

Light efficiency:

73 Lumen/Watt

Light quality:

CRI: 93.4

Color temperature:

3028 K

Output: 1785 lm

Peak: 6350 cd

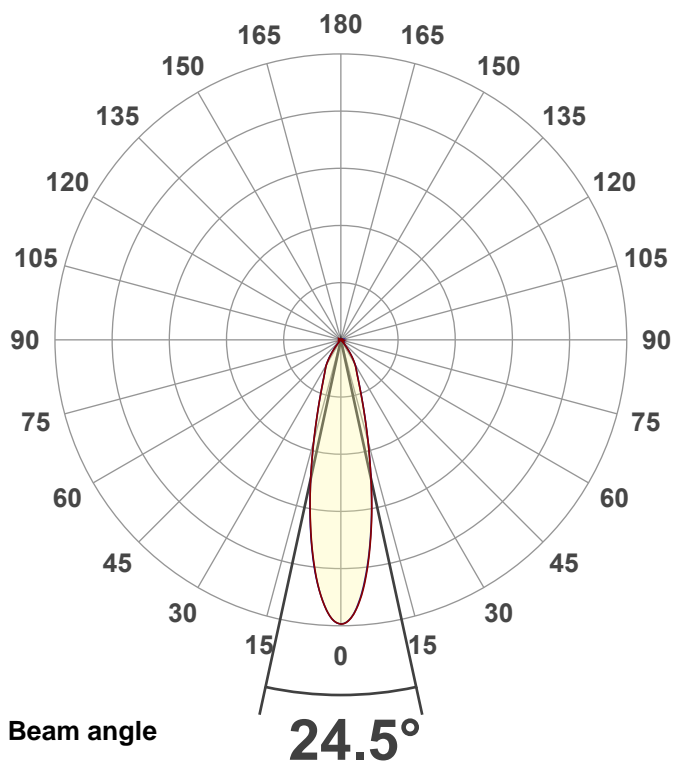
Power: 24.4 W

PF: 0.98



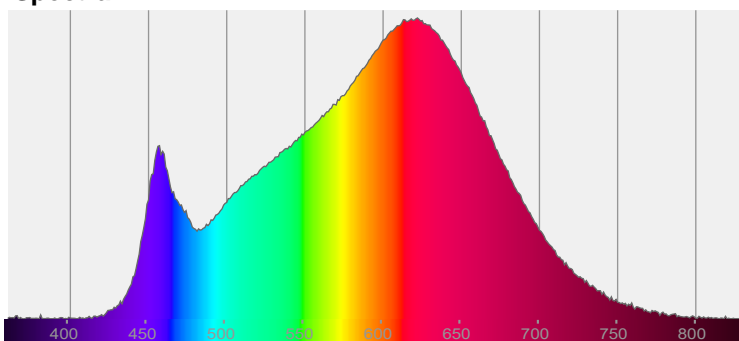
NU4-RD-TW-20LM-2765-95-25D-CL-WH-WH

Date and time:
3/24/2023 1:23:01 PM

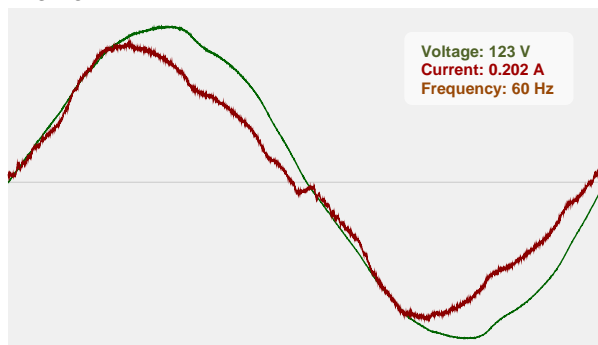


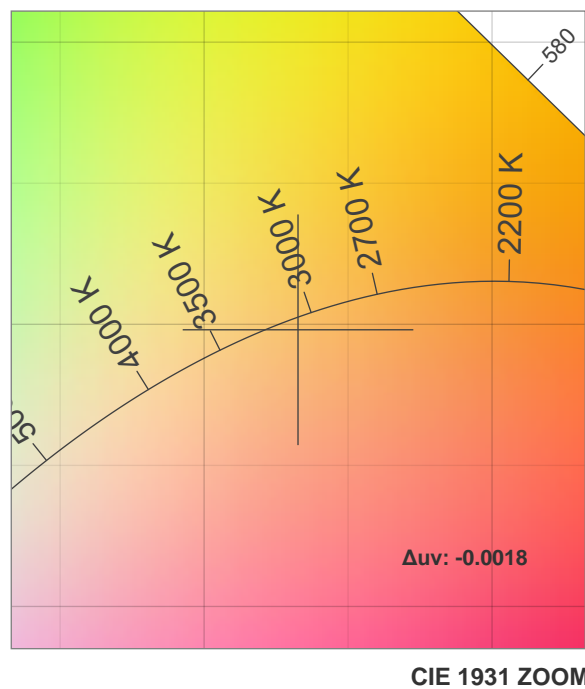
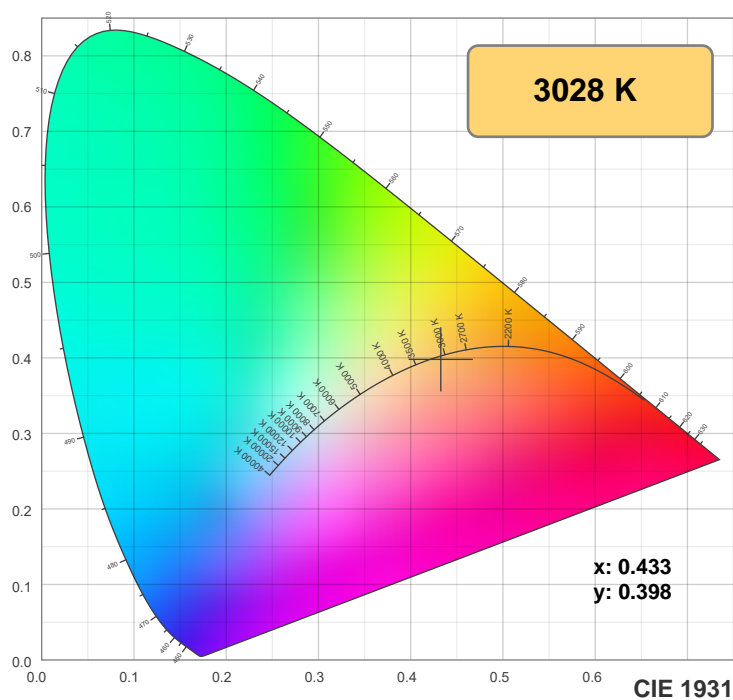
CIE 1931
x: 0.433
y: 0.398

Spectra

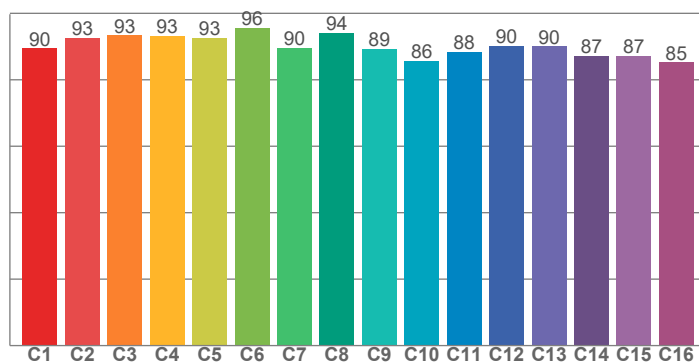


Power

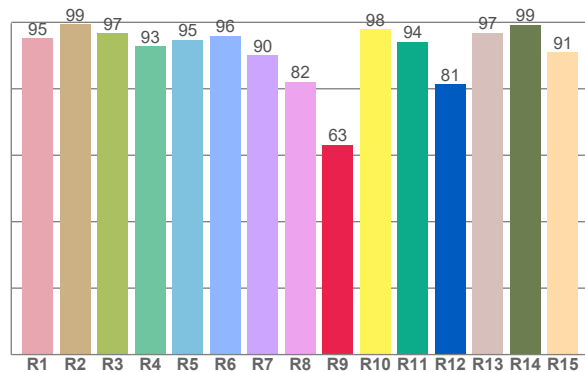




TM30: 90.5



CRI: 93.4 (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
95.1	99.4	96.8	92.7	94.7	96.0	90.1	82.1	63.1	97.9	94.1	81.4	96.9	99.3	91.1

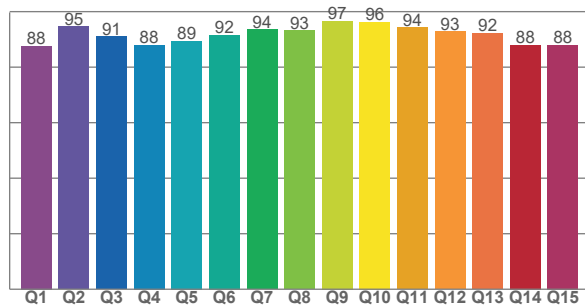
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89.5	92.6	93.4	93.3	92.7	95.7	89.7	94.2	89.3	85.7	88.3	90.2	90.0	87.2	87.3	85.3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
87.6	94.7	91.0	88.0	89.5	91.6	93.5	93.2	96.6	96.3	94.3	92.9	92.2	88.0	88.0

CQS: 91.2



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
3028 K	93.4	63.1	90.5	97.2	91.2	0.433	0.398	0.250	0.346	-0.0018

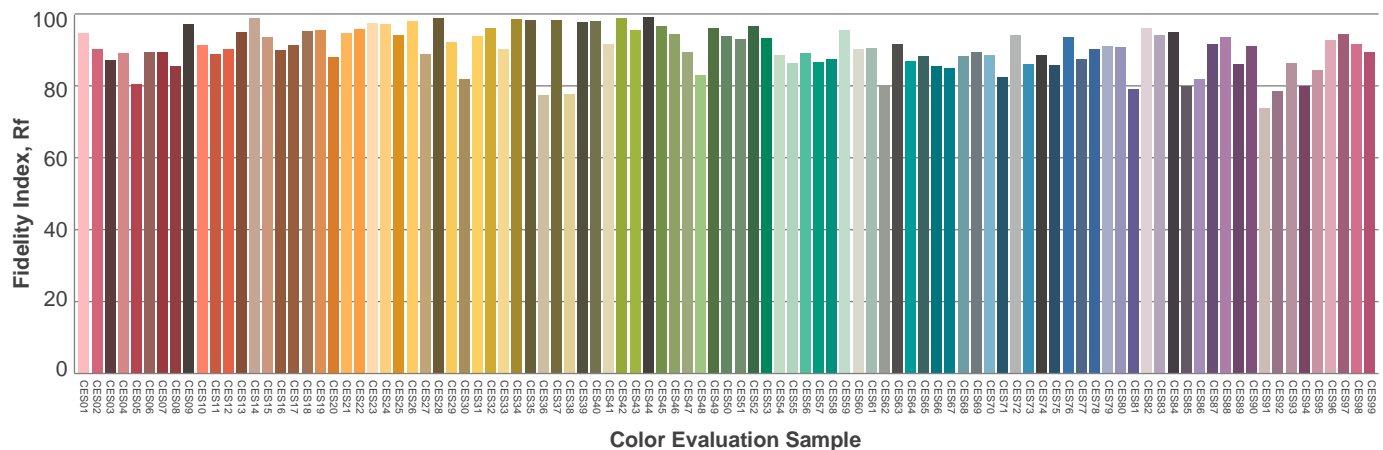
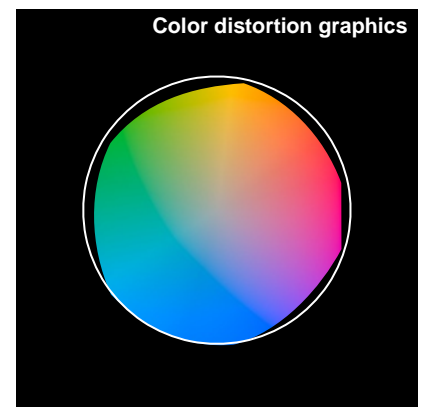
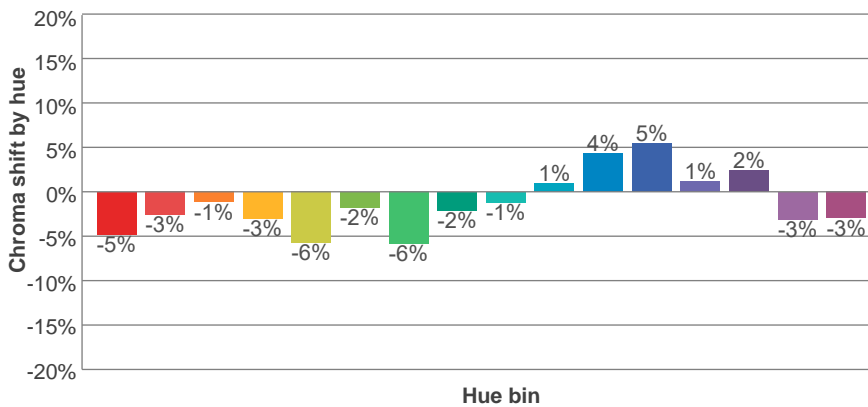
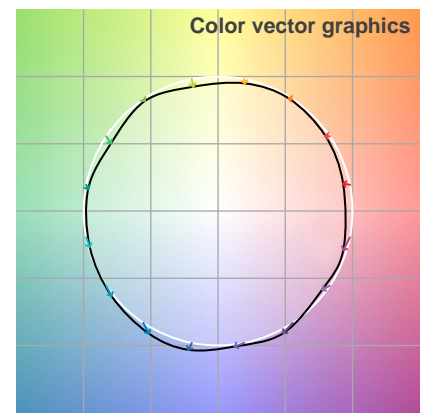
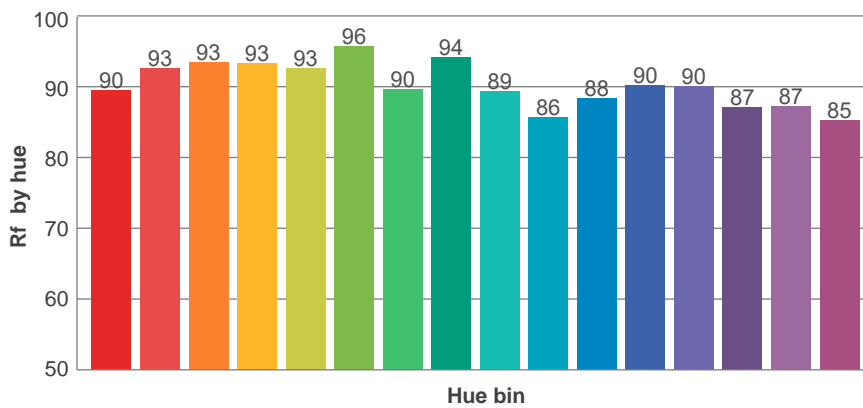
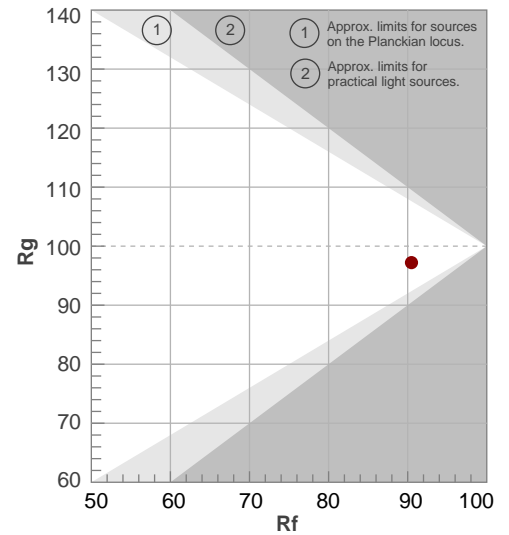
Rf 90.5

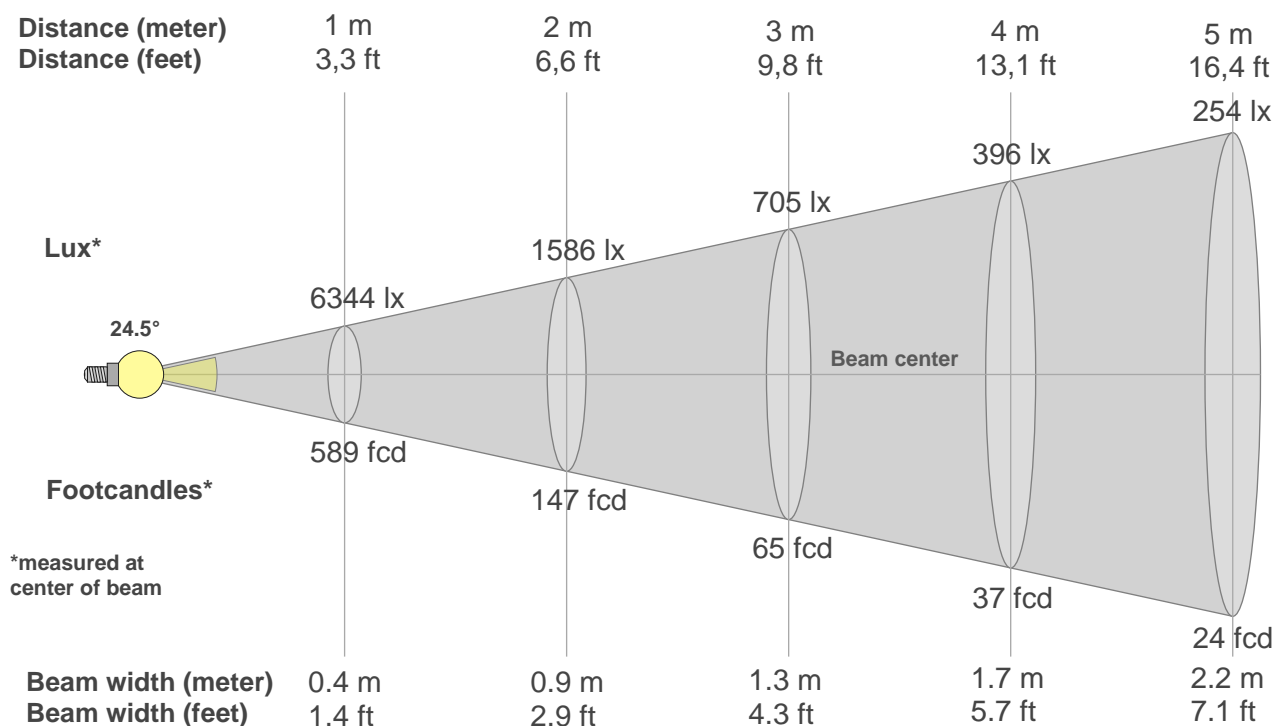
Fidelity index Rf

Rg 97.2

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	90	-5%	2%
2	93	-3%	2%
3	93	-1%	3%
4	93	-3%	-1%
5	93	-6%	0%
6	96	-2%	0%
7	90	-6%	3%
8	94	-2%	3%
9	89	-1%	7%
10	86	1%	8%
11	88	4%	8%
12	90	5%	-1%
13	90	1%	-8%
14	87	2%	-10%
15	87	-3%	-5%
16	85	-3%	-10%





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
6344lx	1586lx	705lx	396lx	254lx	176lx	129lx	99lx	78lx	63lx	52lx	44lx	38lx	32lx	28lx	25lx	22lx	20lx	18lx	16lx
589.3fcd	147.3fcd	65.5fcd	36.8fcd	23.6fcd	16.4fcd	12fcd	9.2fcd	7.3fcd	5.9fcd	4.9fcd	4.1fcd	3.5fcd	3fcd	2.6fcd	2.3fcd	2fcd	1.8fcd	1.6fcd	1.5fcd

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°
6344	6228	5876	5337	4674	3972	3261	2625	2090	1669	1348	1112	938	812	716	625	520	403	280	171
100%	98%	93%	84%	74%	63%	51%	41%	33%	26%	21%	18%	15%	13%	11%	10%	8%	6%	4%	3%

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°
6344	6220	5850	5297	4642	3944	3254	2622	2091	1670	1351	1114	938	811	728	633	516	399	284	173
100%	98%	92%	84%	73%	62%	51%	41%	33%	26%	21%	18%	15%	13%	11%	10%	8%	6%	4%	3%

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°
6344	6209	5841	5300	4647	3945	3262	2627	2087	1667	1354	1120	952	831	737	649	535	404	285	173
100%	98%	92%	84%	73%	62%	51%	41%	33%	26%	21%	18%	15%	13%	12%	10%	8%	6%	4%	3%

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°
6344	6215	5837	5319	4669	3959	3254	2611	2069	1657	1346	1117	949	824	733	649	539	425	296	192
100%	98%	92%	84%	74%	62%	51%	41%	33%	26%	21%	18%	15%	13%	12%	10%	8%	7%	5%	3%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
24.5°	60.2°	76.7°	99.5%	99.3%