

Light efficiency:

83 Lumen/Watt

Light quality:

CRI: 82.6

Color temperature:

3082 K

Output: 1067 lm

Peak: 3191 cd

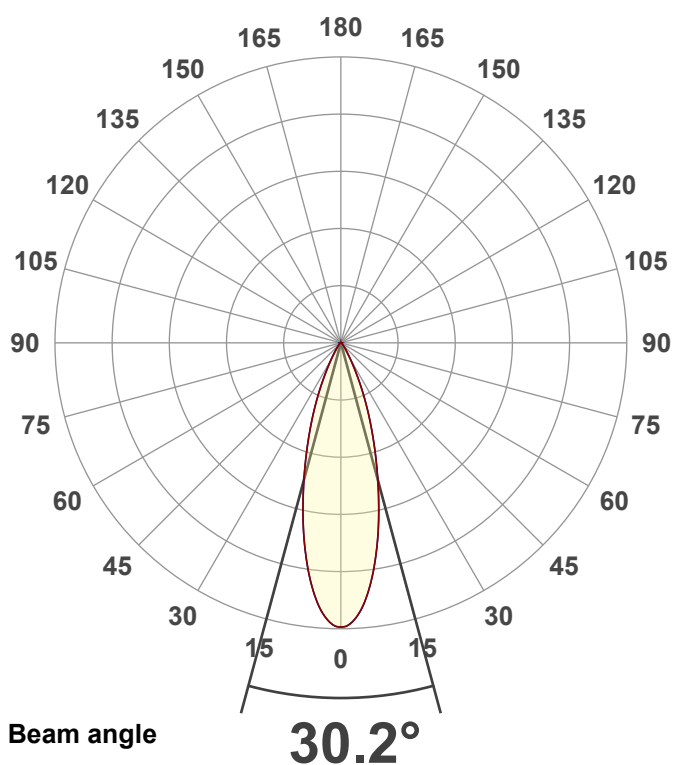
Power: 12.9 W

PF: 0.94



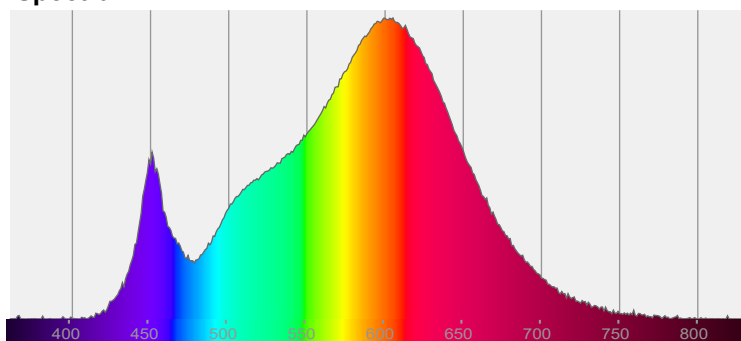
NU1-RA-SW-13LM-30K-80-30D-NA-NL-WH-WH

Date and time:  
8/19/2024 8:35:27 AM

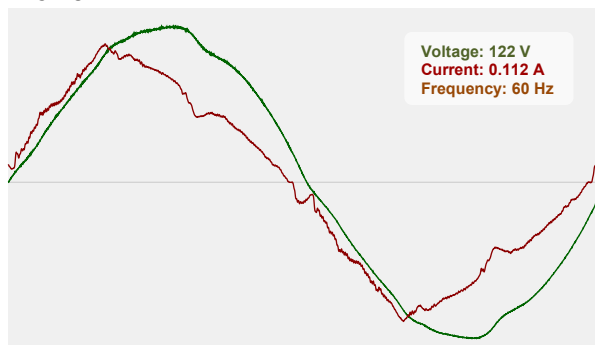


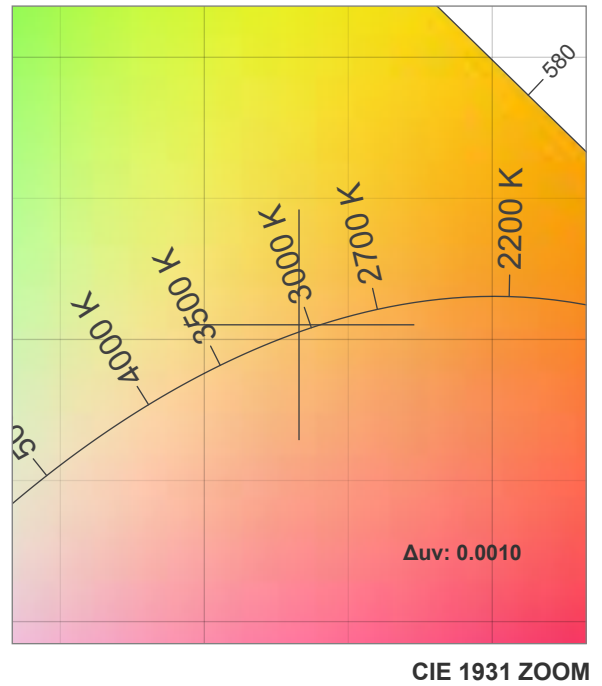
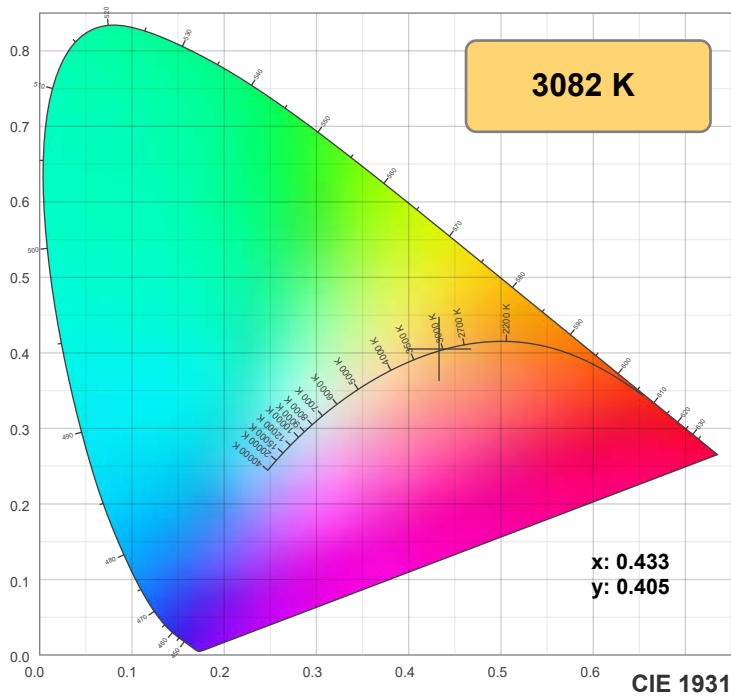
CIE 1931  
x: 0.433  
y: 0.405

Spectra

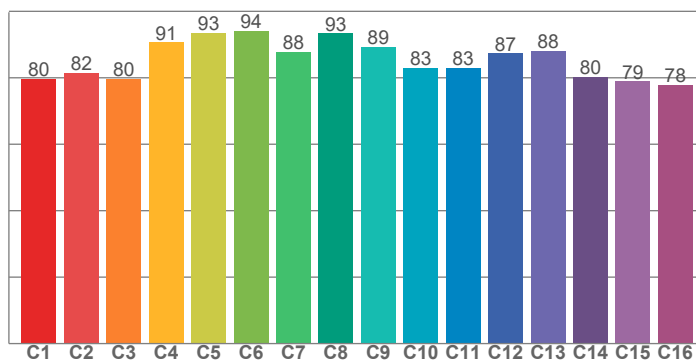


Power

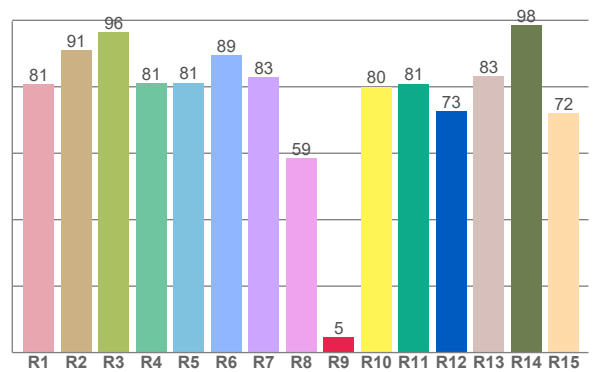




TM30: 85.5



CRI: 82.6 (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
80.8	91.0	96.3	81.1	81.2	89.5	82.8	58.5	4.7	80.0	80.9	72.7	83.2	98.5	72.1

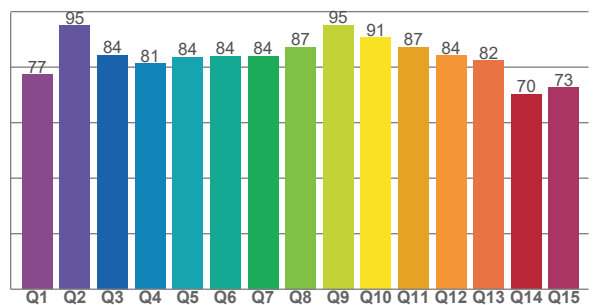
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
79.6	81.5	79.6	90.6	93.4	94.2	87.7	93.3	89.4	83.0	83.0	87.3	88.1	80.2	79.0	77.8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77.4	95.0	84.5	81.3	83.5	84.0	84.0	87.2	95.1	90.7	87.2	84.2	82.4	70.2	72.7

CQS: 82.5



## 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	$\Delta uv$
3082 K	82.6	4.7	85.5	95.3	82.5	0.433	0.405	0.247	0.347	0.0010

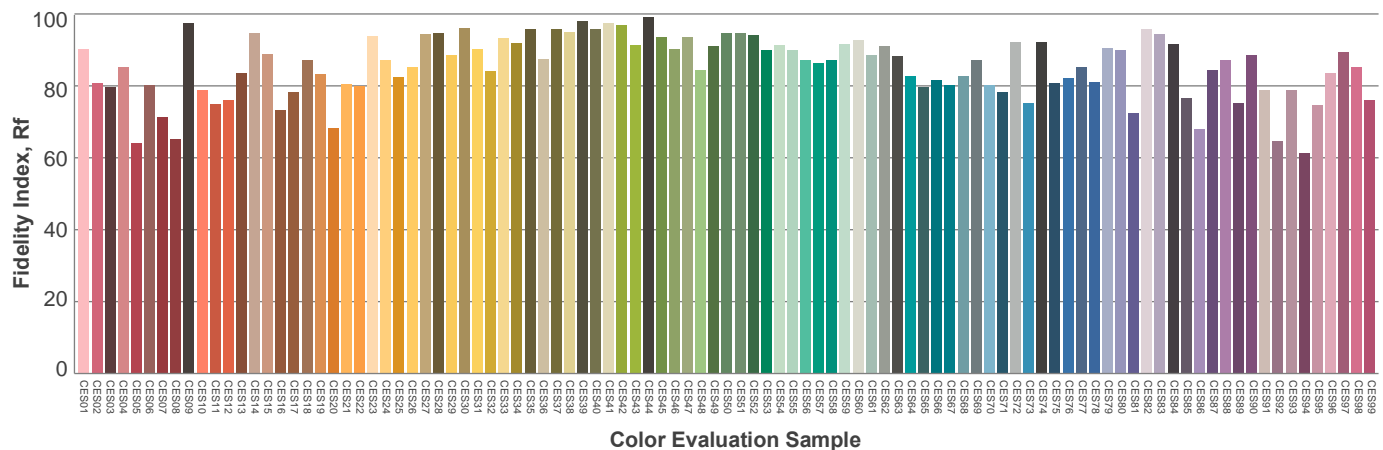
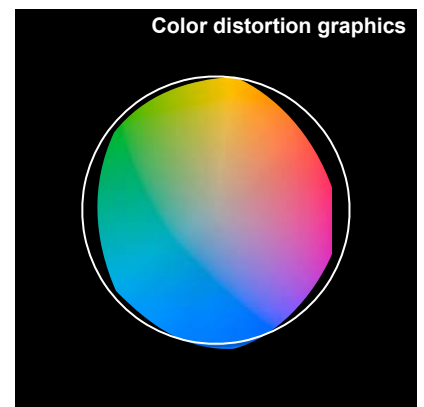
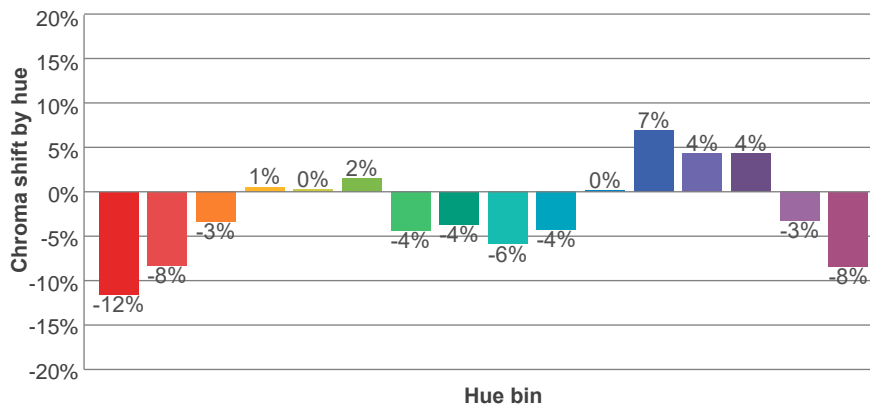
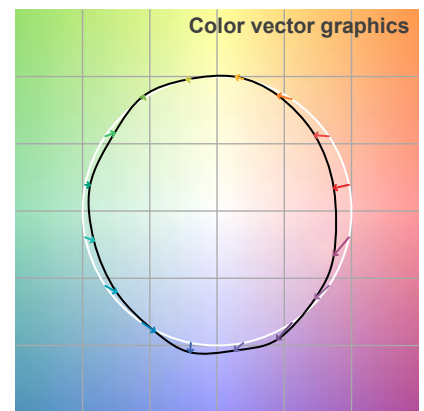
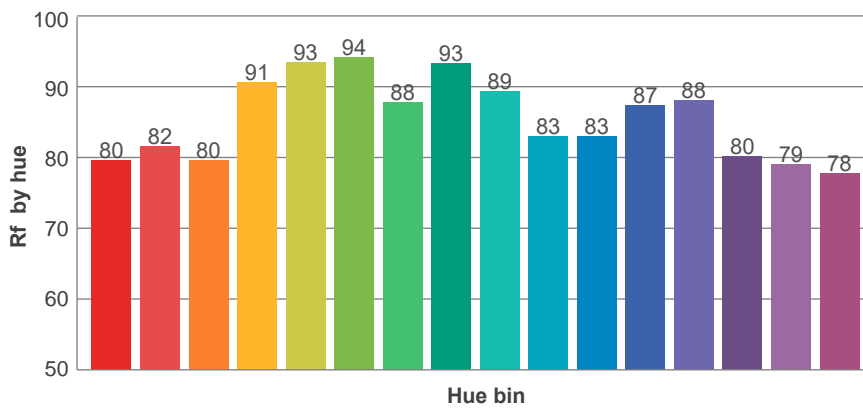
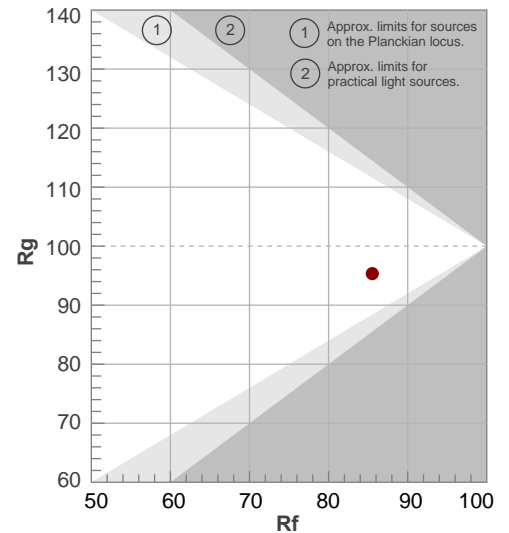
**Rf 85.5**

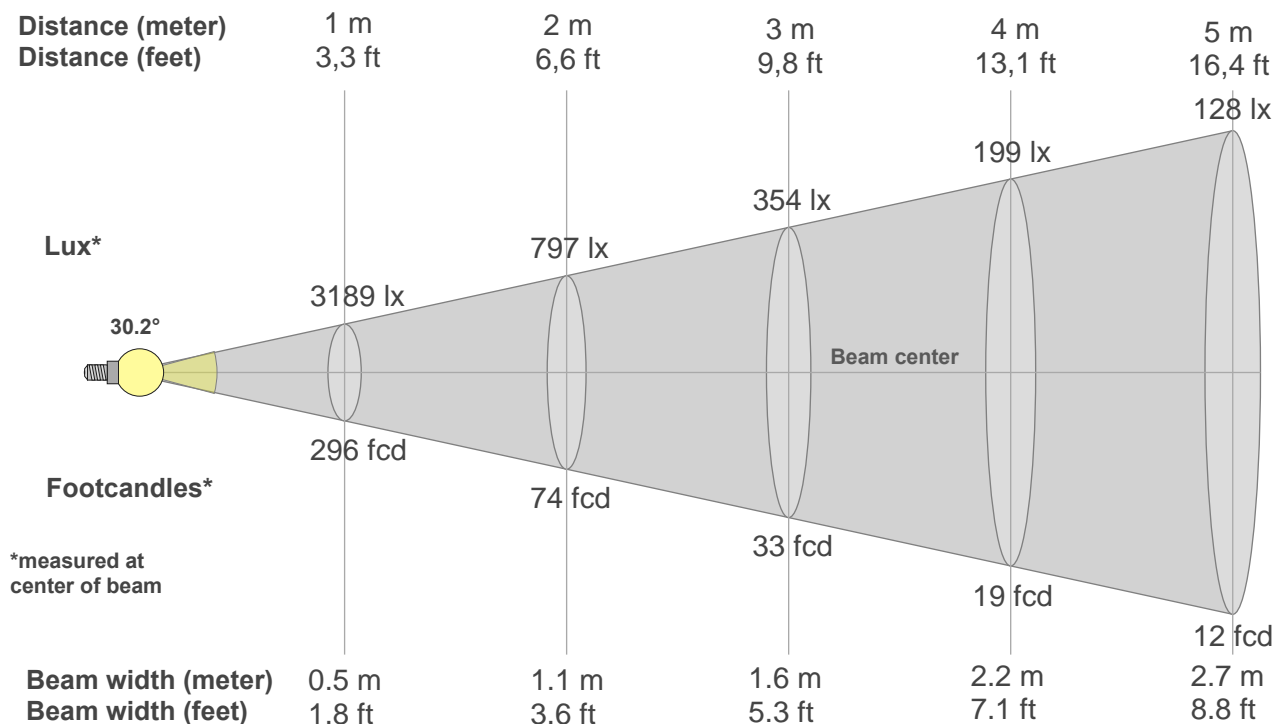
Fidelity index Rf

**Rg 95.3**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	80	-12%	0%
2	82	-8%	7%
3	80	-3%	10%
4	91	1%	6%
5	93	0%	3%
6	94	2%	-2%
7	88	-4%	-6%
8	93	-4%	0%
9	89	-6%	4%
10	83	-4%	9%
11	83	0%	11%
12	87	7%	1%
13	88	4%	-7%
14	80	4%	-16%
15	79	-3%	-13%
16	78	-8%	-15%





#### 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
3189lx	797lx	354lx	199lx	128lx	89lx	65lx	50lx	39lx	32lx	26lx	22lx	19lx	16lx	14lx	12lx	11lx	10lx	9lx	8lx
296.3fcd	74.1fcd	32.9fcd	18.5fcd	11.9fcd	8.2fcd	6fcd	4.6fcd	3.7fcd	3fcd	2.4fcd	2.1fcd	1.8fcd	1.5fcd	1.3fcd	1.2fcd	1fcd	0.9fcd	0.8fcd	0.7fcd

#### 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°
3189	3150	3027	2838	2598	2326	2039	1748	1472	1216	985	779	597	434	314	222	163	121	91	71
100%	99%	95%	89%	81%	73%	64%	55%	46%	38%	31%	24%	19%	14%	10%	7%	5%	4%	3%	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°
3189	3147	3028	2839	2599	2327	2035	1740	1465	1211	983	778	591	438	307	223	161	121	93	71
100%	99%	95%	89%	81%	73%	64%	55%	46%	38%	31%	24%	19%	14%	10%	7%	5%	4%	3%	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°
3189	3150	3027	2838	2598	2326	2039	1748	1472	1216	985	779	597	434	314	222	163	121	91	71
100%	99%	95%	89%	81%	73%	64%	55%	46%	38%	31%	24%	19%	14%	10%	7%	5%	4%	3%	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°
3189	3147	3028	2839	2599	2327	2035	1740	1465	1211	983	778	591	438	307	223	161	121	93	71
100%	99%	95%	89%	81%	73%	64%	55%	46%	38%	31%	24%	19%	14%	10%	7%	5%	4%	3%	2%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
30.2°	55.7°	74.2°	98.6%	96.2%