

Light efficiency:

67 Lumen/Watt

Light quality:

CRI: 93.3

Color temperature:

3038 K

Output: 1034 lm

Peak: 6286 cd

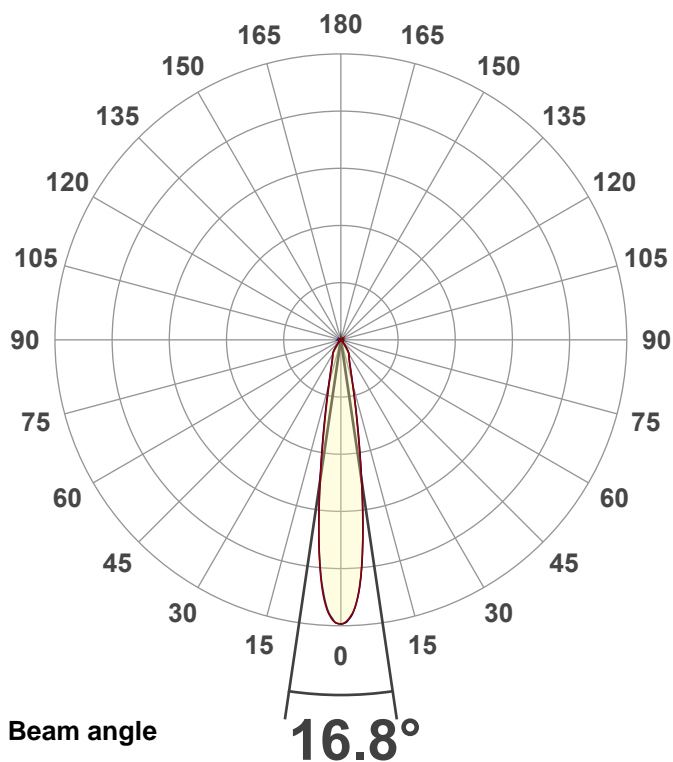
Power: 15.5 W

PF: 0.97



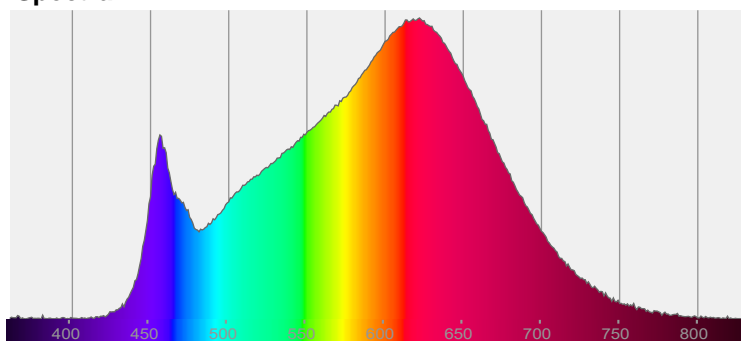
NU4-RD-TW-10LM-2765-95-15D-CL-WH-WH

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

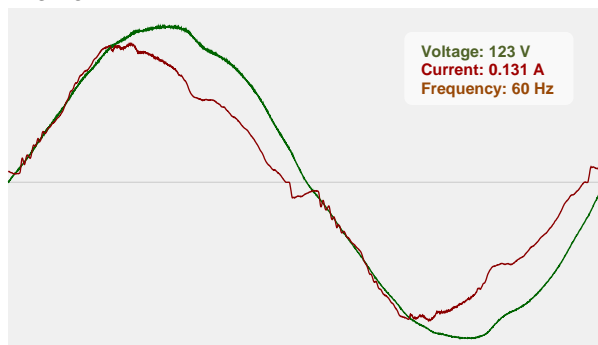


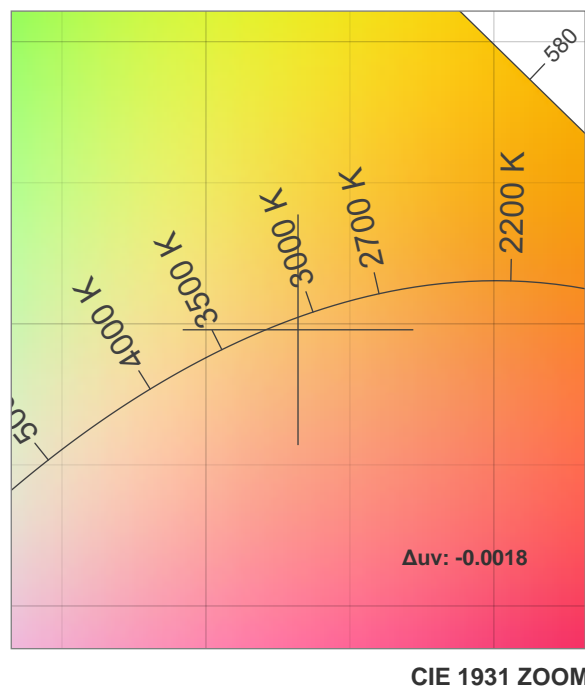
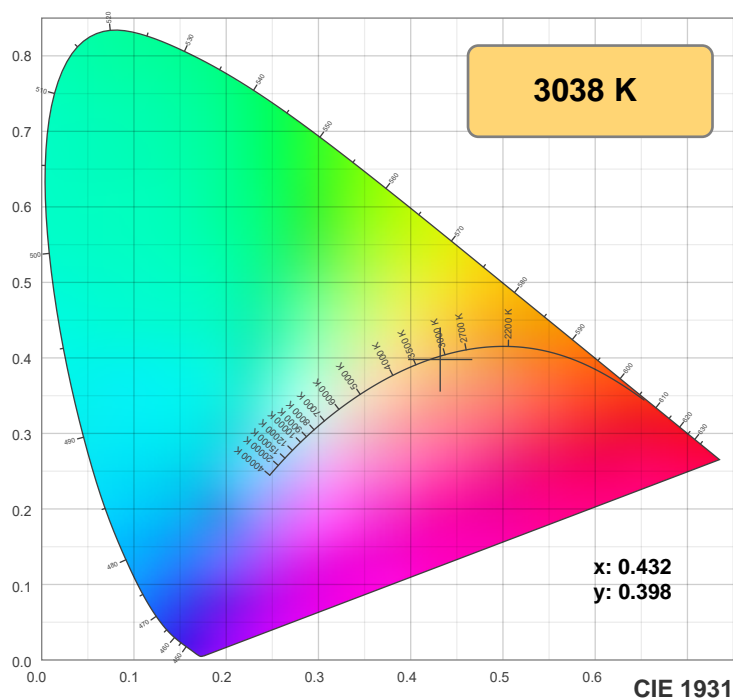
CIE 1931  
x: 0.432  
y: 0.398

Spectra

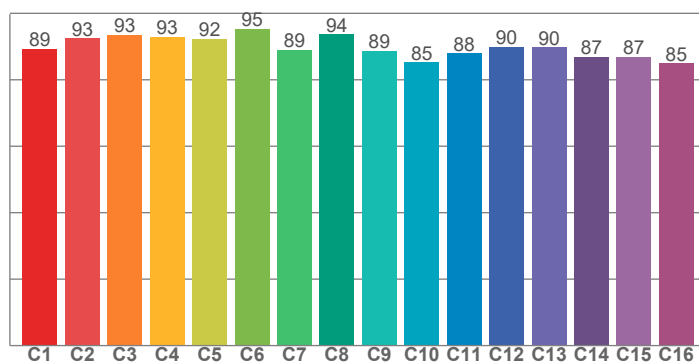


Power

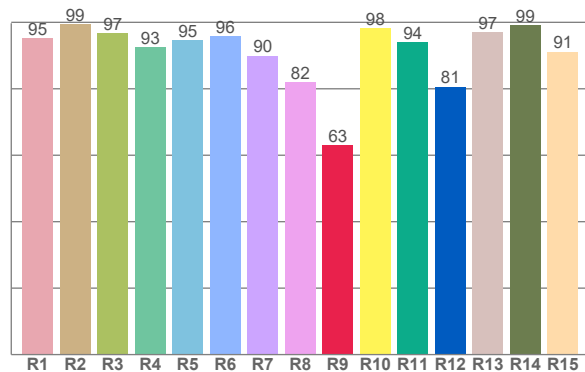




TM30: 90.2



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

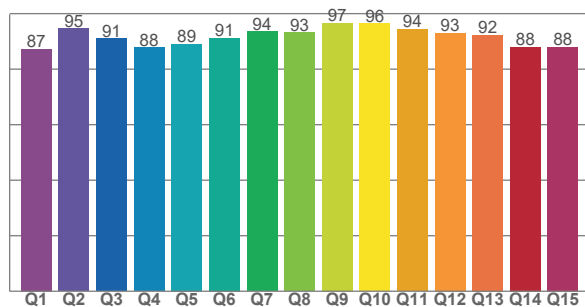
TM30 C values, 16 binned values out of total of 99 C values

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

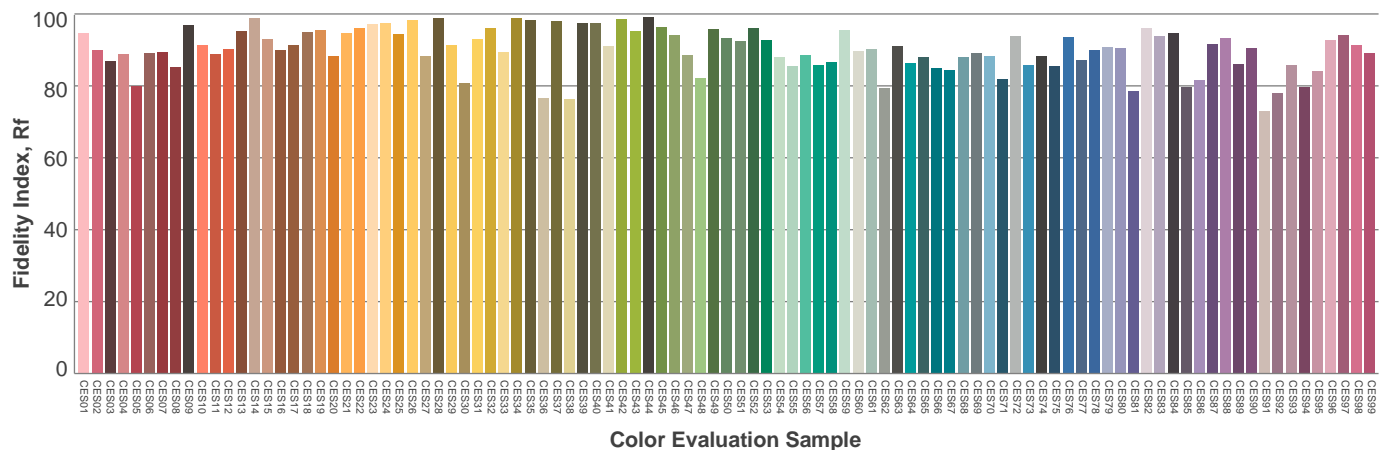
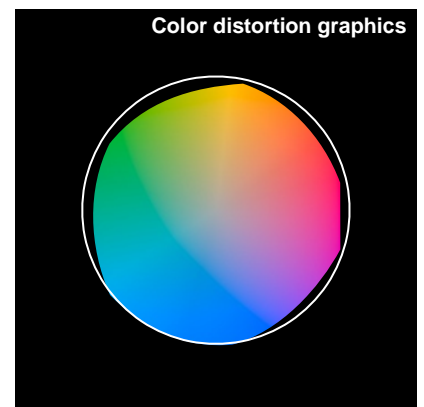
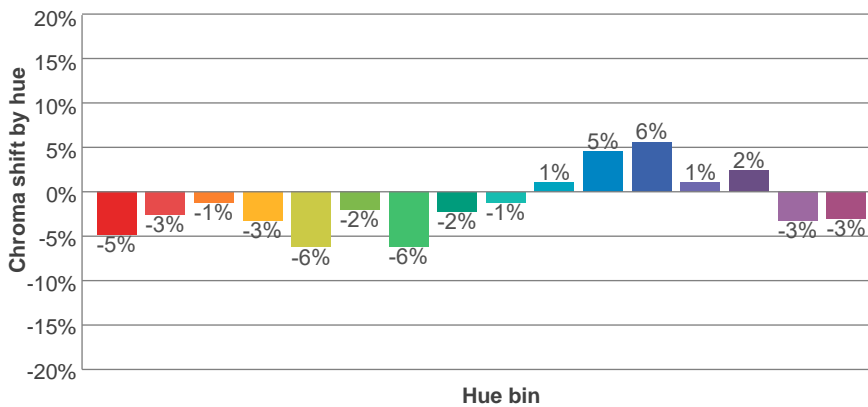
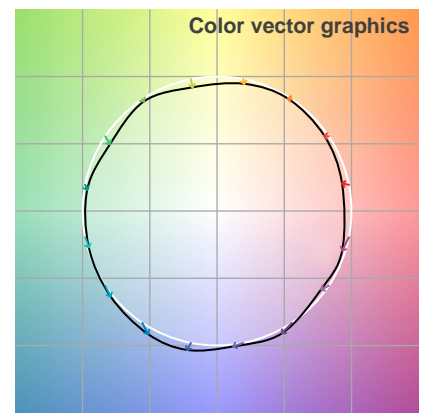
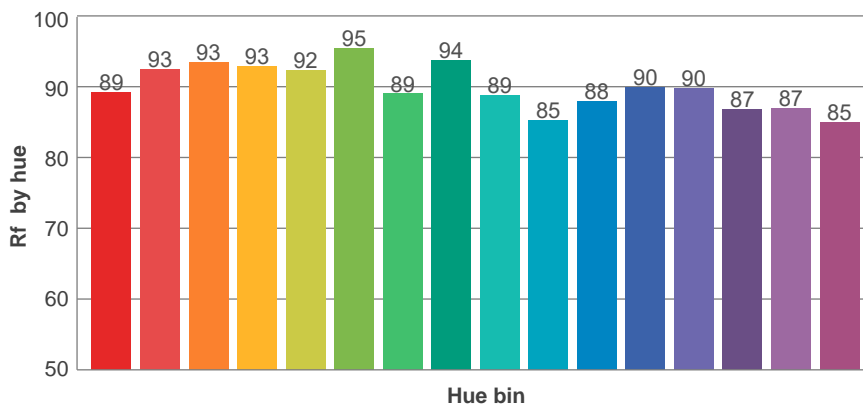
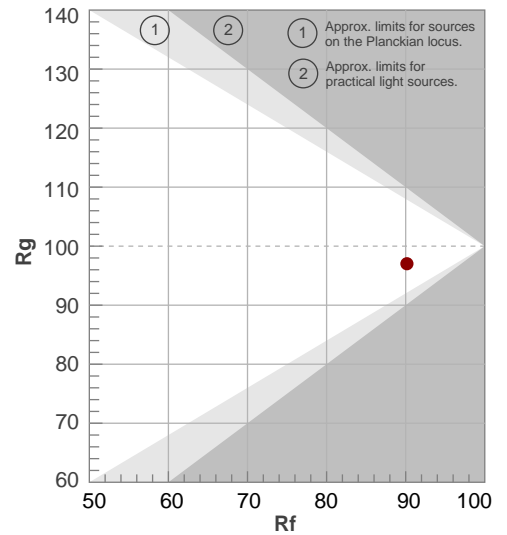
**Rf 90.2**

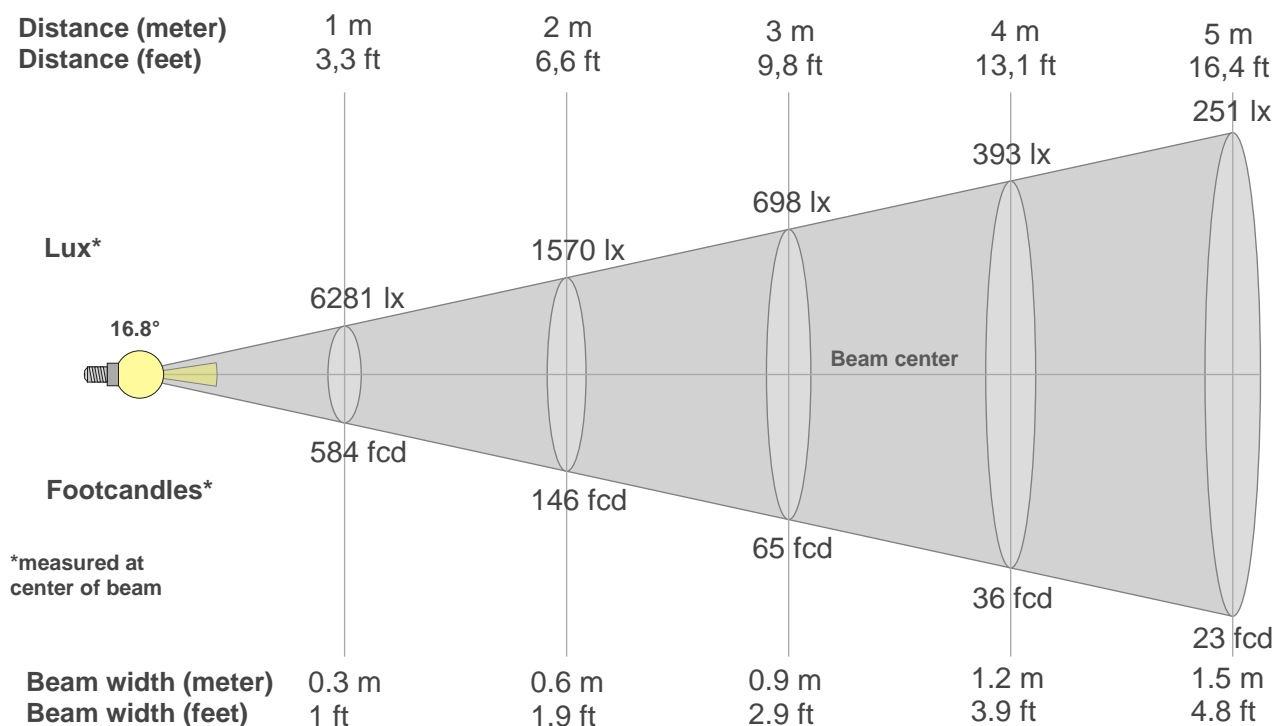
Fidelity index Rf

**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
6281lx	1570lx	698lx	393lx	251lx	174lx	128lx	98lx	78lx	63lx	52lx	44lx	37lx	32lx	28lx	25lx	22lx	19lx	17lx	16lx
583.5fc	145.9fc	64.8fcd	36.5fcd	23.3fcd	16.2fcd	11.9fcd	9.1fcd	7.2fcd	5.8fcd	4.8fcd	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°
6281	6236	6115	5926	5606	5158	4593	3974	3356	2785	2294	1903	1595	1345	1153	999	883	789	710	648
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°
6281	6251	6136	5932	5619	5173	4610	3999	3391	2825	2347	1958	1640	1377	1169	1005	875	776	694	627
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°
6281	6254	6154	5955	5635	5178	4612	3983	3357	2782	2290	1894	1585	1342	1148	999	882	788	713	647
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°
6281	6258	6127	5919	5581	5144	4601	3992	3388	2828	2358	1965	1650	1406	1206	1048	920	818	736	667
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%