

Light efficiency:

37 Lumen/Watt

Light quality:

CRI: 83.0

Color temperature:

2887 K

Output: 1111 lm

Peak: 3600 cd

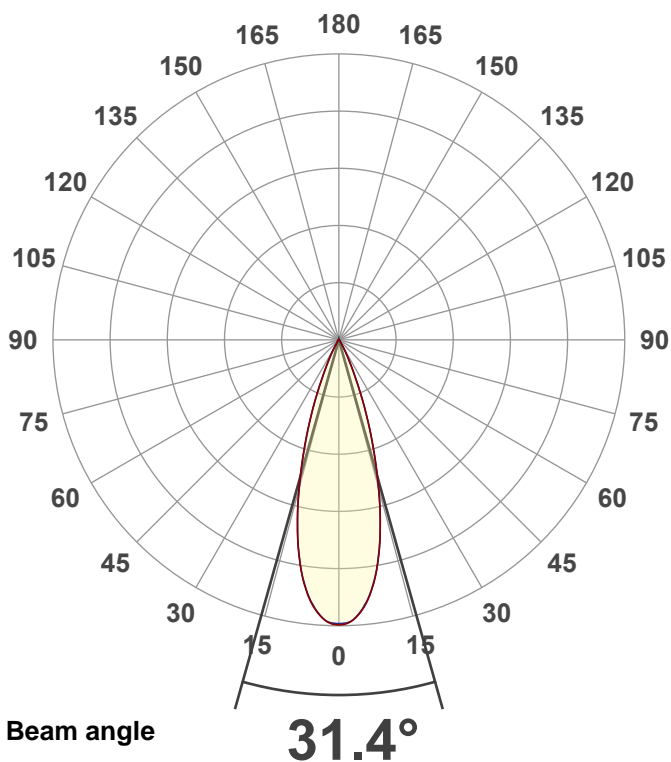
Power: 30.0 W

PF: 0.98



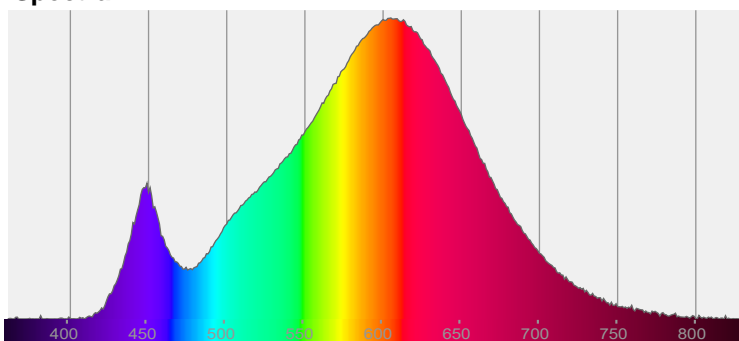
NU3-RDDR-XTM09-16LM-30K-83-30D-SBL-WH

Date and time:
4/11/2022 3:31:17 PM



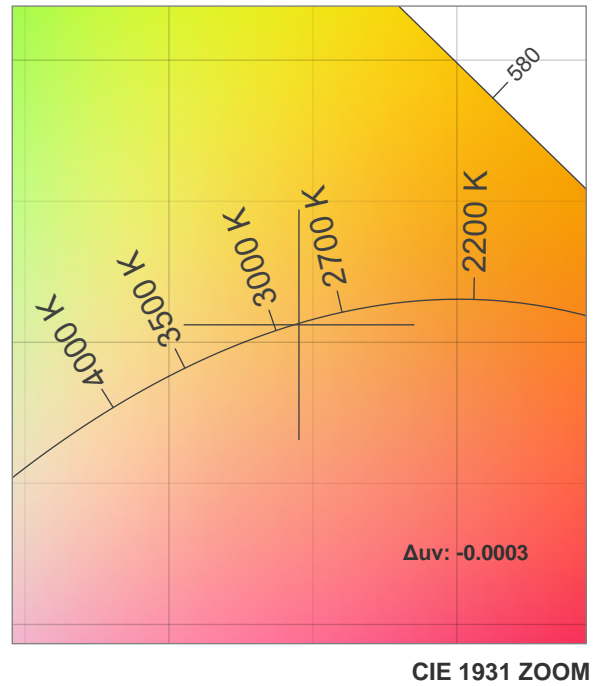
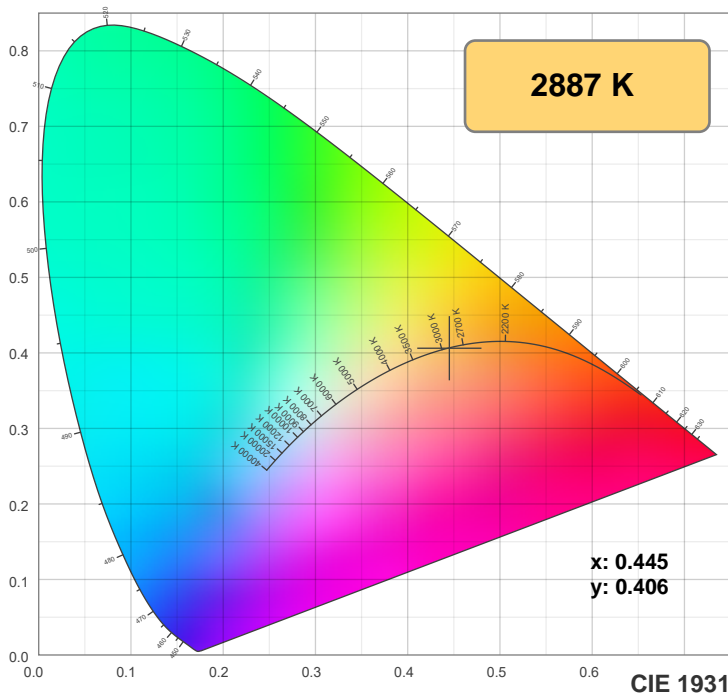
CIE 1931
x: 0.445
y: 0.406

Spectra

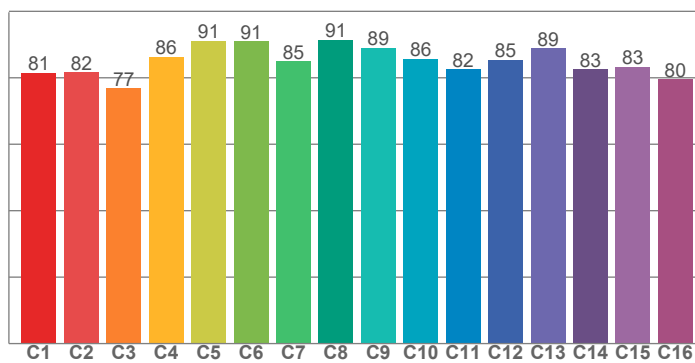


Power

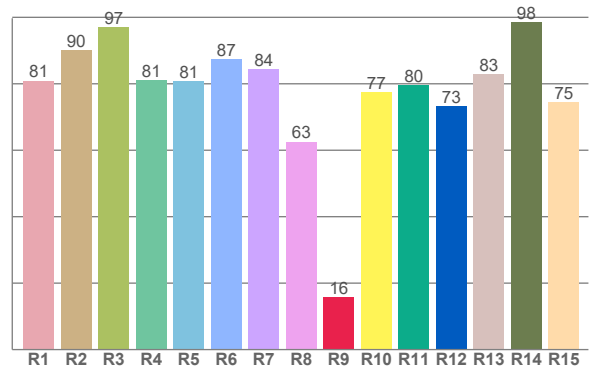
Voltage: 121 V
Current: 0.247 A
Frequency: 0 Hz



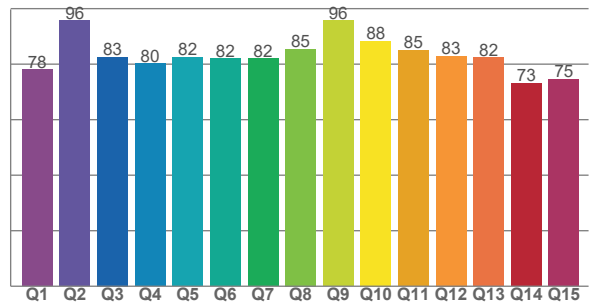
TM30: 84.9



CRI: 83.0 (R1-R8)



CQS: 82.1



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
81.0	90.1	97.0	81.1	80.8	87.4	84.4	62.5	15.7	77.4	79.5	73.3	82.8	98.5	74.5

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	76.8	86.3	91.0	91.0	84.9	91.5	89.0	85.7	82.5	85.4	88.9	82.6	83.3	79.5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
78.0	95.7	82.7	80.1	82.5	82.0	82.1	85.5	95.7	88.4	85.0	82.9	82.4	73.1	74.6

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
2887 K	83.0	15.7	84.9	97.4	82.1	0.445	0.406	0.255	0.349	-0.0003

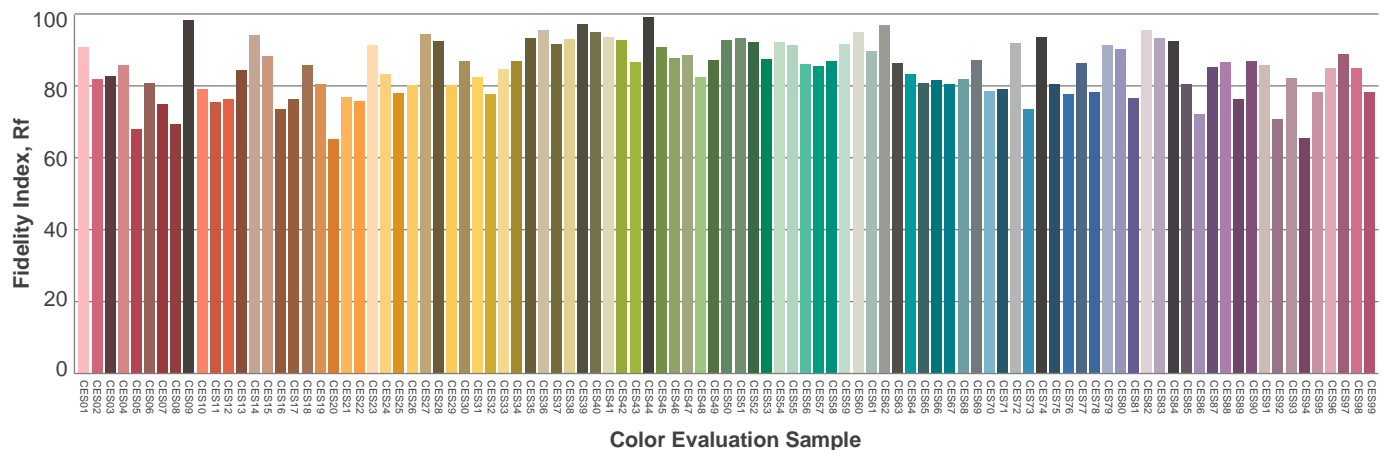
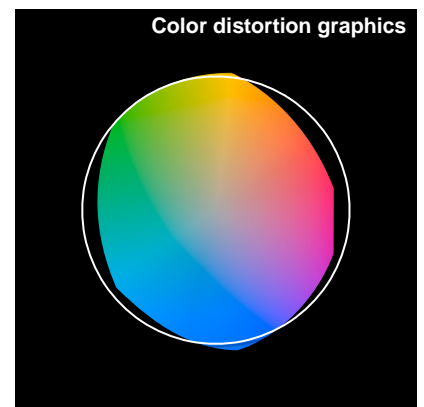
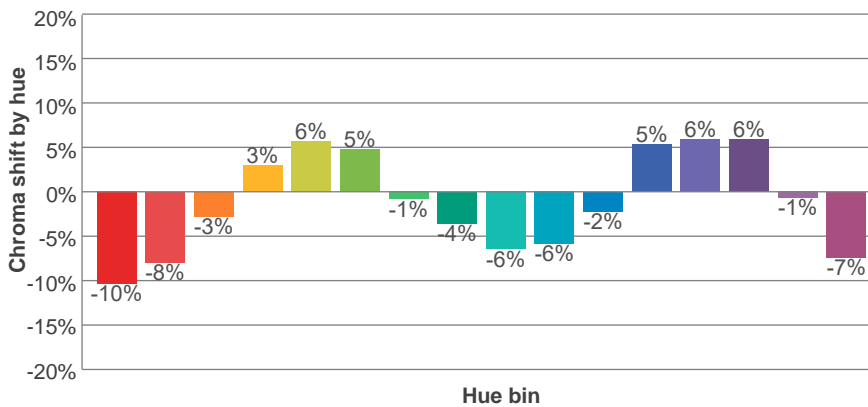
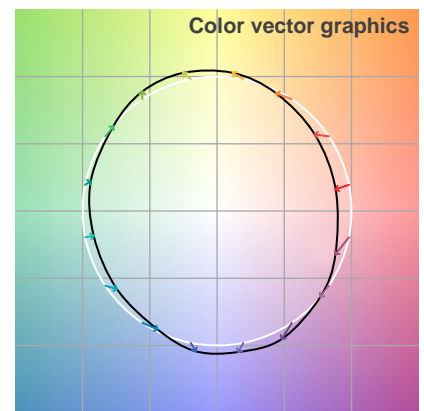
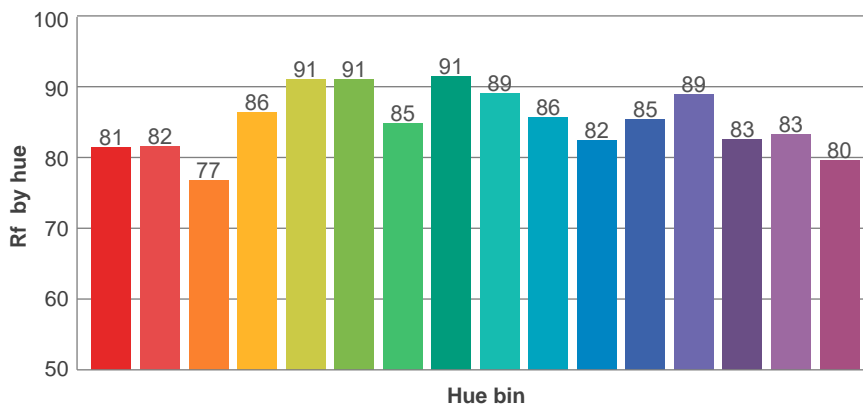
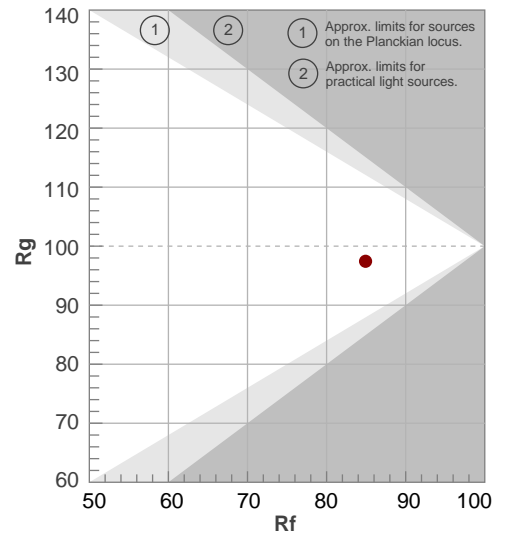
Rf 84.9

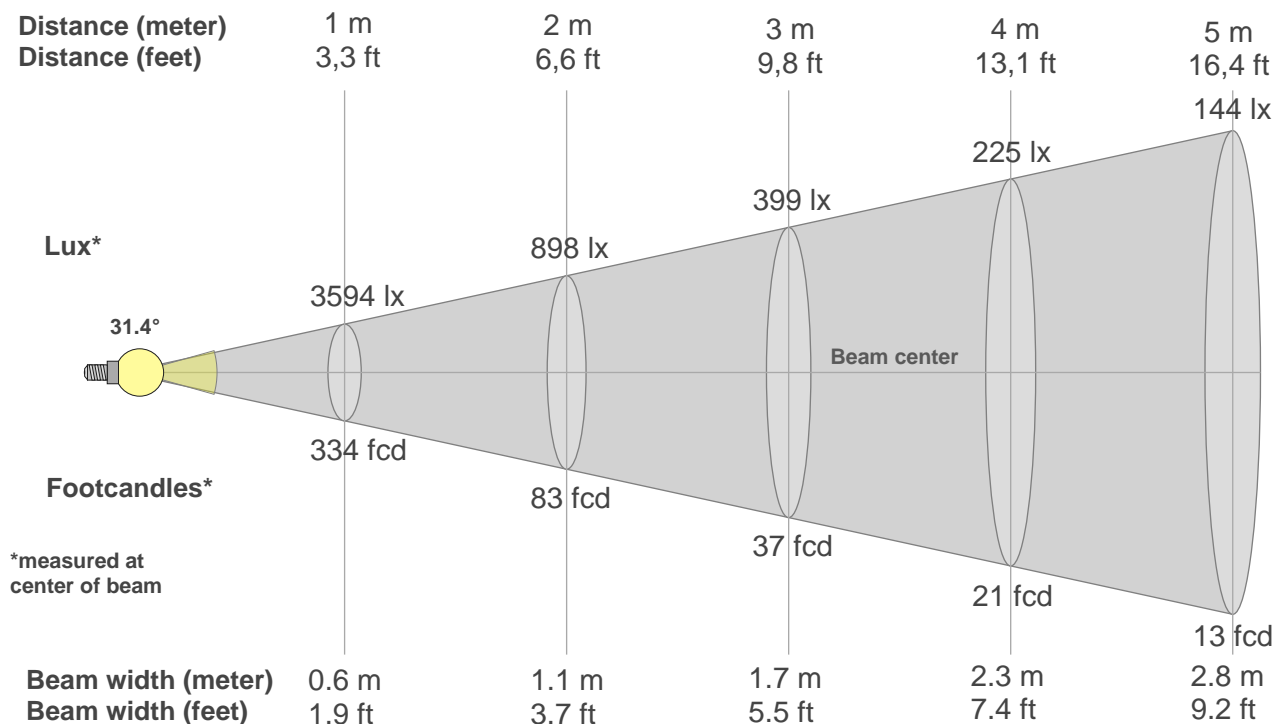
Fidelity index Rf

Rg 97.4

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	-6%	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
3594lx	898lx	399lx	225lx	144lx	100lx	73lx	56lx	44lx	36lx	30lx	25lx	21lx	18lx	16lx	14lx	12lx	11lx	10lx	9lx
333.9fcd	83.5fcd	37.1fcd	20.9fcd	13.4fcd	9.3fcd	6.8fcd	5.2fcd	4.1fcd	3.3fcd	2.8fcd	2.3fcd	2fcd	1.7fcd	1.5fcd	1.3fcd	1.2fcd	1fcd	0.9fcd	0.8fcd

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°
3594	3568	3485	3335	3115	2836	2505	2138	1751	1388	1050	747	499	322	208	130	78	48	33	28
100%	99%	97%	93%	87%	79%	70%	59%	49%	39%	29%	21%	14%	9%	6%	4%	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°
3594	3567	3474	3319	3105	2831	2502	2131	1739	1372	1039	740	481	314	206	128	75	44	31	28
100%	99%	97%	92%	86%	79%	70%	59%	48%	38%	29%	21%	13%	9%	6%	4%	2%	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°
3594	3568	3485	3335	3115	2836	2505	2138	1751	1388	1050	747	499	322	208	130	78	48	33	28
100%	99%	97%	93%	87%	79%	70%	59%	49%	39%	29%	21%	14%	9%	6%	4%	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°
3594	3567	3474	3319	3105	2831	2502	2131	1739	1372	1039	740	481	314	206	128	75	44	31	28
100%	99%	97%	92%	86%	79%	70%	59%	48%	38%	29%	21%	13%	9%	6%	4%	2%	1%	1%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
31.4°	50.9°	62.5°	98.0%	96.0%