

Light efficiency:

91 Lumen/Watt

Light quality:

CRI: 81.6

Color temperature:

3051 K

Output: 2376 lm

Peak: 7886 cd

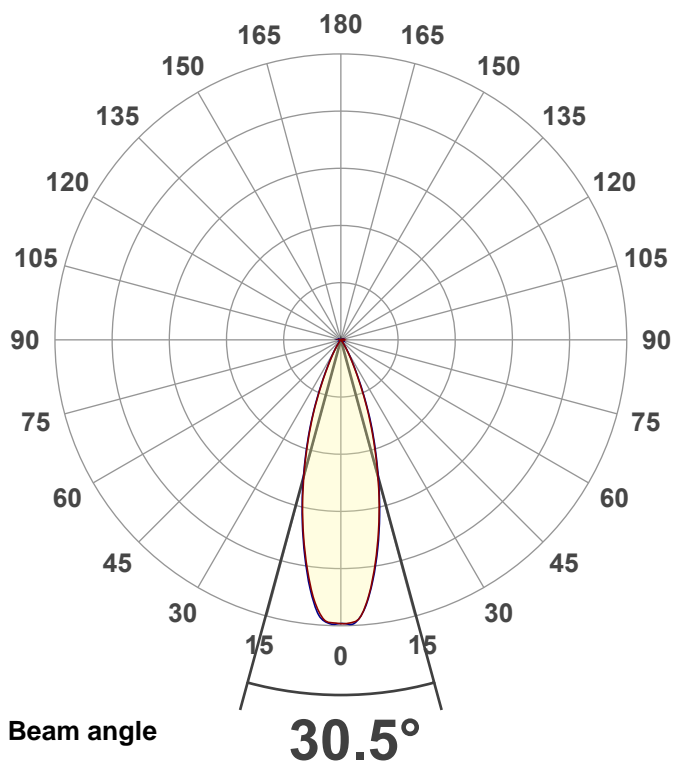
Power: 26.1 W

PF: 0.98



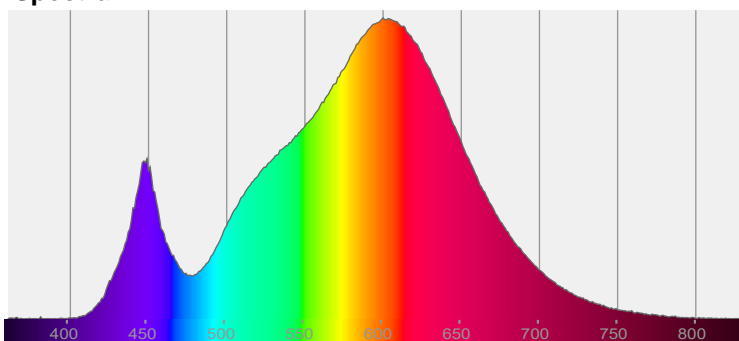
NU3-RDDR-SW-30LM-30K-80-30D-HET-SA

Date and time:
4/4/2022 10:34:16 AM



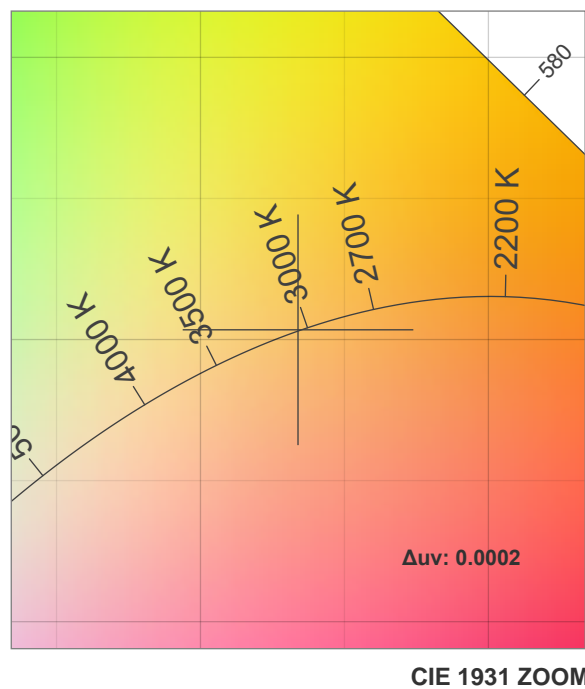
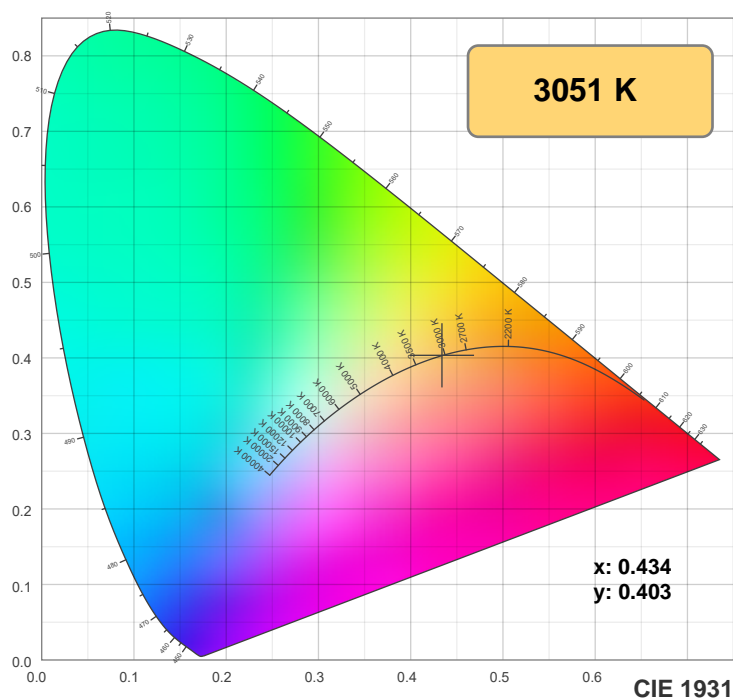
CIE 1931
x: 0.434
y: 0.403

Spectra

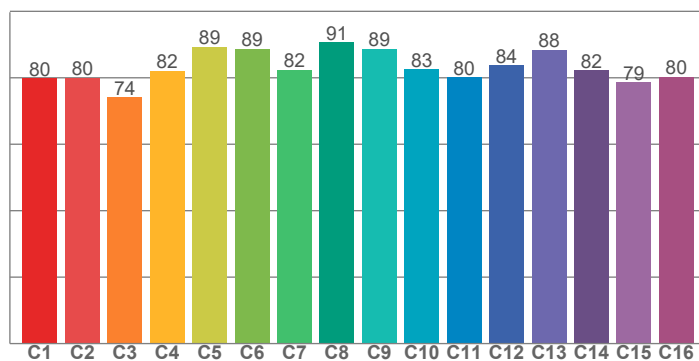


Power

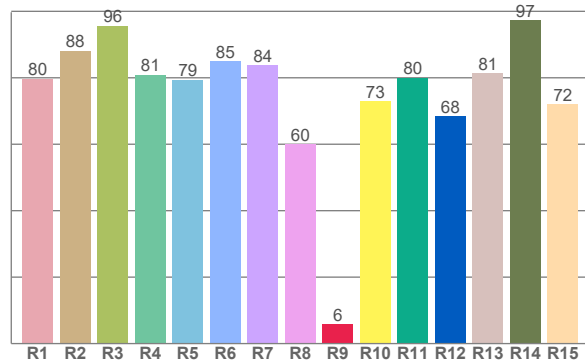
Voltage: 122 V
Current: 0.213 A
Frequency: 0 Hz



TM30: 83.1



CRI: 81.6 (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
79.7	88.2	95.6	80.9	79.4	85.0	83.8	60.0	5.9	72.9	80.0	68.5	81.4	97.4	72.0

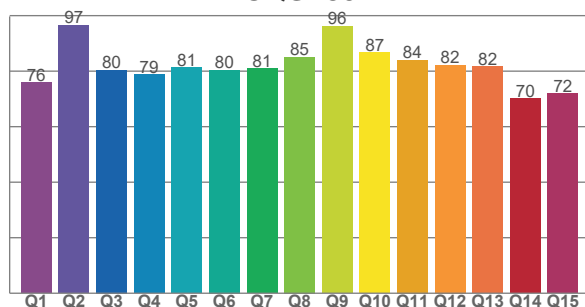
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
79.9	80.0	74.1	82.1	89.3	88.8	82.3	90.6	88.7	82.5	80.1	83.7	88.3	82.3	78.7	80.3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
75.9	96.5	80.4	78.7	81.3	80.4	80.9	85.1	96.2	86.6	84.0	82.2	81.6	70.1	71.9

CQS: 80.7



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
3051 K	81.6	5.9	83.1	97.9	80.7	0.434	0.403	0.249	0.347	0.0002

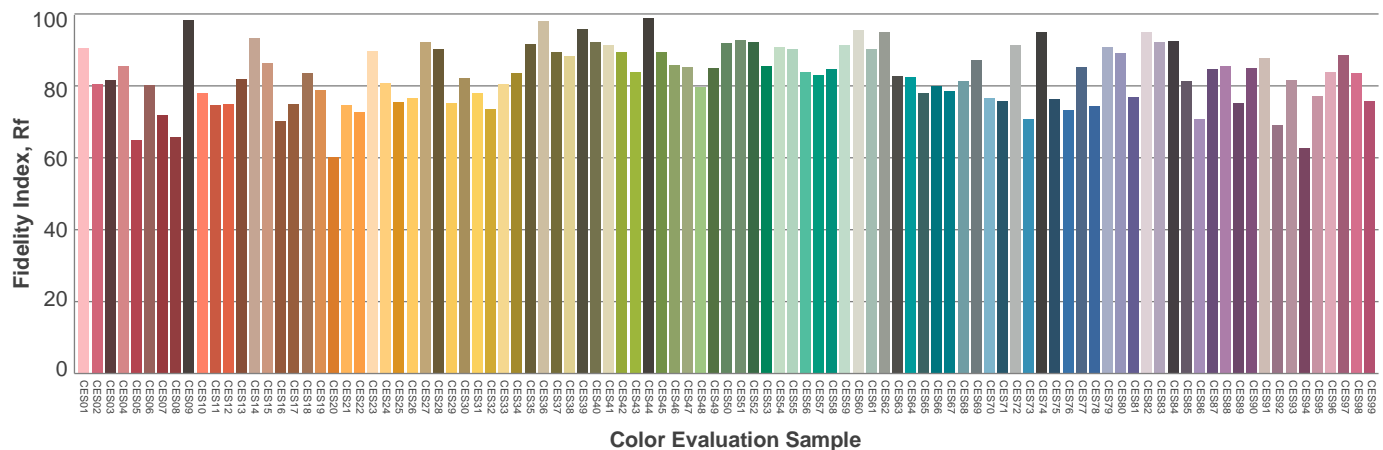
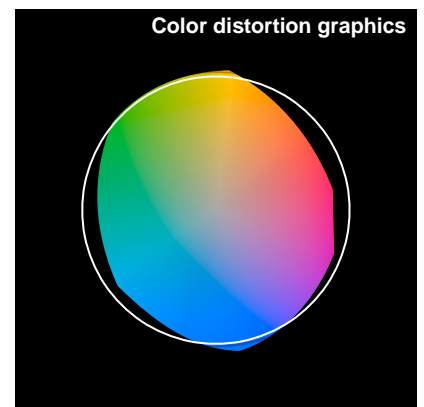
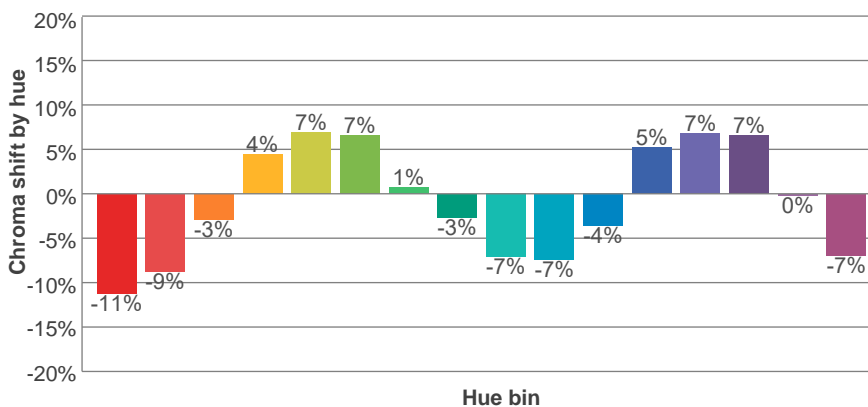
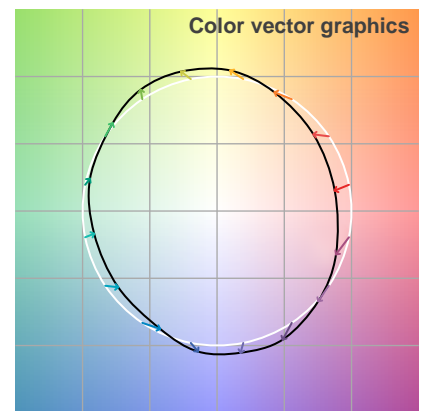
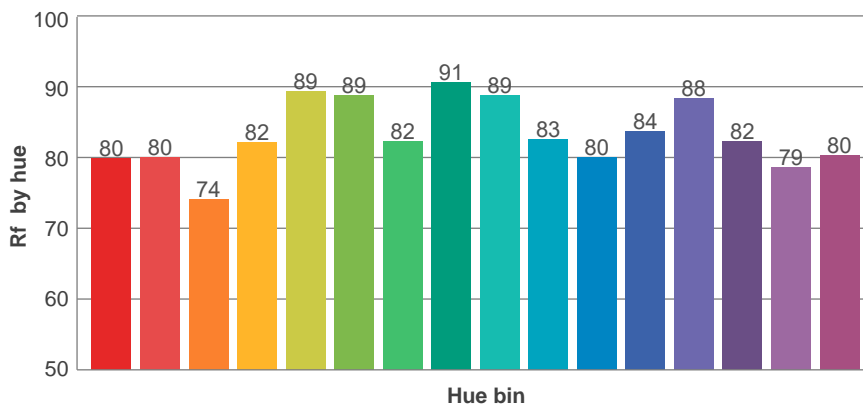
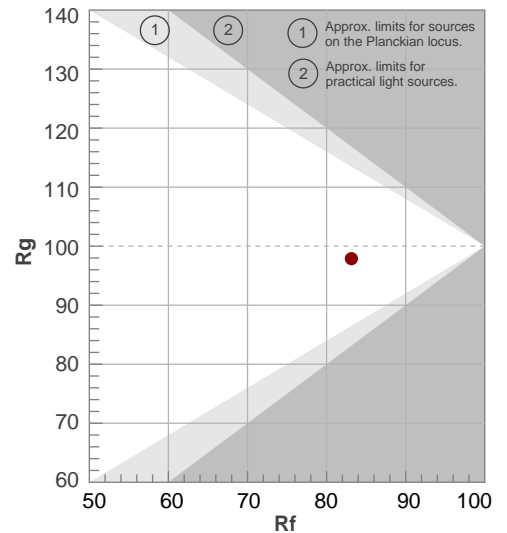
Rf 83.1

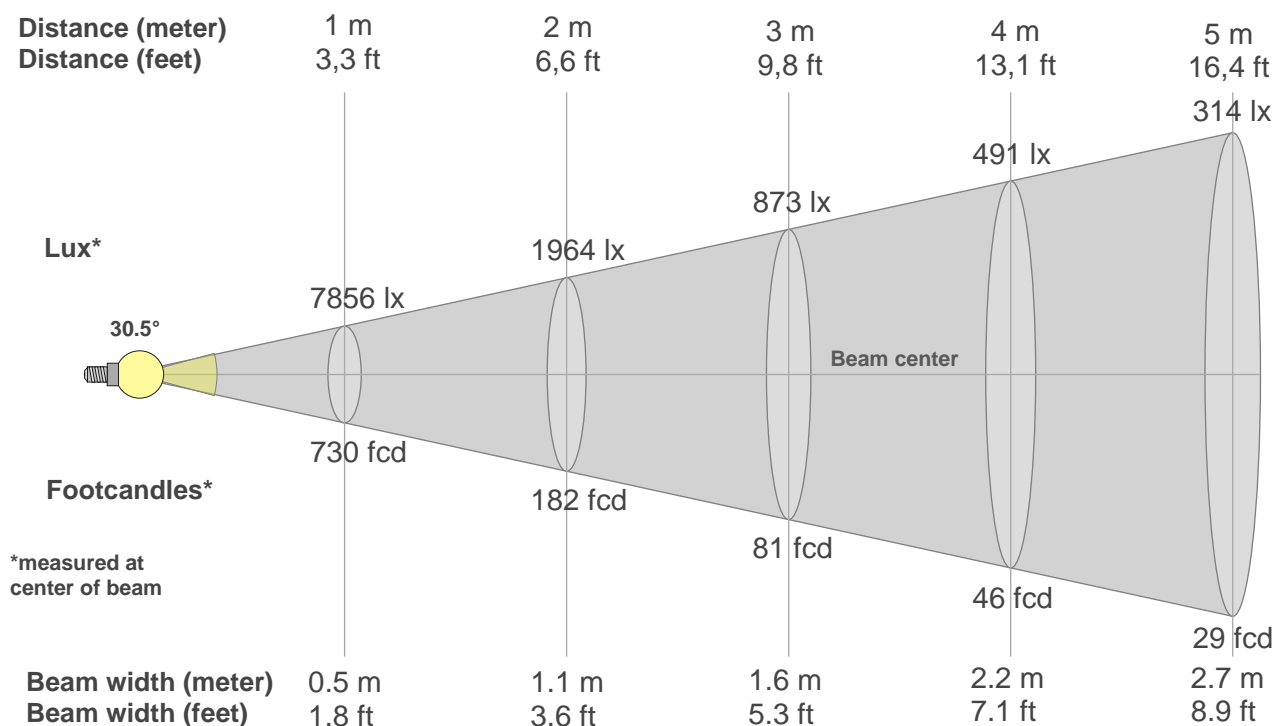
Fidelity index Rf

Rg 97.9

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	80	-11%	-2%
2	80	-9%	8%
3	74	-3%	14%
4	82	4%	11%
5	89	7%	6%
6	89	7%	-3%
7	82	1%	-11%
8	91	-3%	-5%
9	89	-7%	-1%
10	83	-7%	6%
11	80	-4%	13%
12	84	5%	7%
13	88	7%	-3%
14	82	7%	-13%
15	79	0%	-14%
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
7856lx	1964lx	873lx	491lx	314lx	218lx	160lx	123lx	97lx	79lx	65lx	55lx	46lx	40lx	35lx	31lx	27lx	24lx	22lx	20lx
729.8fc	182.5fc	81.1fc	45.6fc	29.2fc	20.3fc	14.9fc	11.4fc	9fc	7.3fc	6fc	5.1fc	4.3fc	3.7fc	3.2fc	2.9fc	2.5fc	2.3fc	2fc	1.8fc

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°
7856	7837	7704	7191	6530	5819	5091	4360	3629	2949	2324	1740	1228	840	577	391	254	155	88	53
100%	100%	98%	92%	83%	74%	65%	55%	46%	38%	30%	22%	16%	11%	7%	5%	3%	2%	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°
7856	7875	7662	7211	6588	5888	5156	4419	3700	3025	2408	1807	1299	907	618	409	257	157	93	56
100%	100%	98%	92%	84%	75%	66%	56%	47%	39%	31%	23%	17%	12%	8%	5%	3%	2%	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°
7856	7828	7657	7209	6538	5821	5092	4360	3637	2947	2330	1745	1244	853	575	385	253	155	90	54
100%	100%	97%	92%	83%	74%	65%	55%	46%	38%	30%	22%	16%	11%	7%	5%	3%	2%	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°
7856	7884	7719	7261	6616	5890	5150	4417	3695	3019	2391	1804	1279	904	633	434	286	179	103	64
100%	100%	98%	92%	84%	75%	66%	56%	47%	38%	30%	23%	16%	12%	8%	6%	4%	2%	1%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
30.5°	53.2°	66.4°	99.8%	99.5%