

Light efficiency:

71 Lumen/Watt

Light quality:

CRI: 93.3

Color temperature:

3038 K

Output: 1100 lm

Peak: 6688 cd

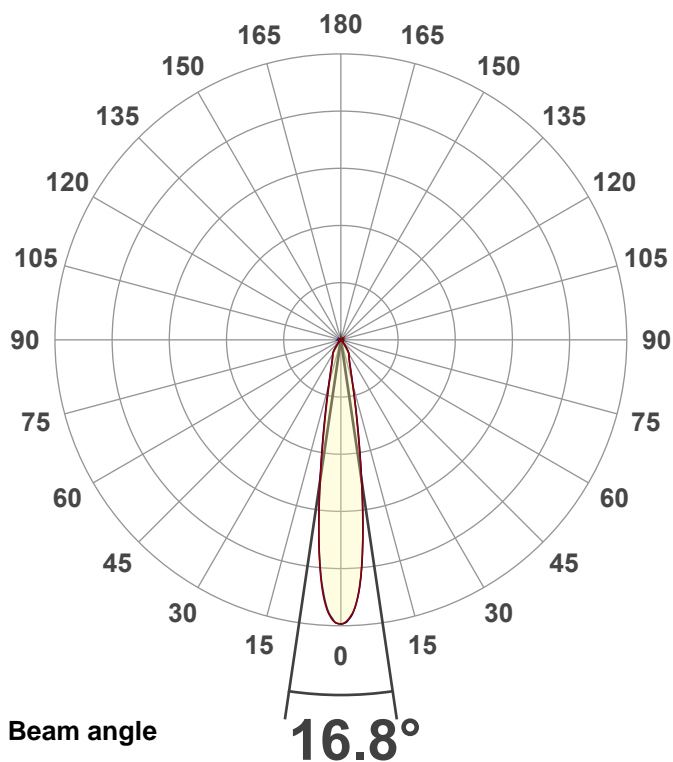
Power: 15.5 W

PF: 0.97



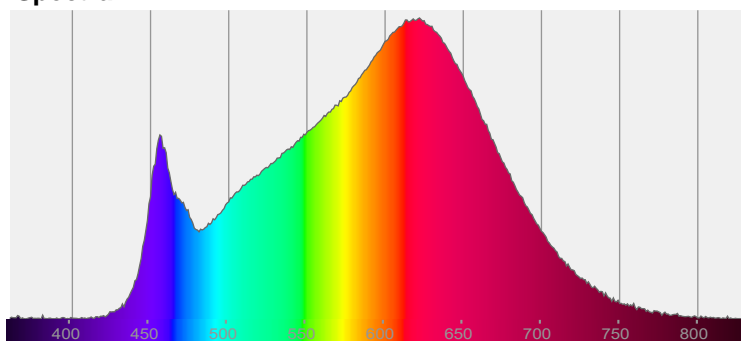
NU4-RD-TW-10LM-2765-95-15D-NL-WH-WH

Date and time:  
3/29/2023 10:41:29 AM

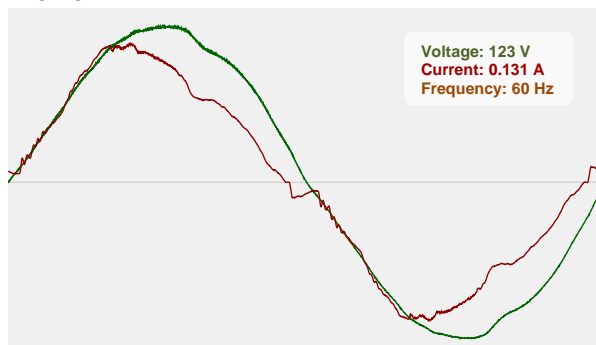


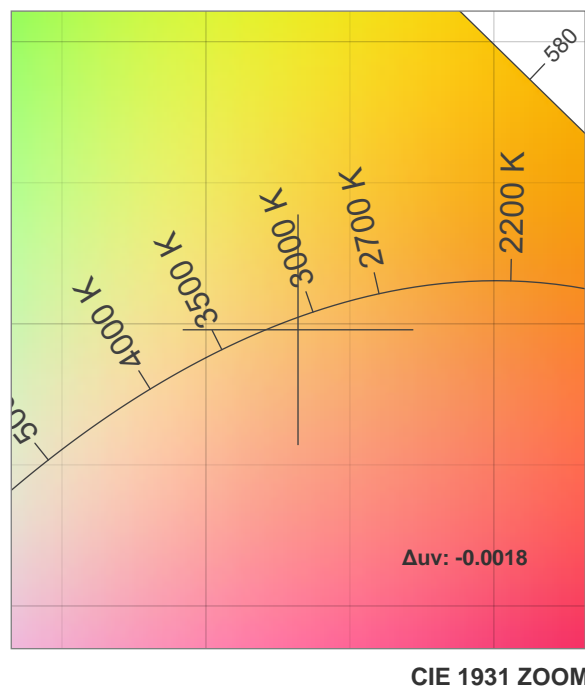
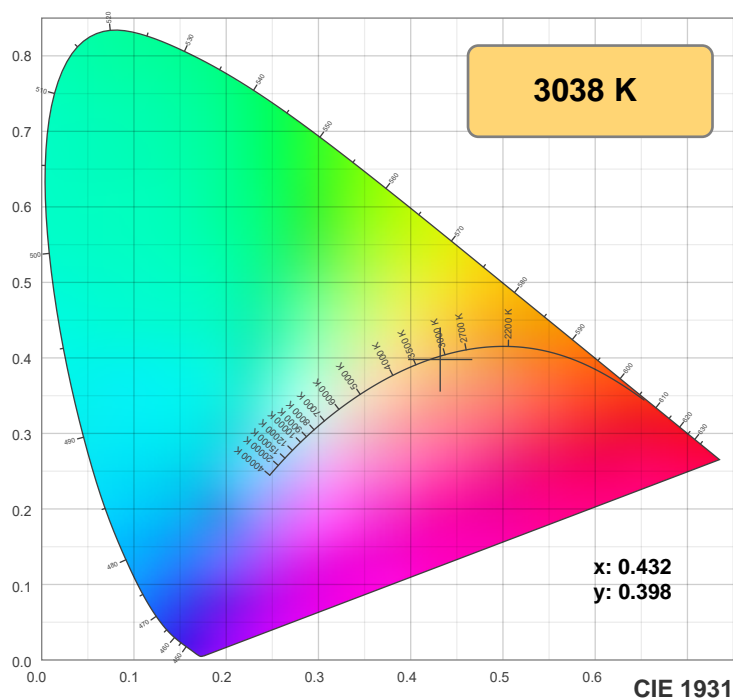
CIE 1931  
x: 0.432  
y: 0.398

Spectra

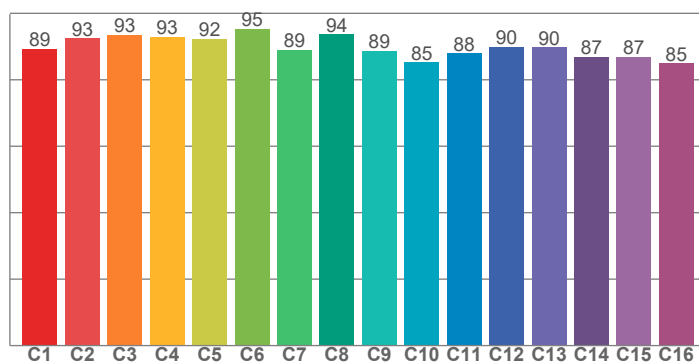


Power

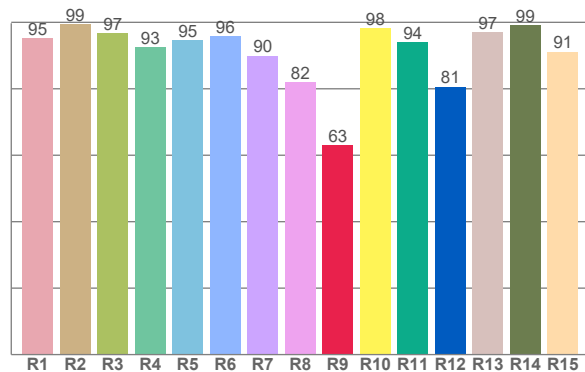




TM30: 90.2



CRI: 93.3 (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
95.2	99.4	96.7	92.6	94.7	95.8	89.9	82.0	63.0	98.2	94.0	80.6	97.0	99.2	91.1

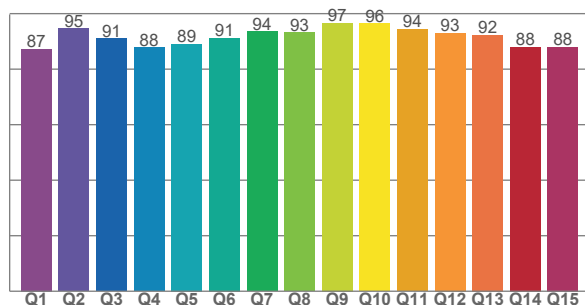
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89.3	92.5	93.5	92.9	92.3	95.4	89.0	93.7	88.8	85.2	88.0	90.0	89.8	86.9	86.9	84.9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
87.3	94.6	91.0	87.8	89.1	91.3	93.5	93.2	96.6	96.4	94.4	92.9	92.3	88.0	87.9

CQS: 91.1



## 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
3038 K	93.3	63.0	90.2	97.0	91.1	0.432	0.398	0.250	0.345	-0.0018

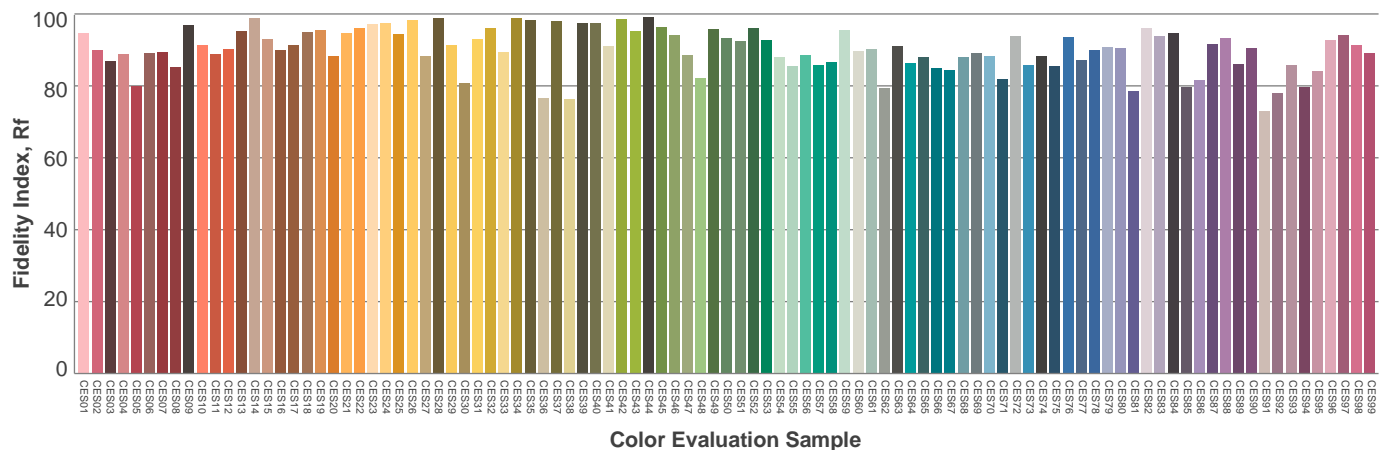
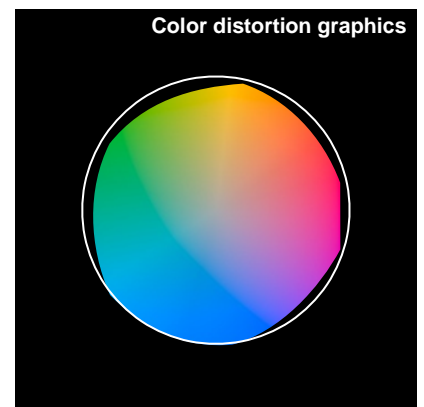
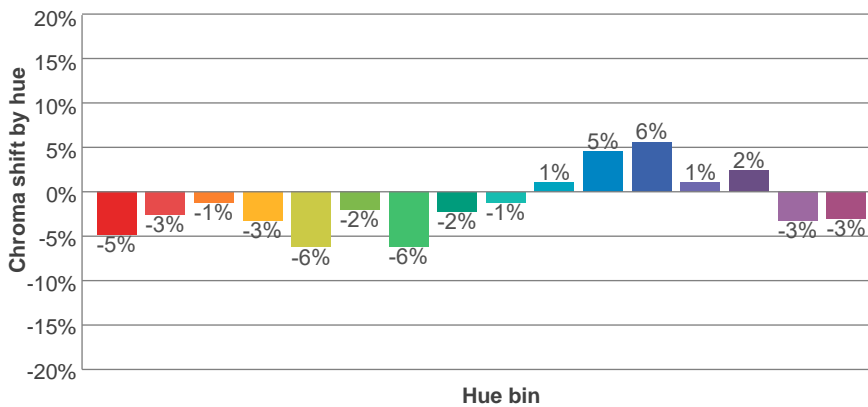
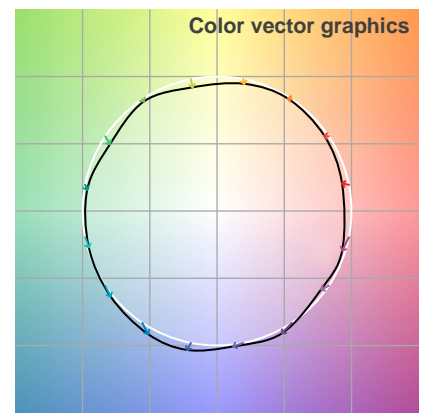
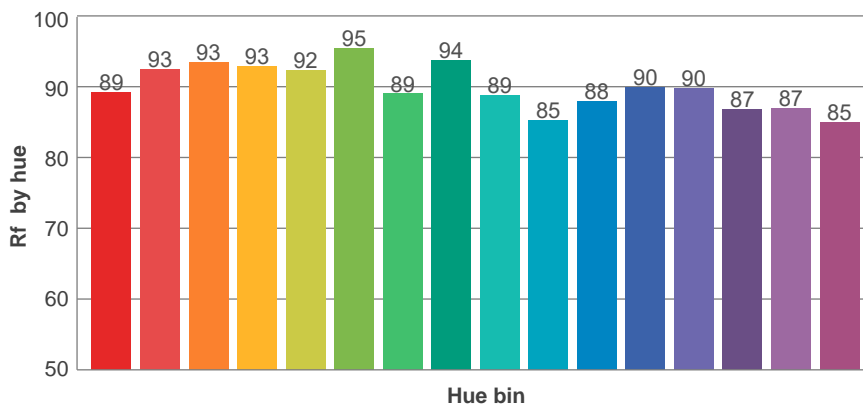
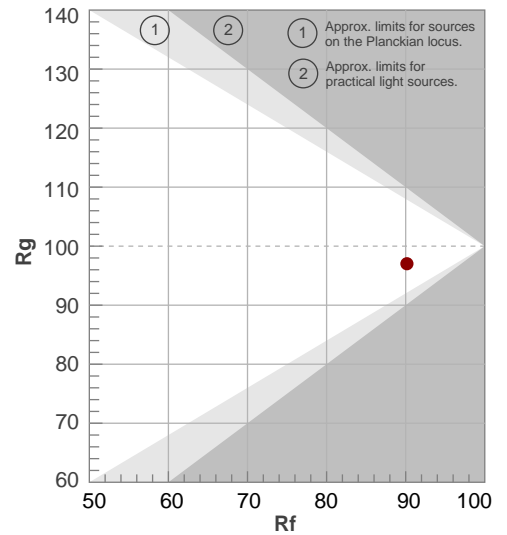
**Rf 90.2**

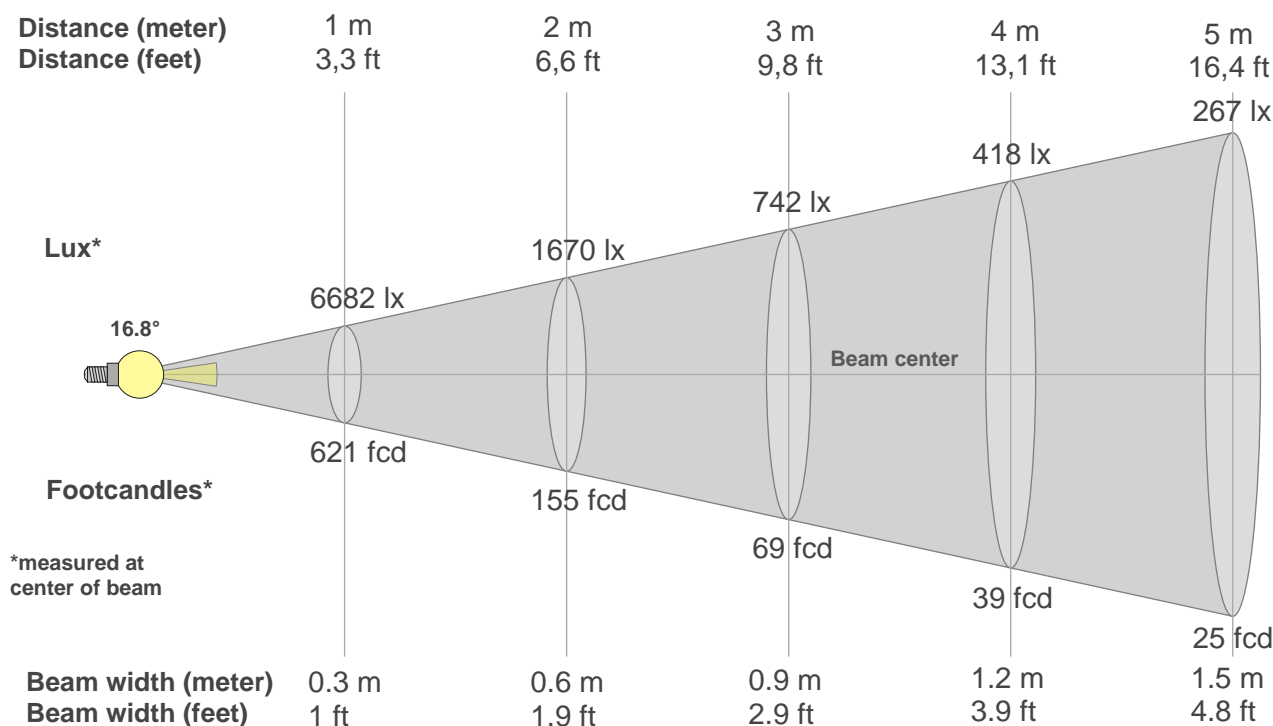
Fidelity index Rf

**Rg 97.0**

Gammut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	89	-5%	2%
2	93	-3%	2%
3	93	-1%	3%
4	93	-3%	-1%
5	92	-6%	0%
6	95	-2%	0%
7	89	-6%	3%
8	94	-2%	3%
9	89	-1%	8%
10	85	1%	9%
11	88	5%	8%
12	90	6%	-2%
13	90	1%	-8%
14	87	2%	-10%
15	87	-3%	-5%
16	85	-3%	-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
6682lx	1670lx	742lx	418lx	267lx	186lx	136lx	104lx	82lx	67lx	55lx	46lx	40lx	34lx	30lx	26lx	23lx	21lx	19lx	17lx
620.8fcd	155.2fcd	69fcd	38.8fcd	24.8fcd	17.2fcd	12.7fcd	9.7fcd	7.7fcd	6.2fcd	5.1fcd	4.3fcd	3.7fcd	3.2fcd	2.8fcd	2.4fcd	2.1fcd	1.9fcd	1.7fcd	1.6fcd

#### 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°
6682	6634	6505	6304	5963	5487	4887	4228	3570	2963	2440	2025	1697	1431	1226	1063	939	839	756	689
100%	99%	97%	94%	89%	82%	73%	63%	53%	44%	37%	30%	25%	21%	18%	16%	14%	13%	11%	10%

#### 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°
6682	6650	6528	6310	5978	5503	4904	4254	3607	3005	2497	2083	1745	1464	1244	1069	931	825	738	667
100%	100%	98%	94%	89%	82%	73%	64%	54%	45%	37%	31%	26%	22%	19%	16%	14%	12%	11%	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°
6682	6654	6547	6335	5995	5508	4906	4237	3571	2960	2437	2015	1686	1428	1221	1063	939	838	758	689
100%	100%	98%	95%	90%	82%	73%	63%	53%	44%	36%	30%	25%	21%	18%	16%	14%	13%	11%	10%

#### 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°
6682	6657	6518	6297	5937	5472	4895	4247	3604	3008	2509	2091	1756	1495	1282	1115	979	870	783	710
100%	100%	98%	94%	89%	82%	73%	64%	54%	45%	38%	31%	26%	22%	19%	17%	15%	13%	12%	11%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
16.8°	38.7°	72.7°	99.5%	99.3%