

Light efficiency:

85 Lumen/Watt

Light quality:

CRI: 81.5

Color temperature:

3042 K

Output: 2224 lm

Peak: 9280 cd

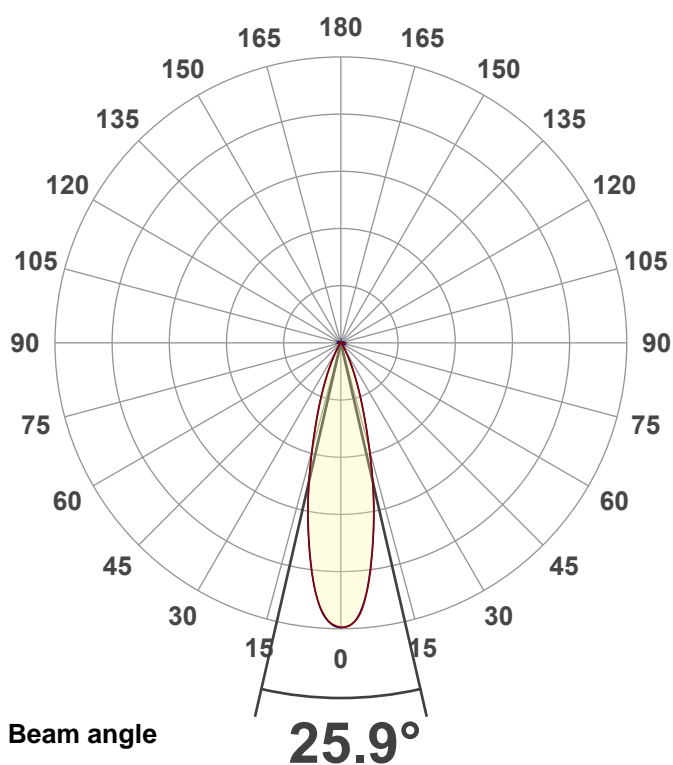
Power: 26.1 W

PF: 0.98



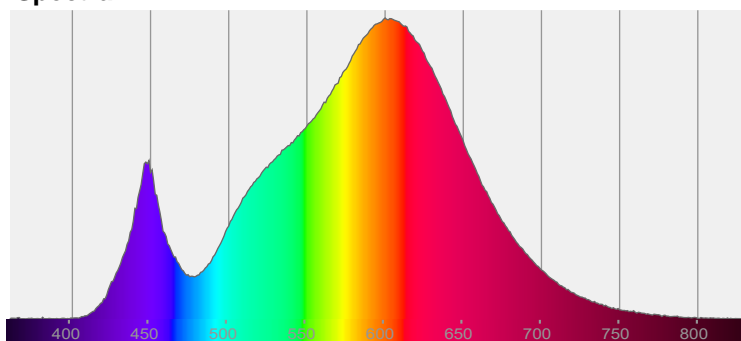
NU3-RDDR-SW-30LM-30K-80-25D-HET-SA

Date and time:
4/4/2022 10:46:57 AM



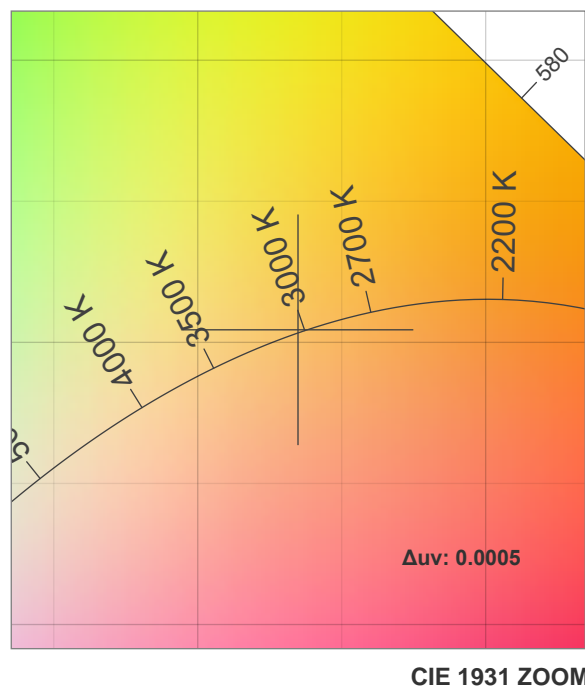
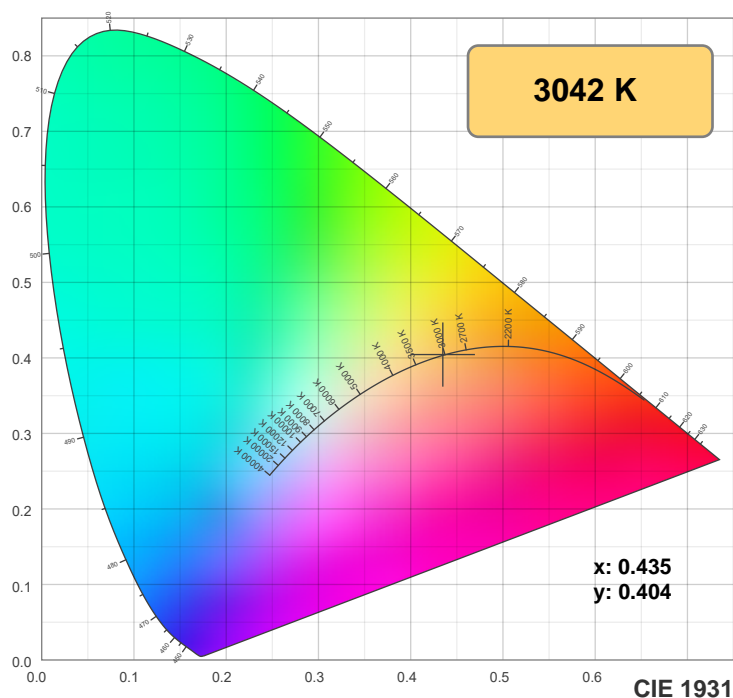
CIE 1931
x: 0.435
y: 0.404

Spectra

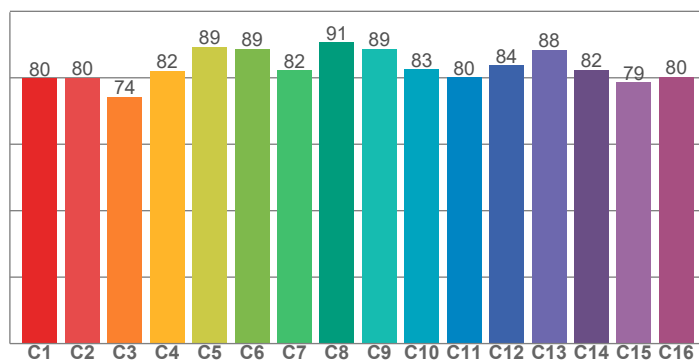


Power

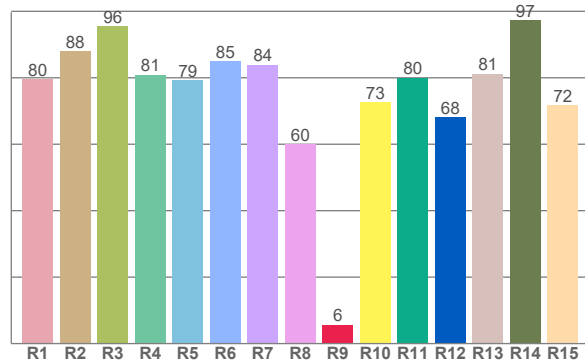
Voltage: 123 V
Current: 0.213 A
Frequency: 0 Hz



TM30: 83.1



CRI: 81.5 (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
79.6	88.1	95.6	80.9	79.3	84.9	83.9	59.9	5.7	72.6	80.0	68.2	81.3	97.4	71.8

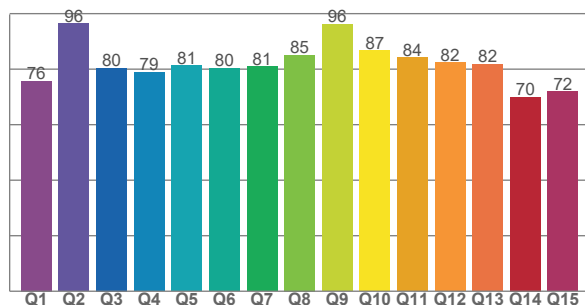
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
79.8	80.0	74.2	82.1	89.3	88.8	82.2	90.6	88.7	82.5	80.1	83.8	88.3	82.3	78.6	80.3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
75.8	96.5	80.5	78.9	81.3	80.3	80.9	85.2	96.1	86.7	84.1	82.3	81.7	70.0	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
3042 K	81.5	5.7	83.1	97.8	80.7	0.435	0.404	0.249	0.347	0.0005

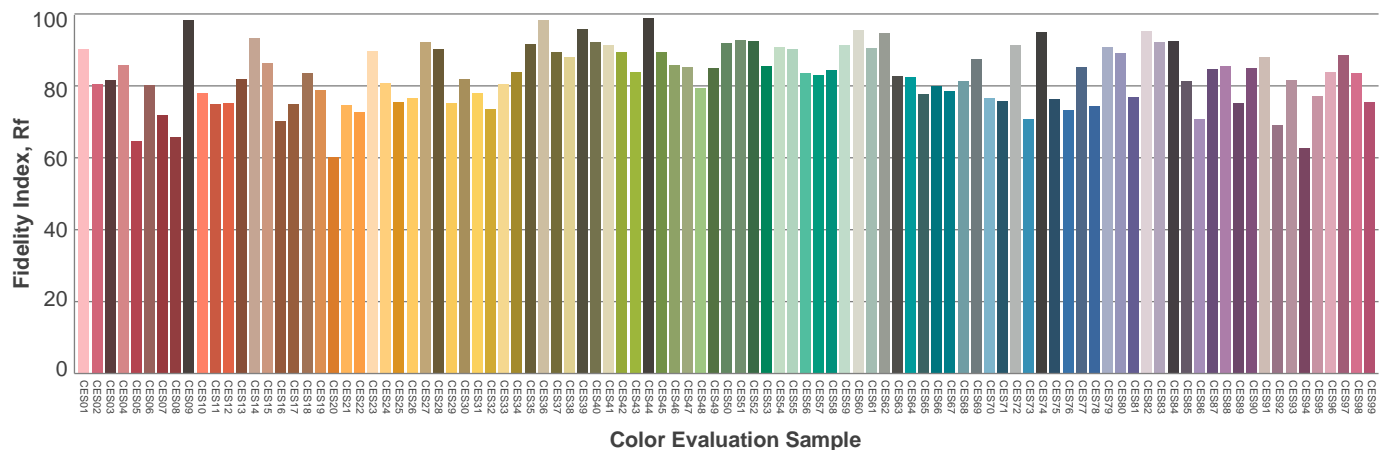
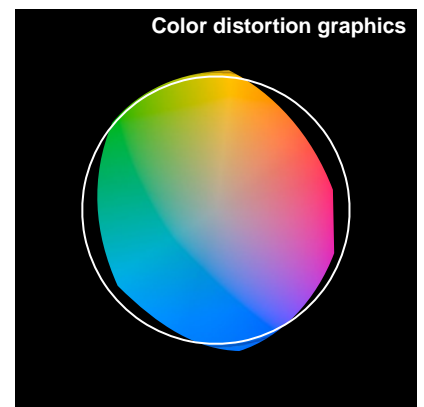
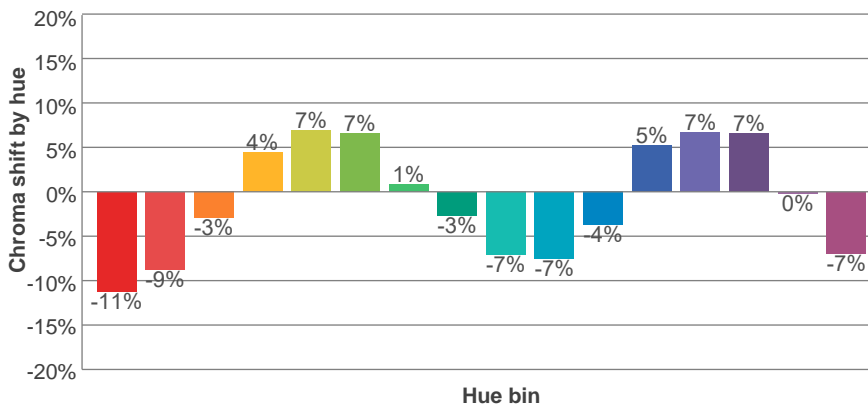
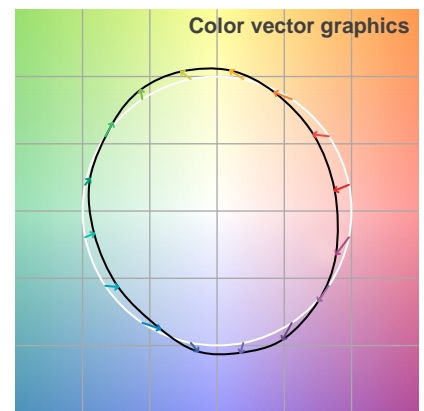
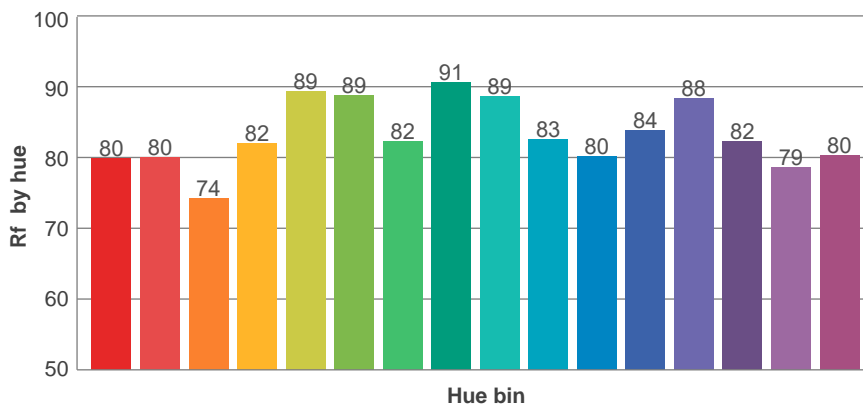
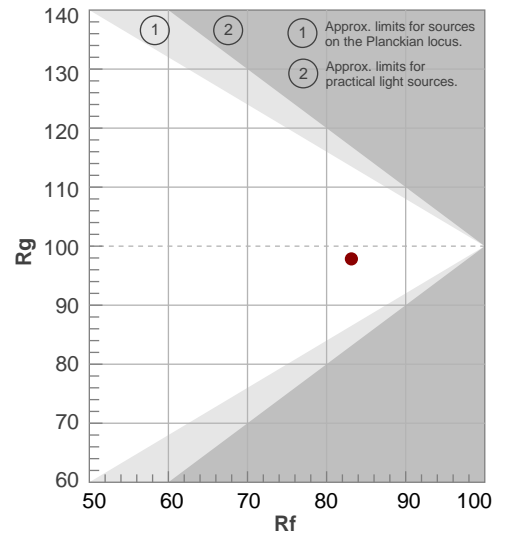
Rf 83.1

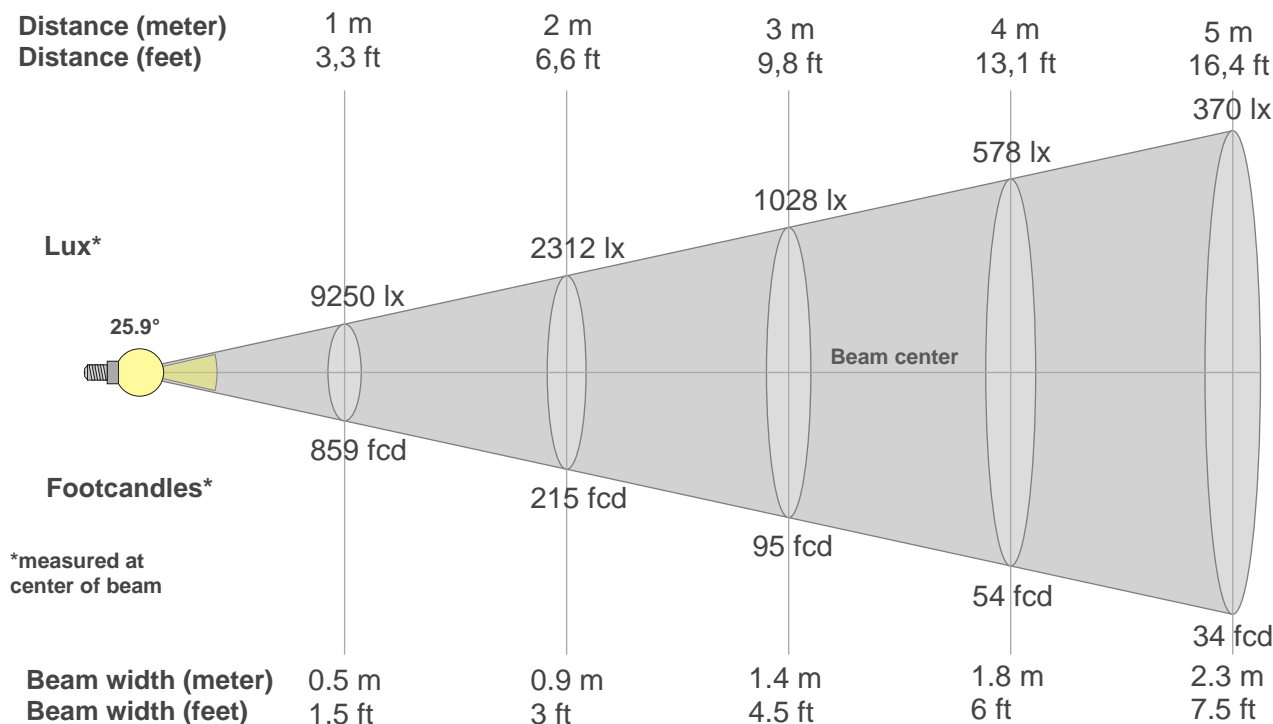
Fidelity index Rf

Rg 97.8

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	80	-11%	-2%
2	80	-9%	8%
3	74	-3%	13%
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
9250lx	2312lx	1028lx	578lx	370lx	257lx	189lx	145lx	114lx	92lx	76lx	64lx	55lx	47lx	41lx	36lx	32lx	29lx	26lx	23lx
859.3fc	214.8fc	95.5fcd	53.7fcd	34.4fcd	23.9fcd	17.5fcd	13.4fcd	10.6fcd	8.6fcd	7.1fcd	6fcd	5.1fcd	4.4fcd	3.8fcd	3.4fcd	3fcd	2.7fcd	2.4fcd	2.1fcd

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°
9250	9204	8841	8114	7174	6155	5148	4114	3183	2431	1840	1368	972	672	456	299	193	124	80	60
100%	100%	96%	88%	78%	67%	56%	44%	34%	26%	20%	15%	11%	7%	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°
9250	9148	8784	8104	7139	6131	5110	4102	3172	2405	1835	1377	999	697	468	306	208	138	93	66
100%	99%	95%	88%	77%	66%	55%	44%	34%	26%	20%	15%	11%	8%	5%	3%	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°
9250	9110	8726	8069	7158	6143	5131	4144	3254	2508	1906	1425	1031	717	481	312	200	132	87	59
100%	98%	94%	87%	77%	66%	55%	45%	35%	27%	21%	15%	11%	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°
9250	9147	8796	8055	7117	6113	5104	4101	3185	2462	1869	1380	981	666	450	295	189	121	80	57
100%	99%	95%	87%	77%	66%	55%	44%	34%	27%	20%	15%	11%	7%	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
25.9°	48.8°	62.5°	99.8%	99.4%