

Light efficiency:

47 Lumen/Watt

Light quality:

CRI: 82.0

Color temperature:

3104 K

Output: 1443 lm

Peak: 9511 cd

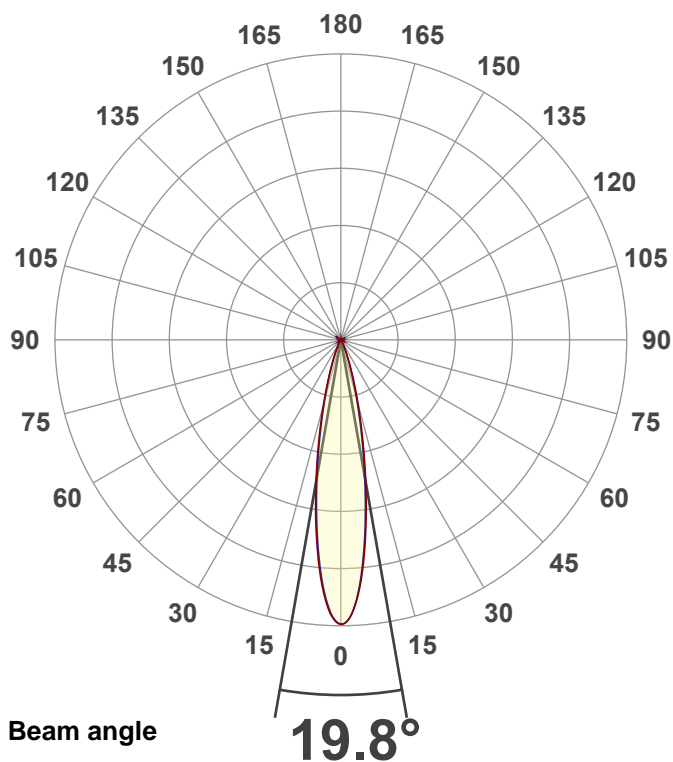
Power: 30.5 W

PF: 0.98



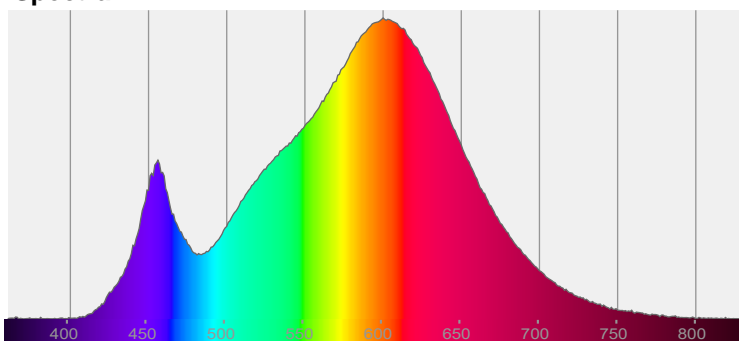
NU3-RA-SW-20LM-30K-80-15D-NA-HET-WH

Date and time:  
5/20/2022 1:57:31 PM

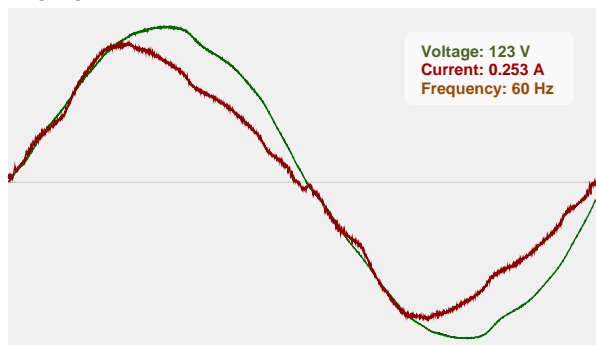


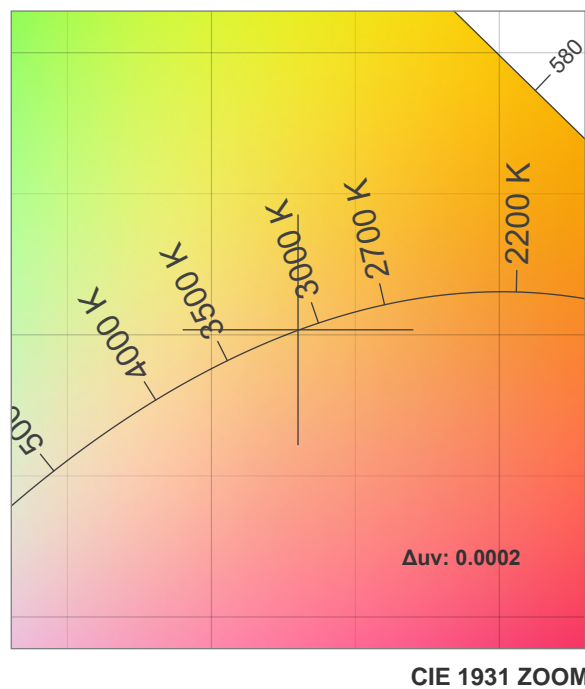
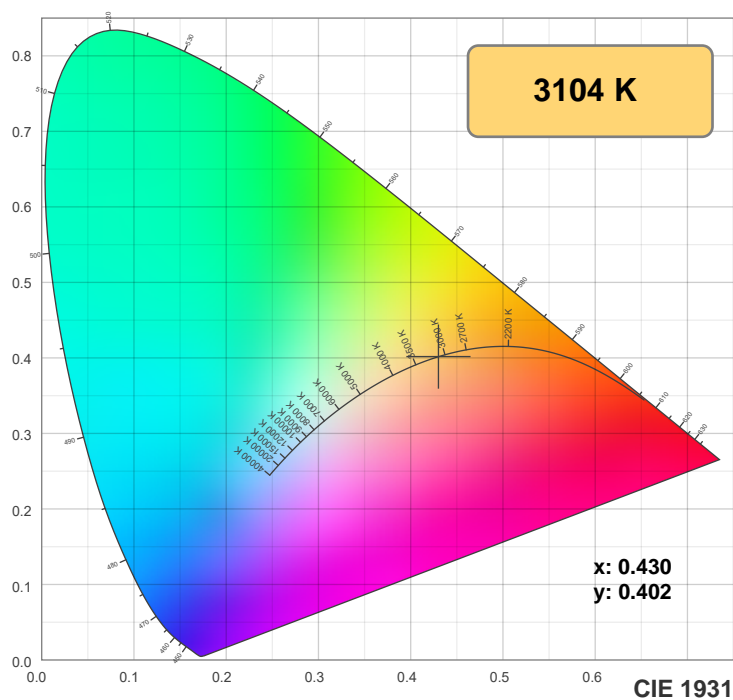
CIE 1931  
x: 0.430  
y: 0.402

Spectra

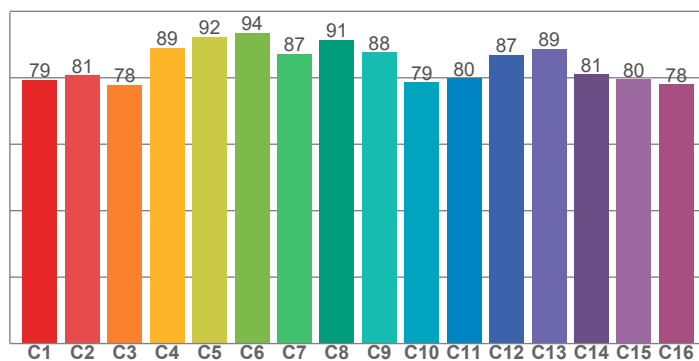


Power

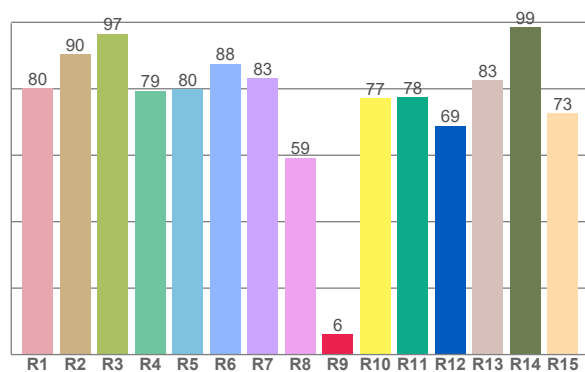




TM30: 84.4



CRI: 82.0 (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
80.2	90.3	96.6	79.4	79.9	87.5	83.1	59.3	6.1	77.1	77.5	68.8	82.6	98.6	72.7

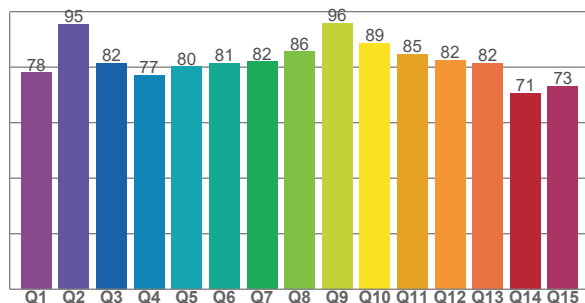
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
79.3	80.7	77.8	89.0	92.3	93.6	87.2	91.4	87.6	78.6	79.8	86.9	88.8	81.1	79.6	78.0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
78.1	95.4	81.5	77.1	80.3	81.4	82.1	85.6	95.9	88.6	84.8	82.5	81.6	70.6	73.1

CQS: 81.2



## 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
3104 K	82.0	6.1	84.4	95.2	81.2	0.430	0.402	0.247	0.346	0.0002

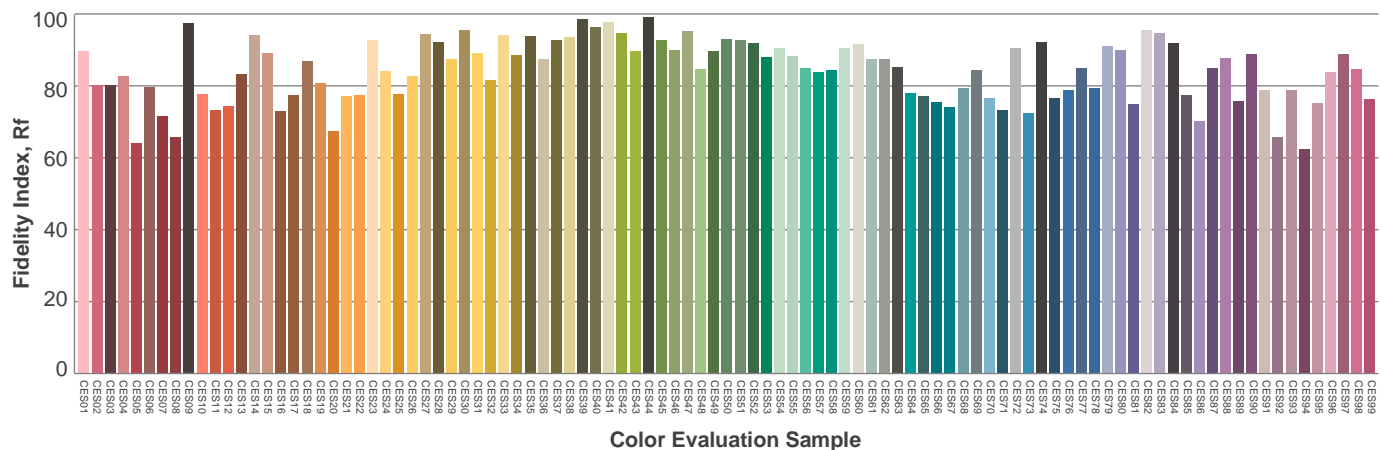
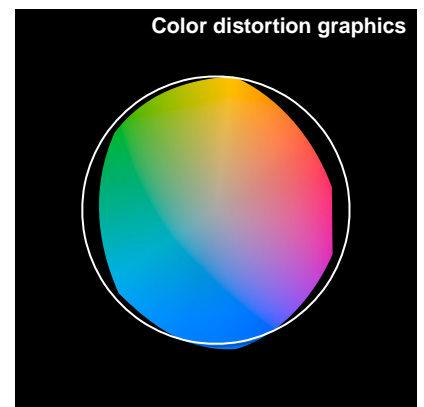
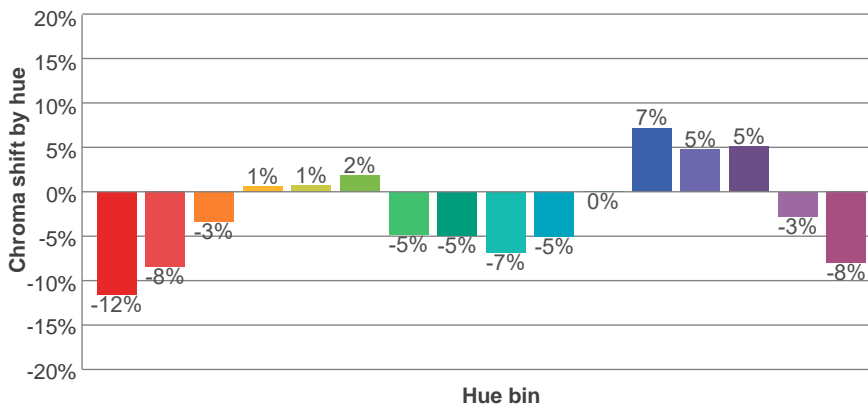
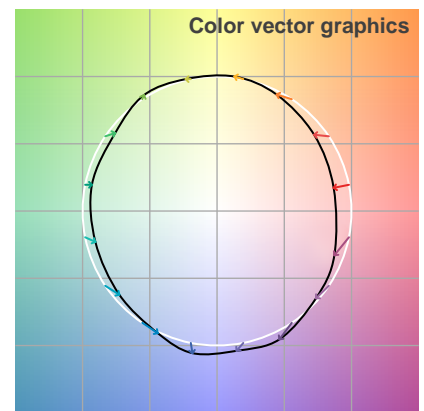
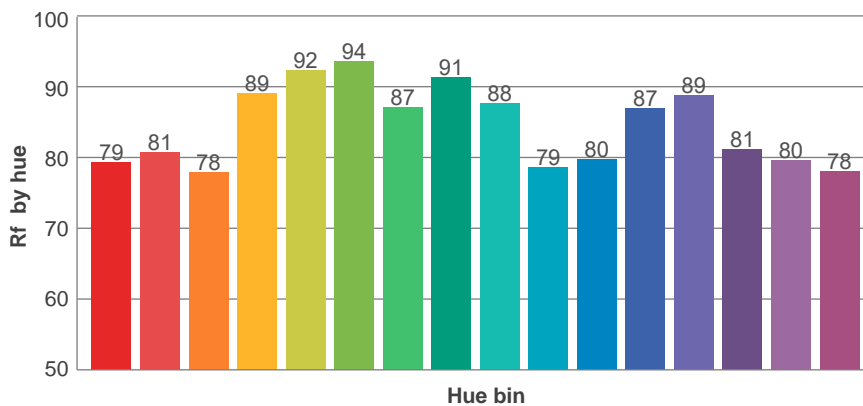
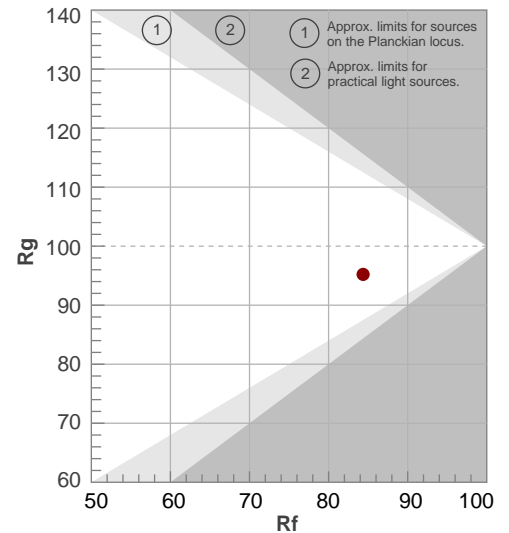
**Rf 84.4**

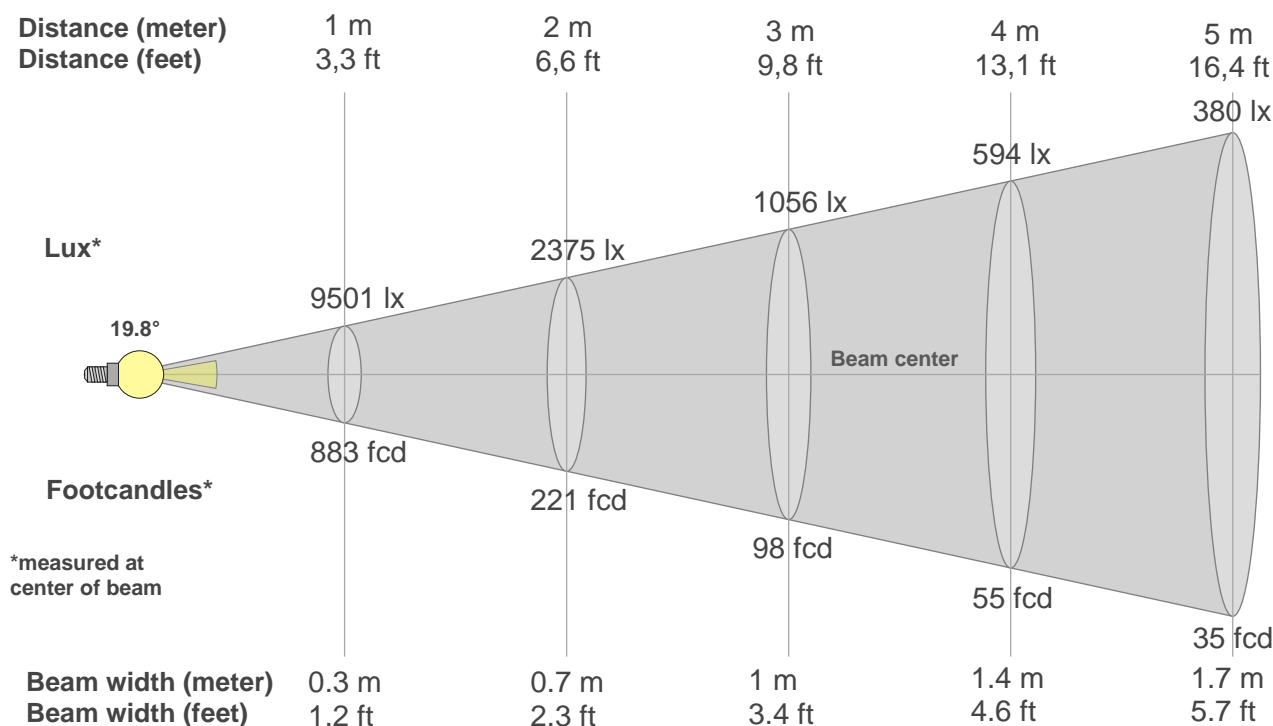
Fidelity index Rf

**Rg 95.2**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	79	-12%	0%
2	81	-8%	7%
3	78	-3%	11%
4	89	1%	7%
5	92	1%	4%
6	94	2%	-3%
7	87	-5%	-6%
8	91	-5%	-1%
9	88	-7%	5%
10	79	-5%	11%
11	80	0%	14%
12	87	7%	3%
13	89	5%	-6%
14	81	5%	-14%
15	80	-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
9501lx	2375lx	1056lx	594lx	380lx	264lx	194lx	148lx	117lx	95lx	79lx	66lx	56lx	48lx	42lx	37lx	33lx	29lx	26lx	24lx
882.7fcd	220.7fcd	98.1fcd	55.2fcd	35.3fcd	24.5fcd	18fcd	13.8fcd	10.9fcd	8.8fcd	7.3fcd	6.1fcd	5.2fcd	4.5fcd	3.9fcd	3.4fcd	3.1fcd	2.7fcd	2.4fcd	2.2fcd

#### 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°
9501	9443	9245	8915	8480	7954	7361	6722	6066	5414	4781	4181	3615	3104	2642	2235	1874	1557	1285	1049
100%	99%	97%	94%	89%	84%	77%	71%	64%	57%	50%	44%	38%	33%	28%	24%	20%	16%	14%	11%

#### 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°
9501	9451	9244	8892	8424	7859	7227	6567	5886	5213	4566	3960	3405	2896	2438	2039	1689	1383	1123	907
100%	99%	97%	94%	89%	83%	76%	69%	62%	55%	48%	42%	36%	30%	26%	21%	18%	15%	12%	10%

#### 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°
9501	9419	9208	8868	8421	7892	7302	6675	6041	5403	4780	4186	3635	3122	2663	2249	1885	1566	1296	1070
100%	99%	97%	93%	89%	83%	77%	70%	64%	57%	50%	44%	38%	33%	28%	24%	20%	16%	14%	11%

#### 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°
9501	9405	9171	8793	8322	7762	7145	6500	5846	5198	4571	3980	3434	2939	2498	2105	1763	1461	1205	992
100%	99%	97%	93%	88%	82%	75%	68%	62%	55%	48%	42%	36%	31%	26%	22%	19%	15%	13%	10%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
19.8°	38.7°	51.4°	99.7%	99.4%