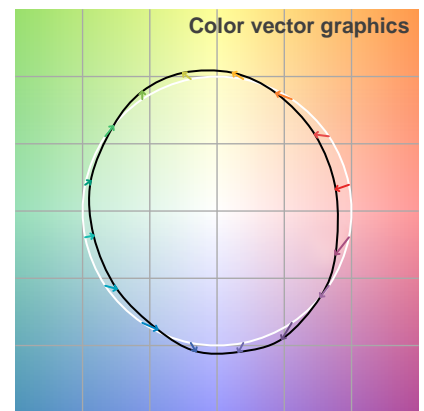
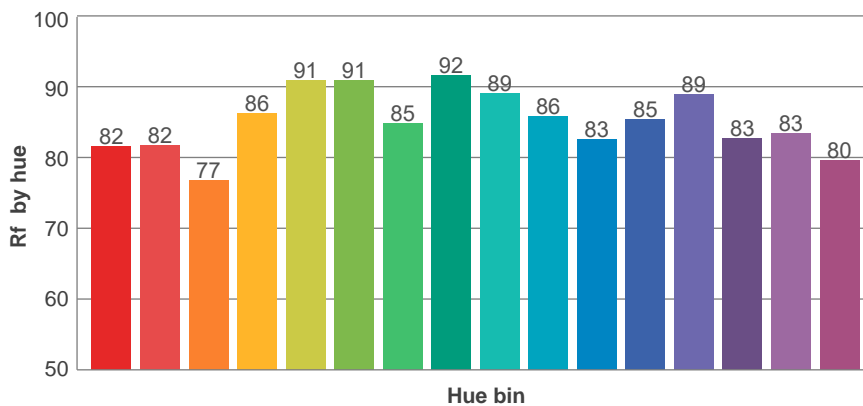
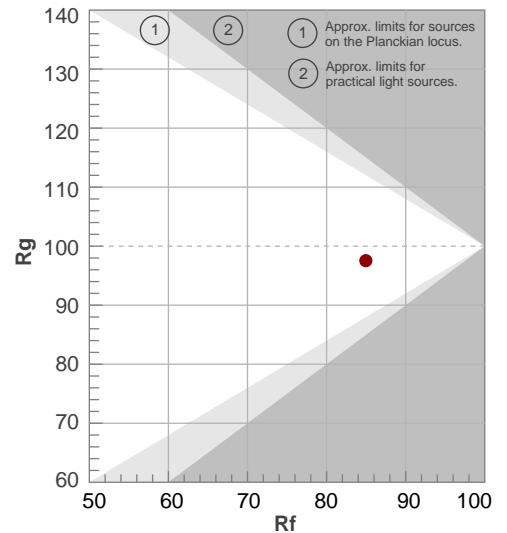
Rf 85.0

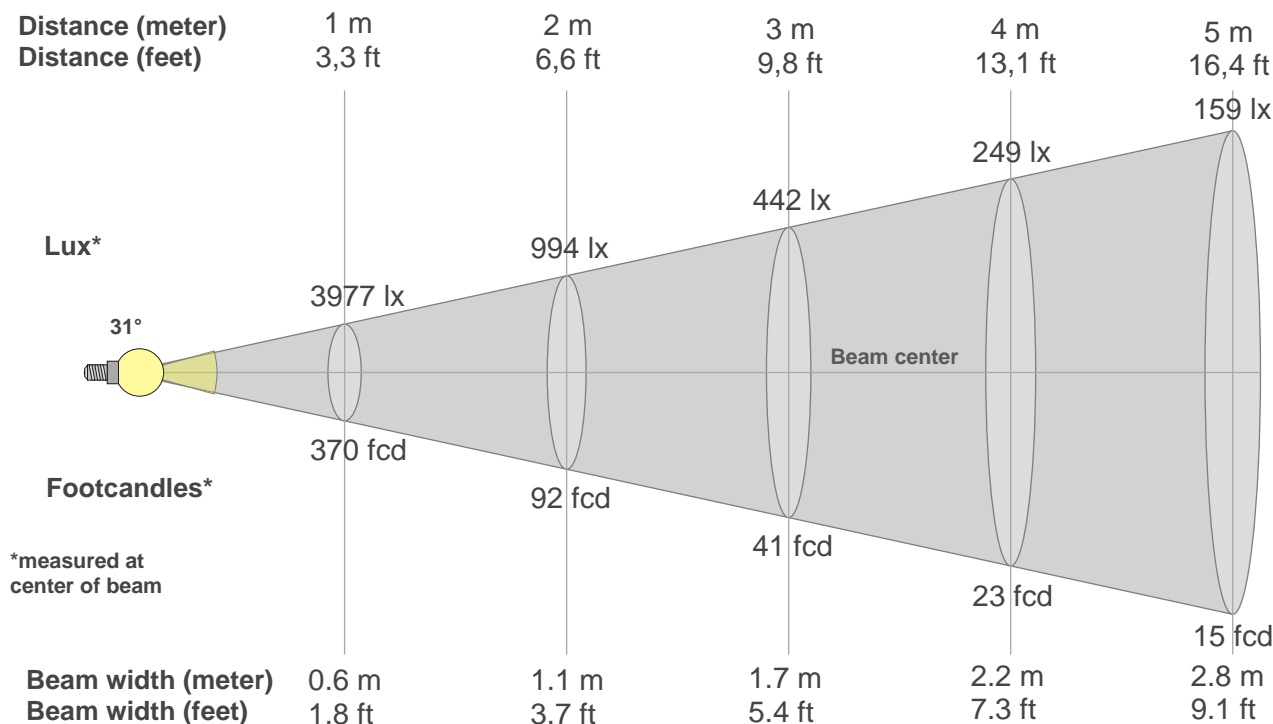
Fidelity index Rf

Rg 97.5

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	82	-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	92	-4%	-4%
9	89	-6%	0%
10	86	-6%	7%
11	83	-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
3977lx	994lx	442lx	249lx	159lx	110lx	81lx	62lx	49lx	40lx	33lx	28lx	24lx	20lx	18lx	16lx	14lx	12lx	11lx	10lx
369.5fcd	92.4fcd	41.1fcd	23.1fcd	14.8fcd	10.3fcd	7.5fcd	5.8fcd	4.6fcd	3.7fcd	3.1fcd	2.6fcd	2.2fcd	1.9fcd	1.6fcd	1.4fcd	1.3fcd	1.1fcd	1fcd	0.9fcd

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°
3977	3942	3840	3671	3431	3105	2728	2314	1882	1458	1110	776	502	311	195	112	62	36	27	25
100%	99%	97%	92%	86%	78%	69%	58%	47%	37%	28%	20%	13%	8%	5%	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°
3977	3950	3854	3691	3454	3134	2742	2313	1879	1469	1101	740	481	306	188	103	52	33	26	25
100%	99%	97%	93%	87%	79%	69%	58%	47%	37%	28%	19%	12%	8%	5%	3%	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°
3977	3949	3847	3675	3438	3130	2753	2324	1876	1470	1099	758	483	325	209	124	63	31	26	24
100%	99%	97%	92%	86%	79%	69%	58%	47%	37%	28%	19%	12%	8%	5%	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°
3977	3921	3805	3631	3394	3092	2717	2306	1880	1472	1117	784	520	337	218	131	72	40	27	24
100%	99%	96%	91%	85%	78%	68%	58%	47%	37%	28%	20%	13%	8%	5%	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
31°	50°	61.1°	98.4%	96.6%