

Light efficiency:

61 Lumen/Watt

Light quality:

CRI: 90.7

Color temperature:

2947 K

Output: 472 lm

Peak: 3673 cd

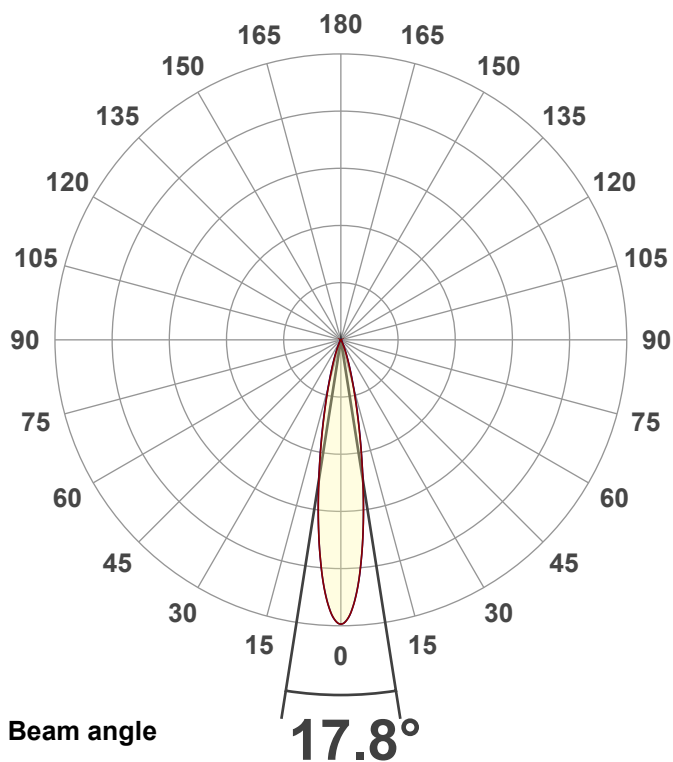
Power: 7.8 W

PF: 0.92



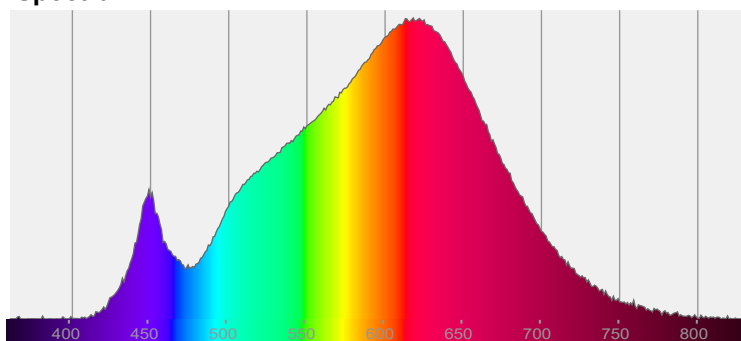
NU1-RA-SW-07LM-30K-90-17D-NA-SBL-WH-WH

Date and time:  
12/20/2024 11:02:51 AM

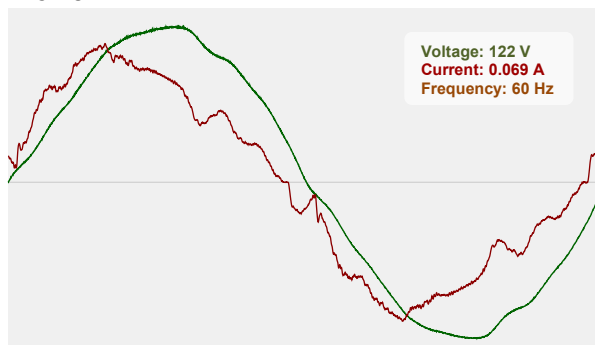


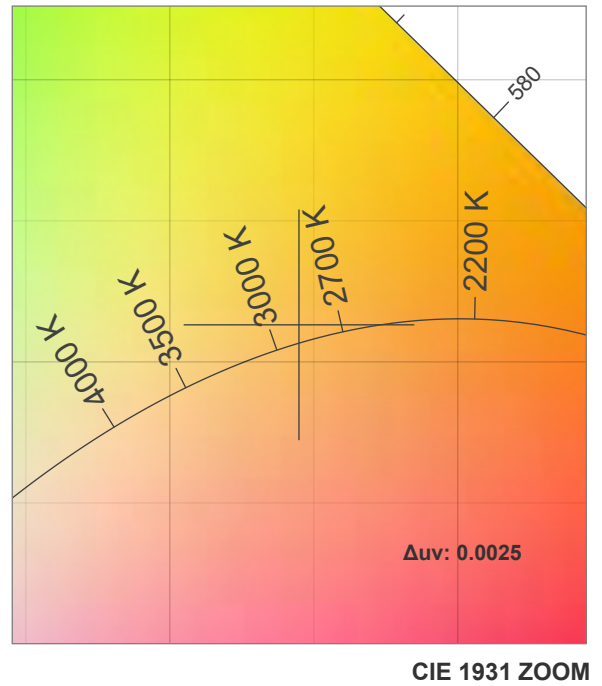
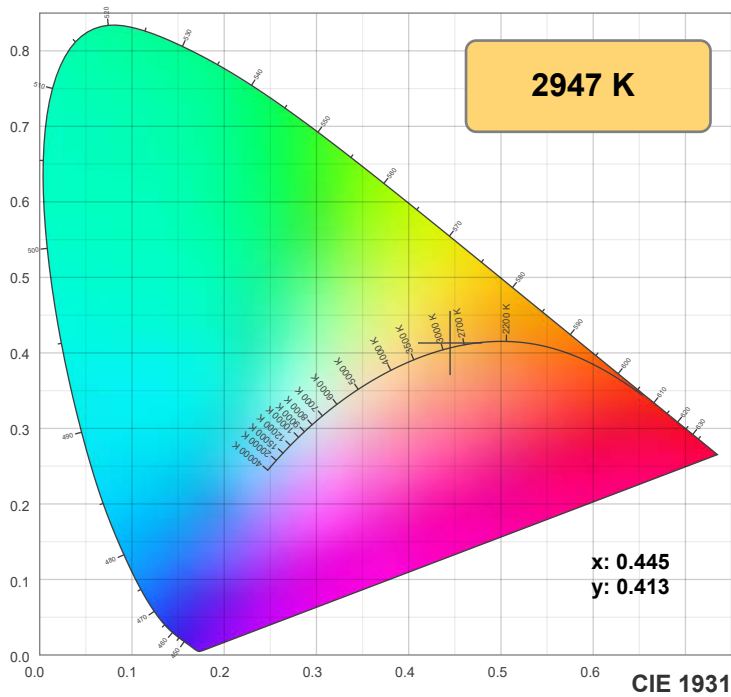
CIE 1931  
x: 0.445  
y: 0.413

Spectra

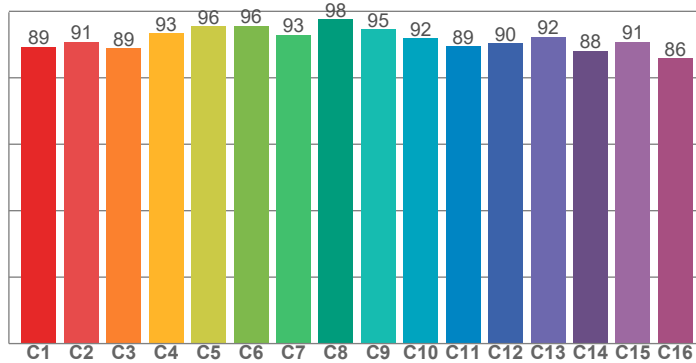


Power

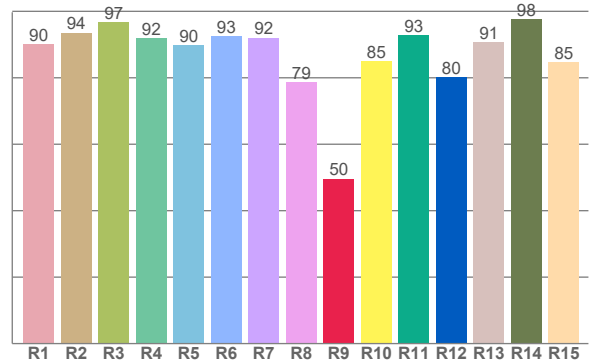




**TM30: 91.6**



**CRI: 90.7 (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
90.1	93.6	96.7	91.8	89.7	92.6	92.1	78.7	49.6	84.9	92.7	80.1	90.7	97.5	84.7

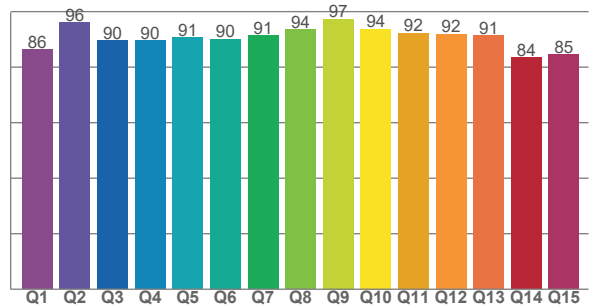
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89.3	90.8	88.8	93.3	95.5	95.6	92.9	97.6	94.6	91.9	89.5	90.3	92.3	88.2	90.8	85.8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
86.3	96.1	89.5	89.5	90.6	90.2	91.3	93.6	97.3	93.7	92.3	91.9	91.4	83.5	84.5

**CQS: 89.9**



## 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	$\Delta uv$
2947 K	90.7	49.6	91.6	98.6	89.9	0.445	0.413	0.252	0.351	0.0025

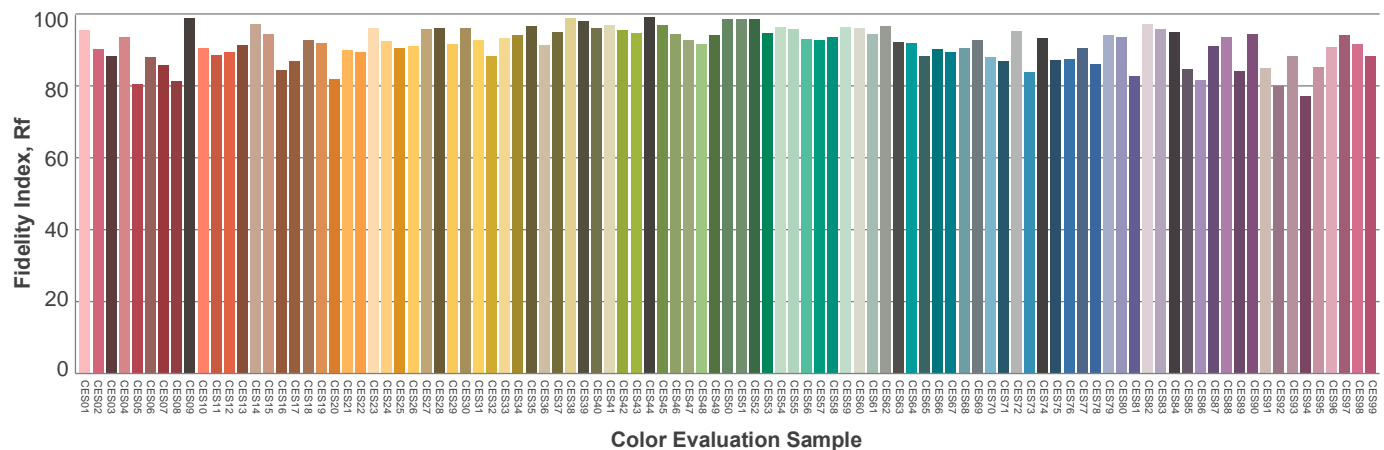
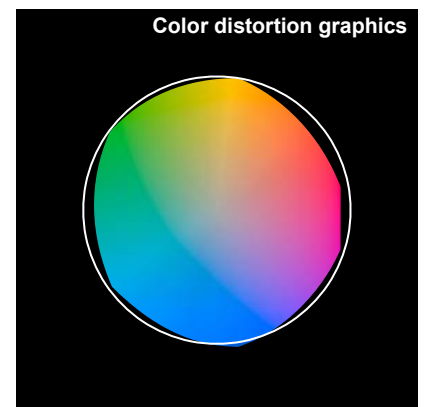
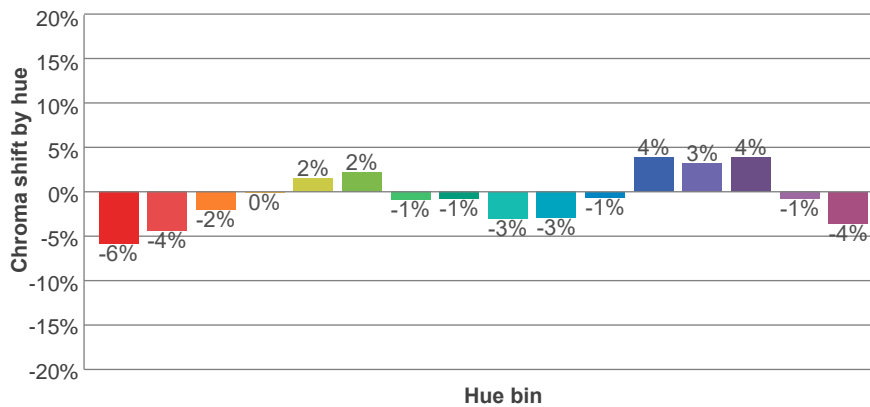
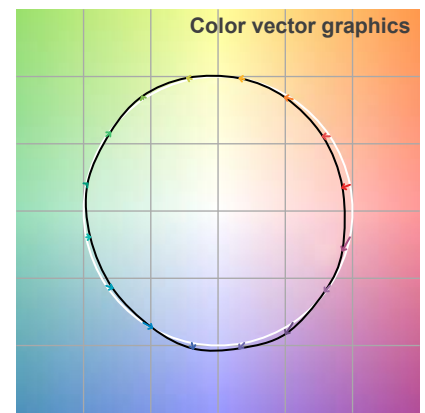
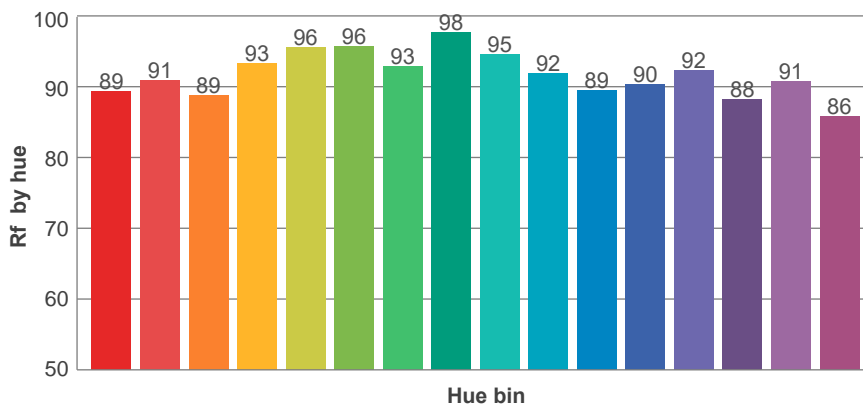
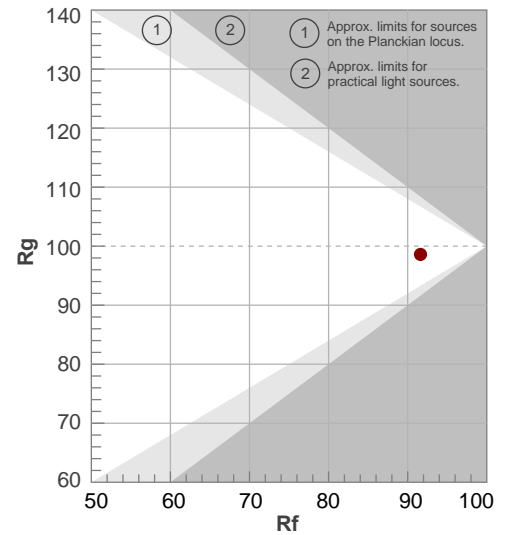
**Rf 91.6**

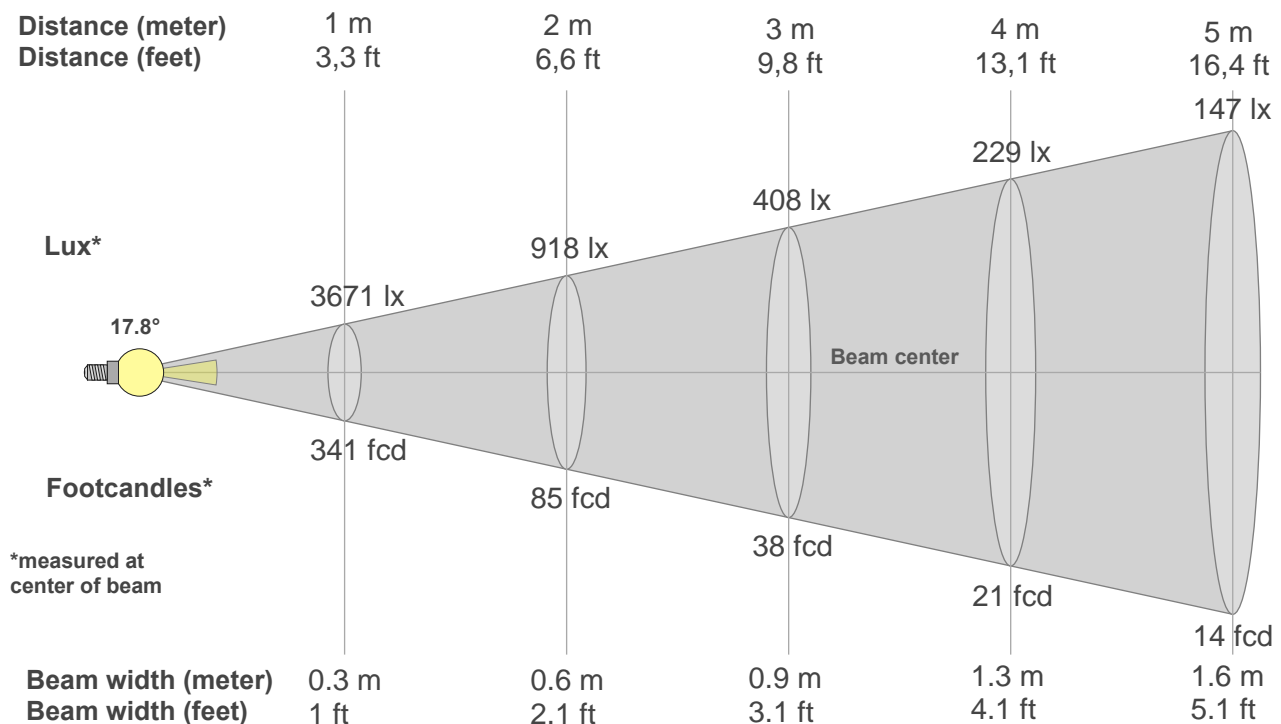
Fidelity index Rf

**Rg 98.6**

Gammut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	89	-6%	-1%
2	91	-4%	3%
3	89	-2%	6%
4	93	0%	4%
5	96	2%	3%
6	96	2%	0%
7	93	-1%	-4%
8	98	-1%	-1%
9	95	-3%	0%
10	92	-3%	4%
11	89	-1%	7%
12	90	4%	2%
13	92	3%	-4%
14	88	4%	-9%
15	91	-1%	-6%
16	86	-4%	-11%





#### 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
3671lx	918lx	408lx	229lx	147lx	102lx	75lx	57lx	45lx	37lx	30lx	25lx	22lx	19lx	16lx	14lx	13lx	11lx	10lx	9lx
341.1fcd	85.3fcd	37.9fcd	21.3fcd	13.6fcd	9.5fcd	7fcd	5.3fcd	4.2fcd	3.4fcd	2.8fcd	2.4fcd	2fcd	1.7fcd	1.5fcd	1.3fcd	1.2fcd	1.1fcd	0.9fcd	0.9fcd

#### 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°
3671	3637	3539	3384	3180	2931	2667	2383	2095	1813	1548	1308	1094	907	749	615	503	410	334	270
100%	99%	96%	92%	87%	80%	73%	65%	57%	49%	42%	36%	30%	25%	20%	17%	14%	11%	9%	7%

#### 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°
3671	3634	3537	3378	3175	2933	2664	2378	2092	1818	1557	1320	1110	927	770	634	522	428	352	288
100%	99%	96%	92%	86%	80%	73%	65%	57%	50%	42%	36%	30%	25%	21%	17%	14%	12%	10%	8%

#### 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°
3671	3637	3539	3384	3180	2931	2667	2383	2095	1813	1548	1308	1094	907	749	615	503	410	334	270
100%	99%	96%	92%	87%	80%	73%	65%	57%	49%	42%	36%	30%	25%	20%	17%	14%	11%	9%	7%

#### 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°
3671	3634	3537	3378	3175	2933	2664	2378	2092	1818	1557	1320	1110	927	770	634	522	428	352	288
100%	99%	96%	92%	86%	80%	73%	65%	57%	50%	42%	36%	30%	25%	21%	17%	14%	12%	10%	8%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
17.8°	35.3°	48.2°	99.9%	99.2%