

Light efficiency:

75 Lumen/Watt

Light quality:

CRI: 81.7

Color temperature:

3094 K

Output: 842 lm

Peak: 6381 cd

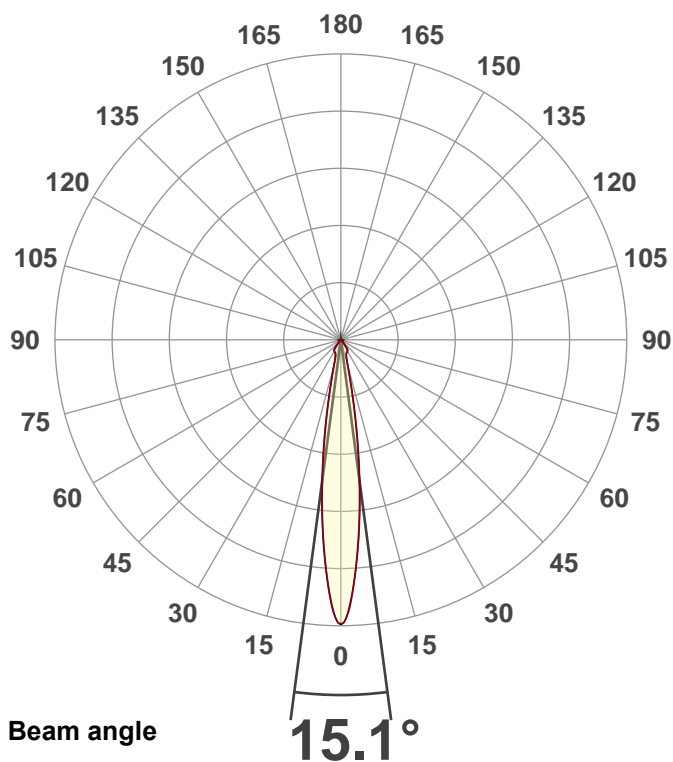
Power: 11.3 W

PF: 0.95



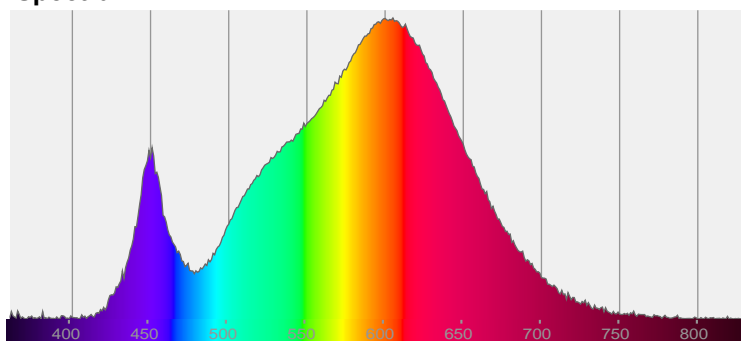
NU3-RD-SW-10LM-30K-80-15C-NL-120-DIM10-NC-WH-WH

Date and time:
1/6/2021 11:01:10 AM

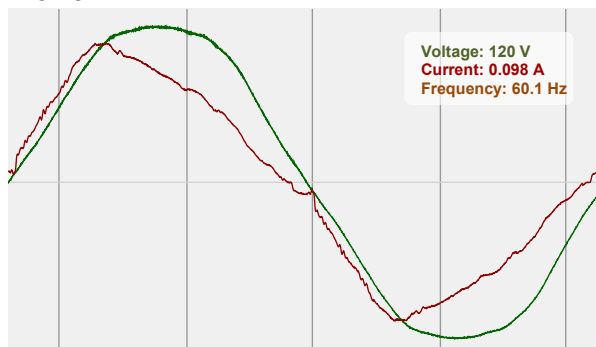


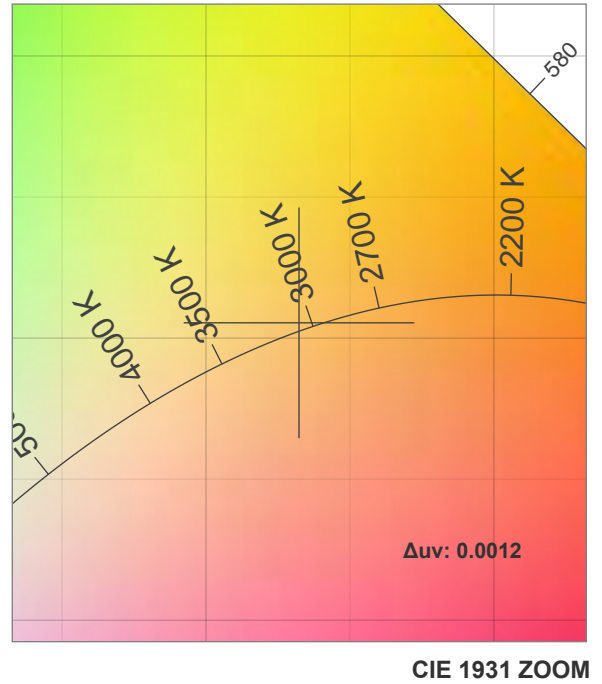
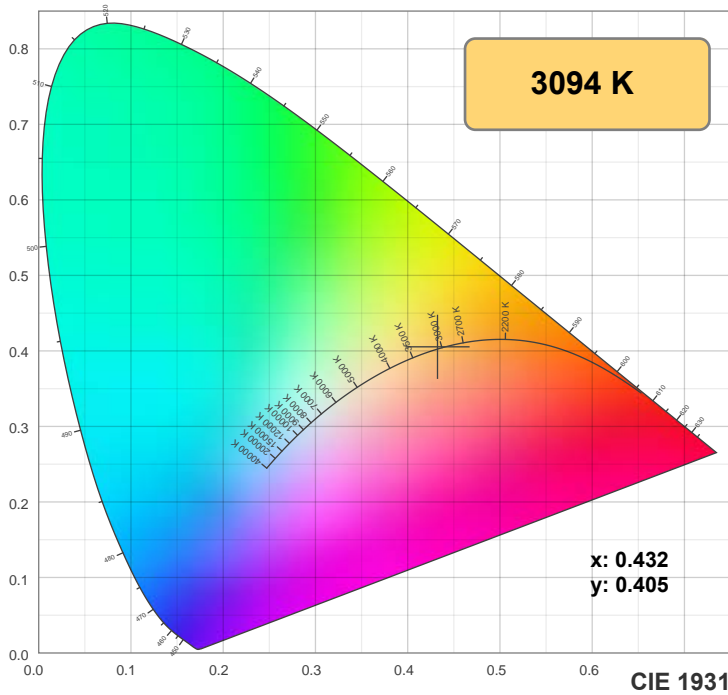
CIE 1931
x: 0.432
y: 0.405

Spectra

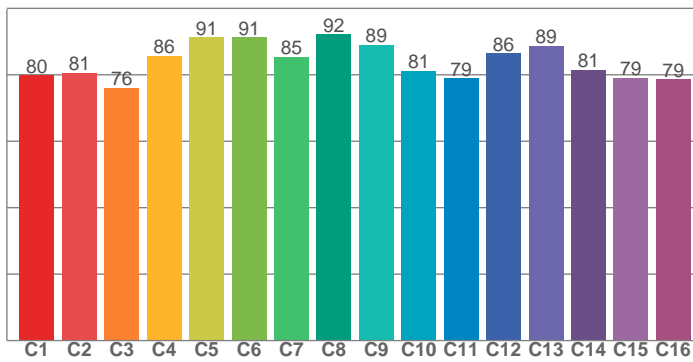


Power

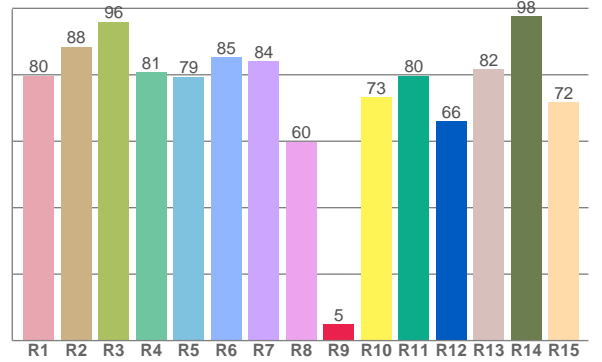




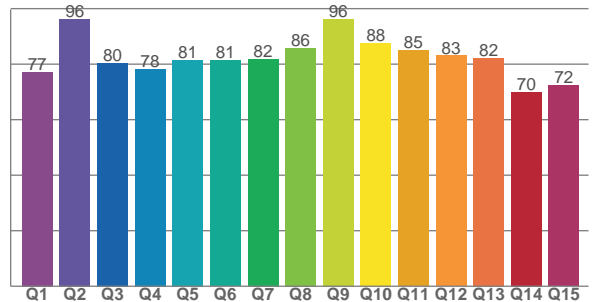
TM30: 83.9



CRI: 81.7 (R1-R8)



CQS: 81.2



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	88.5	96.0	80.8	79.4	85.3	84.2	59.8	4.9	73.3	79.7	66.0	81.6	97.6	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	80.6	76.1	85.7	91.3	91.3	85.4	92.1	89.0	81.3	78.9	86.4	88.7	81.5	79.1	78.7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77.1	96.2	80.5	78.3	81.4	81.4	81.9	85.9	96.2	87.6	85.0	83.1	82.2	70.0	72.4

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
3094 K	81.7	4.9	83.9	96.9	81.2	0.432	0.405	0.247	0.347	0.0012

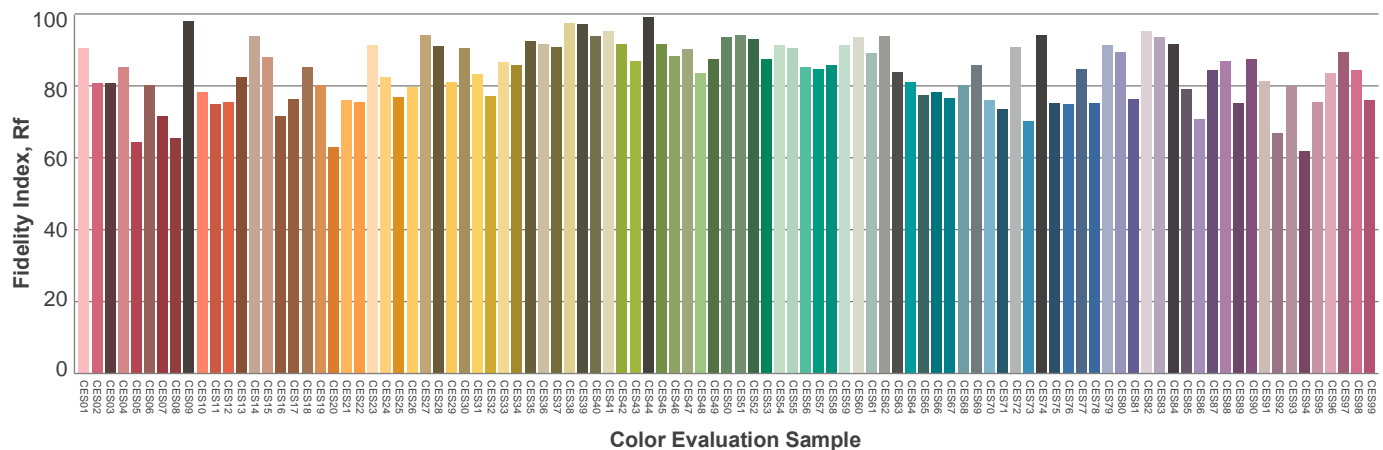
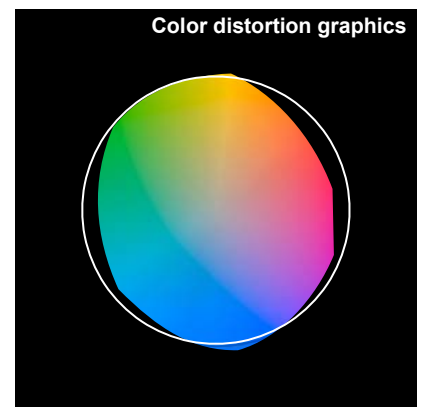
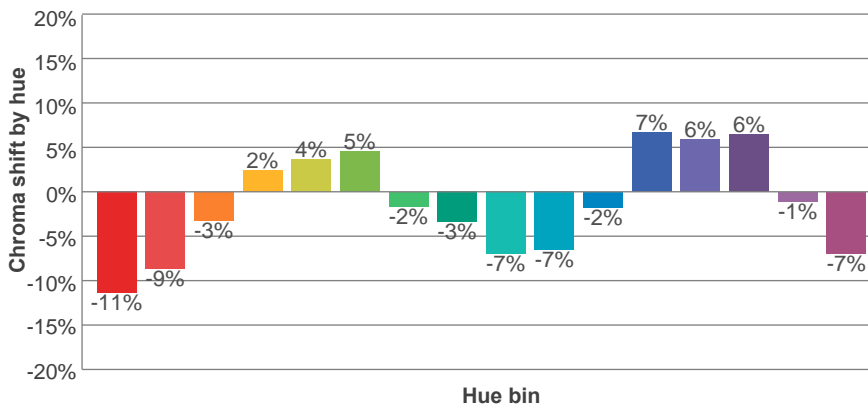
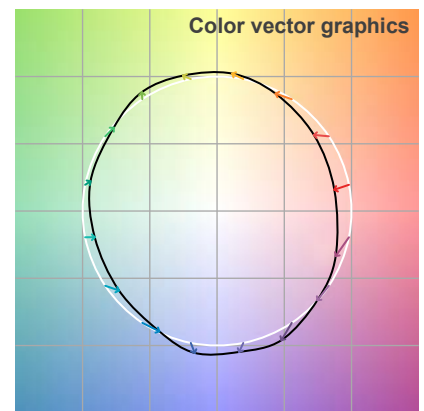
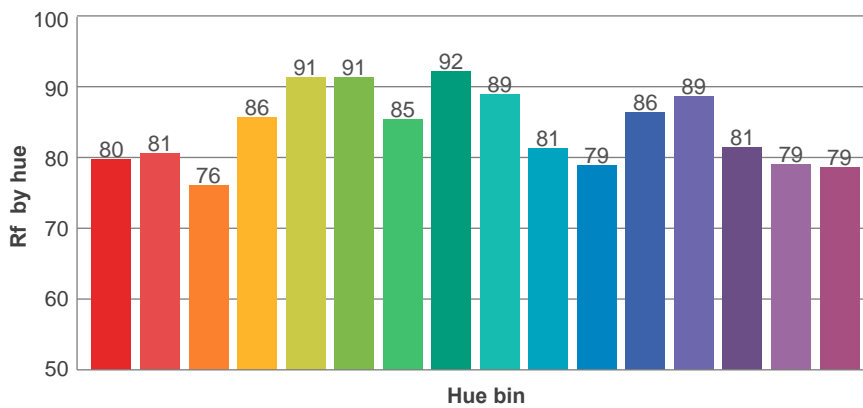
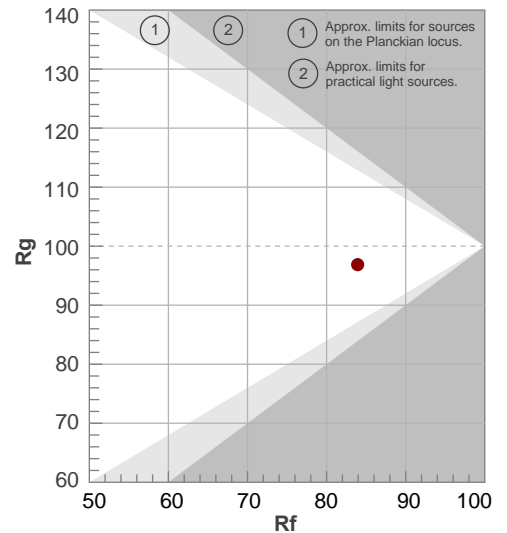
Rf 83.9

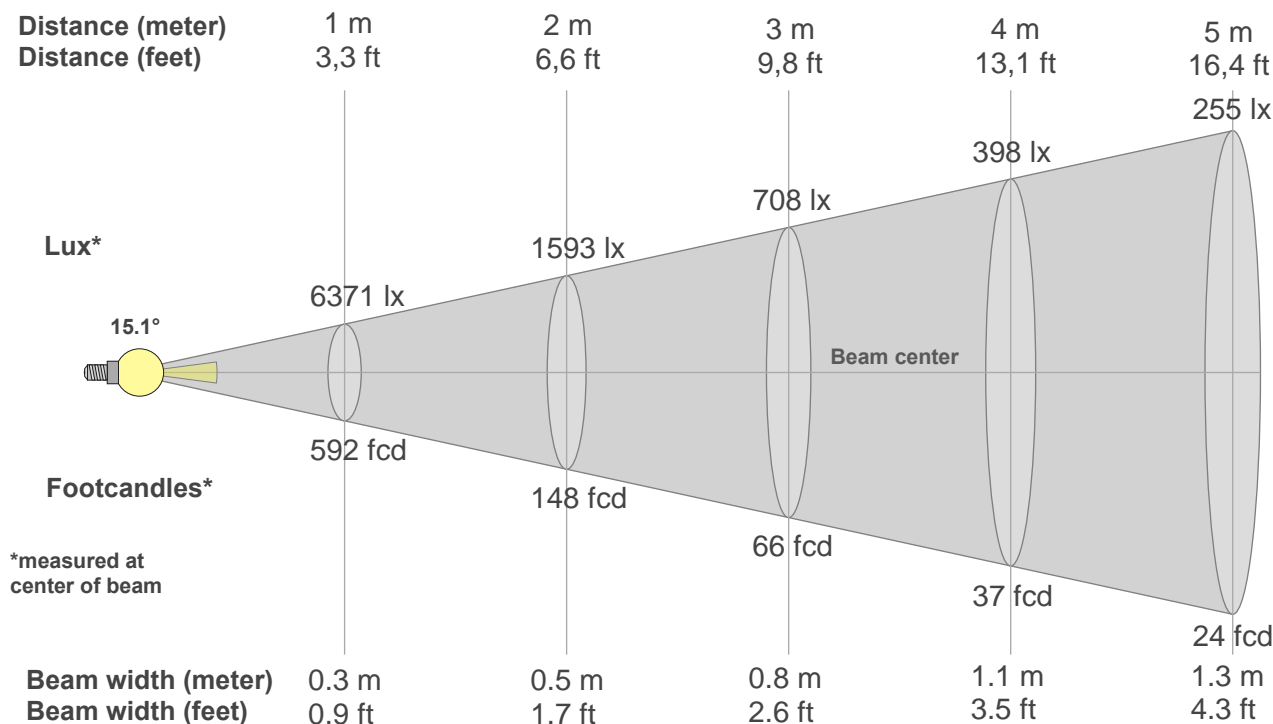
Fidelity index Rf

Rg 96.9

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	80	-11%	-1%
2	81	-9%	7%
3	76	-3%	12%
4	86	2%	9%
5	91	4%	5%
6	91	5%	-3%
7	85	-2%	-9%
8	92	-3%	-3%
9	89	-7%	1%
10	81	-7%	9%
11	79	-2%	14%
12	86	7%	4%
13	89	6%	-4%
14	81	6%	-14%
15	79	-1%	-14%
16	79	-7%	-16%





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
6371lx	1593lx	708lx	398lx	255lx	177lx	130lx	100lx	79lx	64lx	53lx	44lx	38lx	33lx	28lx	25lx	22lx	20lx	18lx	16lx
591.9fcd	148fcd	65.8fcd	37fcd	23.7fcd	16.4fcd	12.1fcd	9.2fcd	7.3fcd	5.9fcd	4.9fcd	4.1fcd	3.5fcd	3fcd	2.6fcd	2.3fcd	2fcd	1.8fcd	1.6fcd	1.5fcd

Intensities in 0° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
6371	6267	5967	5520	5038	4538	4022	3504	2986	2496	2040	1626	1268	981	764	611	509	446	403	374
100%	98%	94%	87%	79%	71%	63%	55%	47%	39%	32%	26%	20%	15%	12%	10%	8%	7%	6%	6%

Intensities in 90° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
6371	6257	5921	5484	4994	4487	3964	3429	2901	2405	1939	1524	1184	919	722	586	499	440	401	374
100%	98%	93%	86%	78%	70%	62%	54%	46%	38%	30%	24%	19%	14%	11%	9%	8%	7%	6%	6%

Intensities in 180° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
6371	6267	5967	5520	5038	4538	4022	3504	2986	2496	2040	1626	1268	981	764	611	509	446	403	374
100%	98%	94%	87%	79%	71%	63%	55%	47%	39%	32%	26%	20%	15%	12%	10%	8%	7%	6%	6%

Intensities in 270° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
6371	6257	5921	5484	4994	4487	3964	3429	2901	2405	1939	1524	1184	919	722	586	499	440	401	374
100%	98%	93%	86%	78%	70%	62%	54%	46%	38%	30%	24%	19%	14%	11%	9%	8%	7%	6%	6%

Beam angle 50°	Field angle 10°	Cutoff angle 2,5°	Intensity ratio in 120° cone	Intensity ratio in 90° cone
{B_ANG}°	29.4°	74.9°	99.6%	99.3%