

Light efficiency:

83 Lumen/Watt

Light quality:

CRI: 81.5

Color temperature:

3047 K

Output: 2168 lm

Peak: 6993 cd

Power: 26.1 W

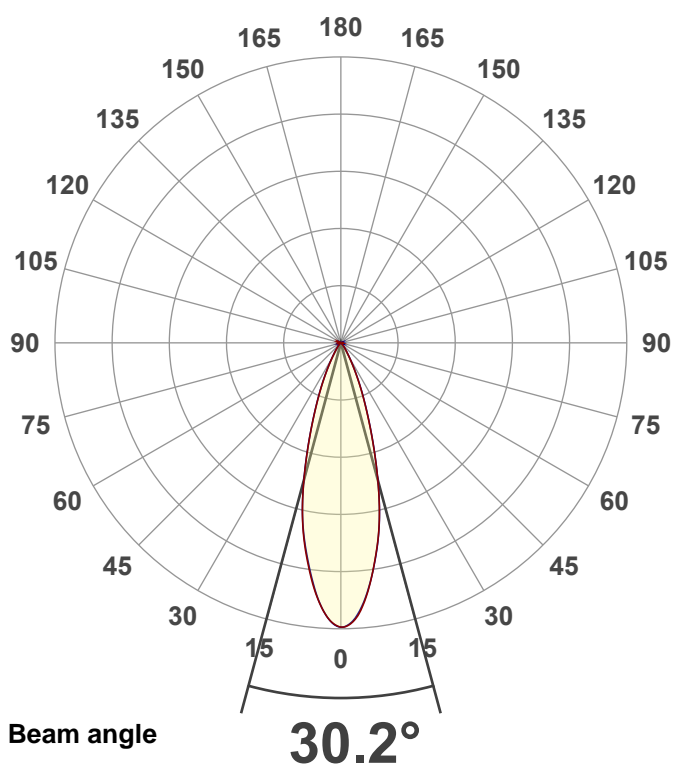
PF: 0.98



NU3-RDDR-SW-30LM-30K-80-20D-DL-SA

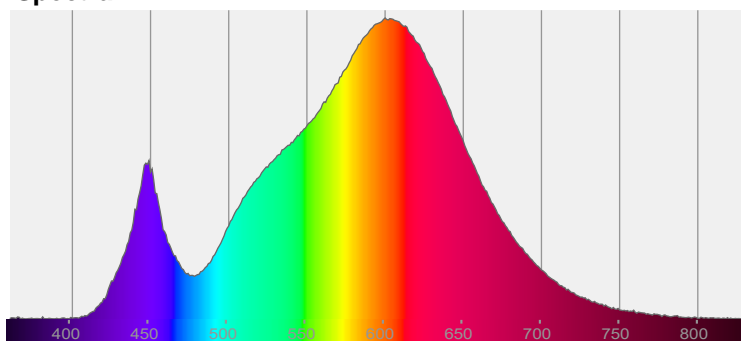
Date and time:

4/4/2022 9:29:38 AM



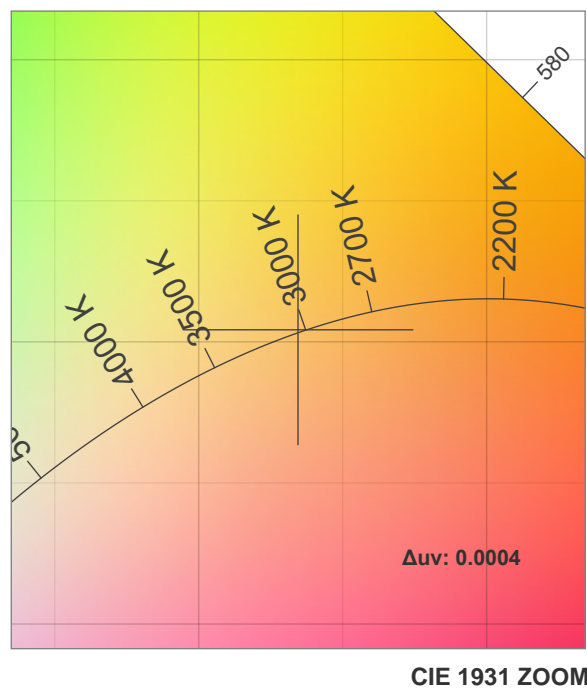
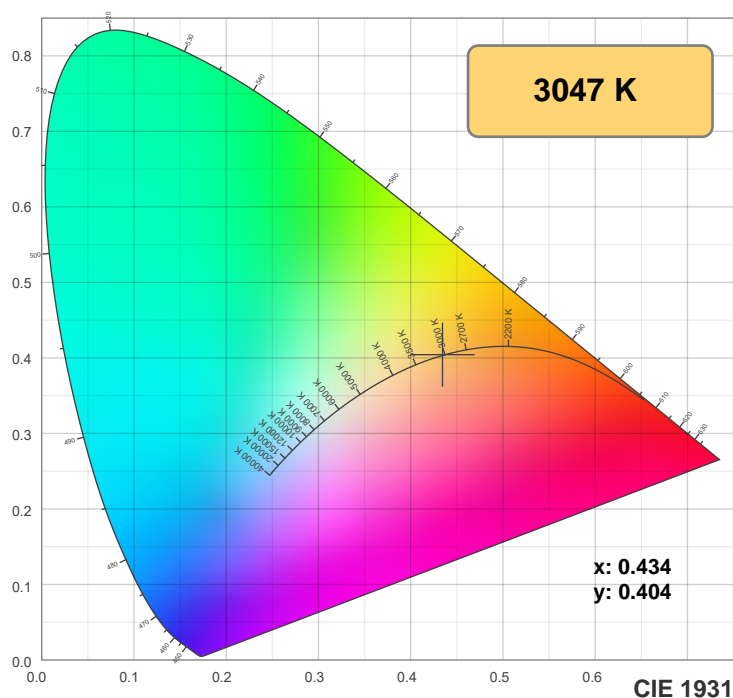
CIE 1931
x: 0.434
y: 0.404

Spectra

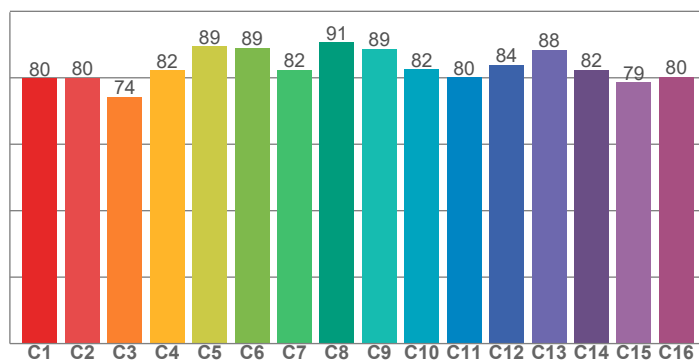


Power

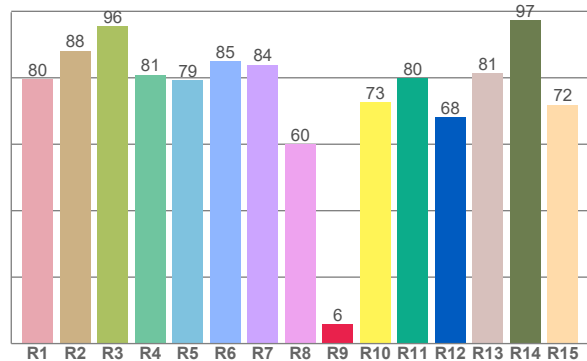
Voltage: 122 V
Current: 0.213 A
Frequency: 0 Hz



TM30: 83.2



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	60.0	5.8	72.6	79.9	68.2	81.3	97.4	71.9

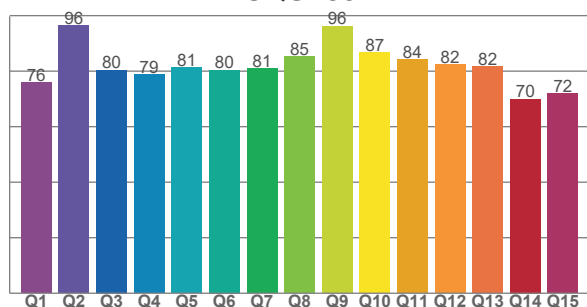
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
79.9	80.0	74.3	82.2	89.5	88.9	82.4	90.7	88.7	82.5	80.1	83.8	88.4	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	80.5	78.8	81.3	80.4	81.0	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
3047 K	81.5	5.8	83.2	97.8	80.7	0.434	0.404	0.249	0.347	0.0004

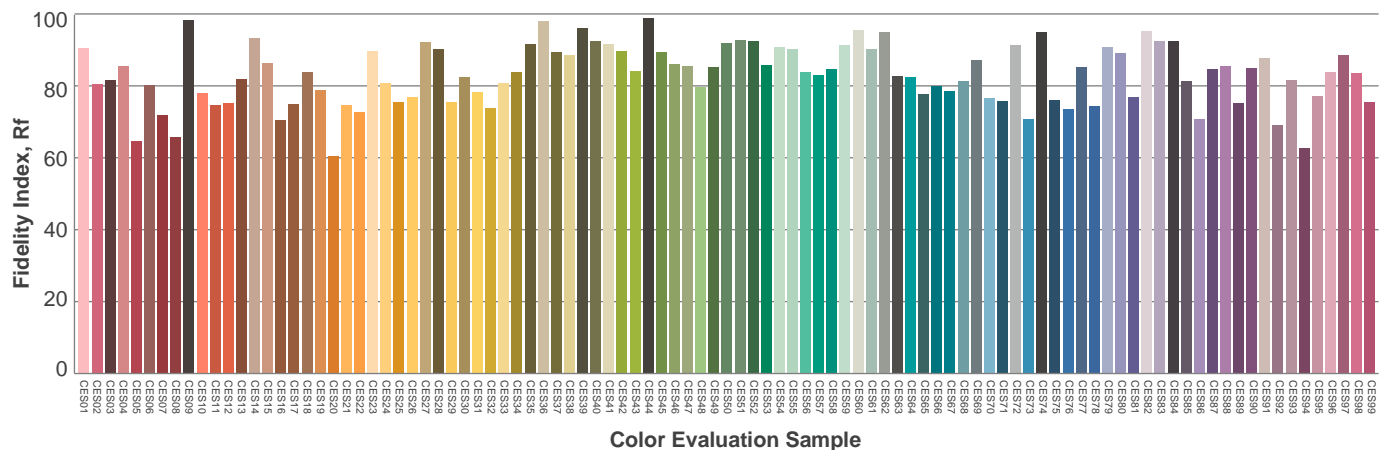
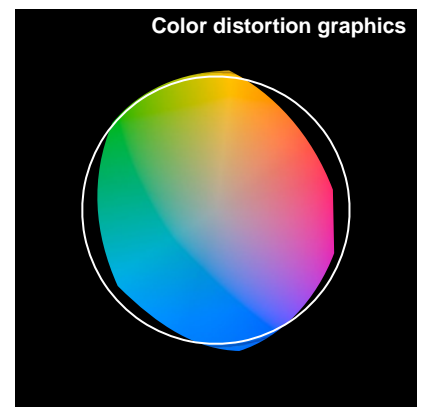
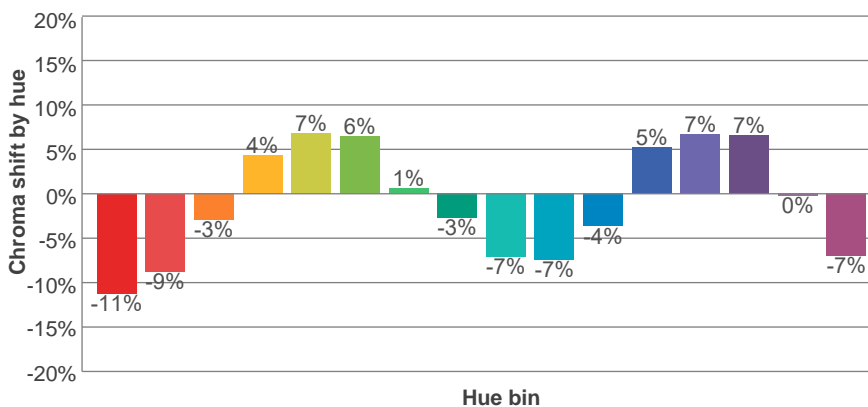
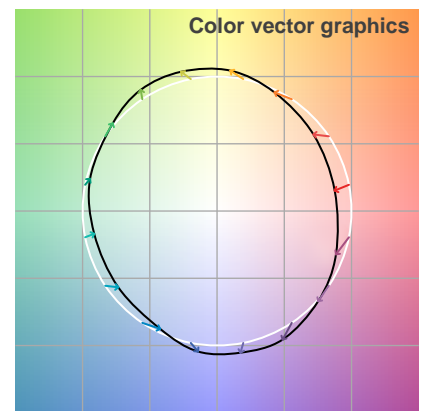
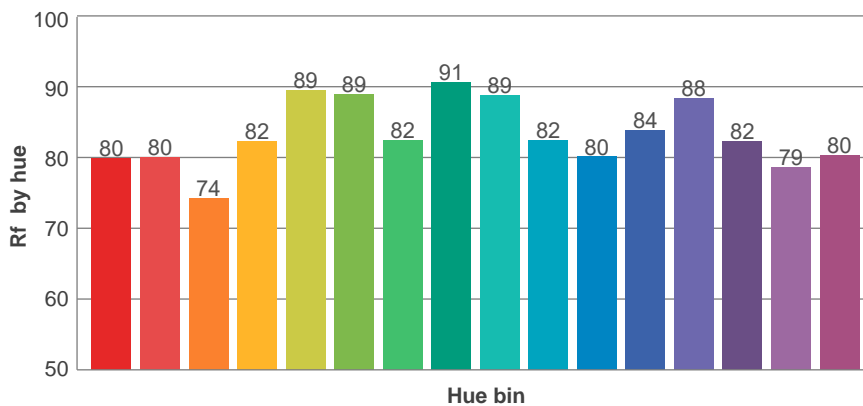
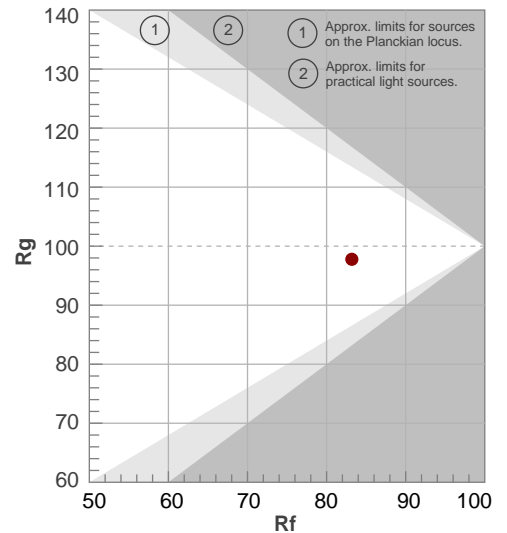
Rf 83.2

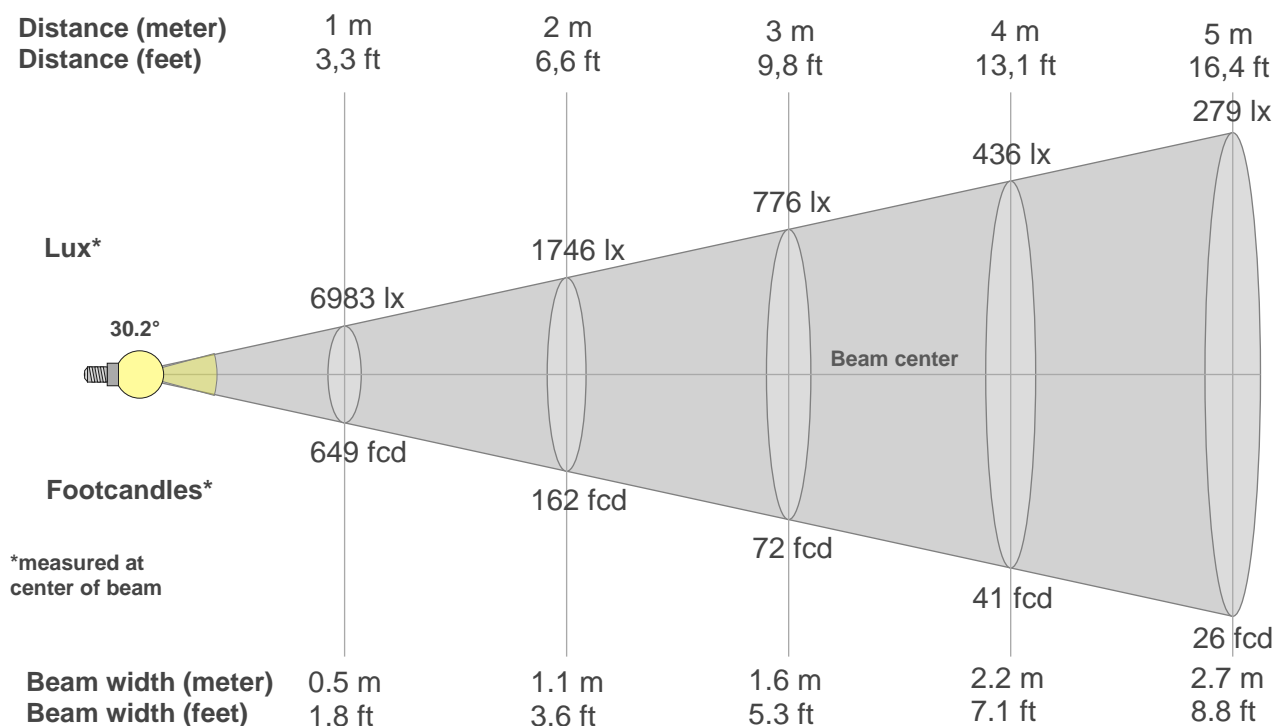
Fidelity index Rf

Rg 97.8

Gammut 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	6%	-3%
7	82	1%	-11%
8	91	-3%	-5%
9	89	-7%	-1%
10	82	-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
6983lx	1746lx	776lx	436lx	279lx	194lx	143lx	109lx	86lx	70lx	58lx	48lx	41lx	36lx	31lx	27lx	24lx	22lx	19lx	17lx
648.7fcd	162.2fcd	72.1fcd	40.5fcd	25.9fcd	18fcd	13.2fcd	10.1fcd	8fcd	6.5fcd	5.4fcd	4.5fcd	3.8fcd	3.3fcd	2.9fcd	2.5fcd	2.2fcd	2fcd	1.8fcd	1.6fcd

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°
6983	6907	6641	6197	5662	5109	4532	3869	3174	2523	1968	1519	1155	853	616	436	314	231	170	127
100%	99%	95%	89%	81%	73%	65%	55%	45%	36%	28%	22%	17%	12%	9%	6%	4%	3%	2%	2%

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°
6983	6888	6601	6173	5663	5121	4537	3875	3179	2539	1986	1539	1170	860	620	439	315	232	171	127
100%	99%	95%	88%	81%	73%	65%	55%	46%	36%	28%	22%	17%	12%	9%	6%	5%	3%	2%	2%

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°
6983	6855	6552	6125	5614	5087	4515	3868	3174	2535	1981	1534	1170	870	626	445	320	233	171	127
100%	98%	94%	88%	80%	73%	65%	55%	45%	36%	28%	22%	17%	12%	9%	6%	5%	3%	2%	2%

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°
6983	6857	6544	6095	5572	5048	4500	3863	3186	2543	1992	1542	1180	877	636	454	326	239	176	130
100%	98%	94%	87%	80%	72%	64%	55%	46%	36%	29%	22%	17%	13%	9%	6%	5%	3%	3%	2%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
30.2°	54.6°	71.8°	99.7%	99.1%