

Light efficiency:

78 Lumen/Watt

Light quality:

CRI: 93.4

Color temperature:

3028 K

Output: 1899 lm

Peak: 6756 cd

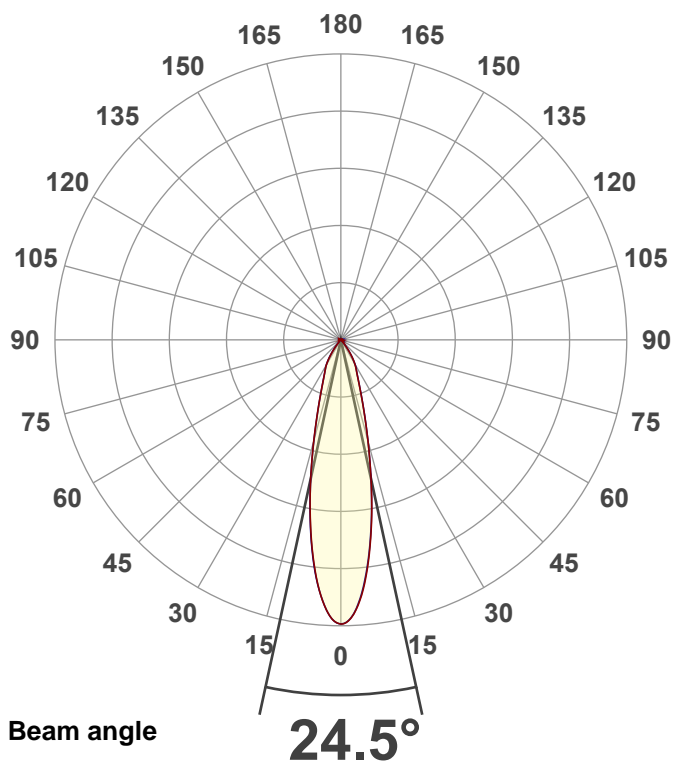
Power: 24.4 W

PF: 0.98



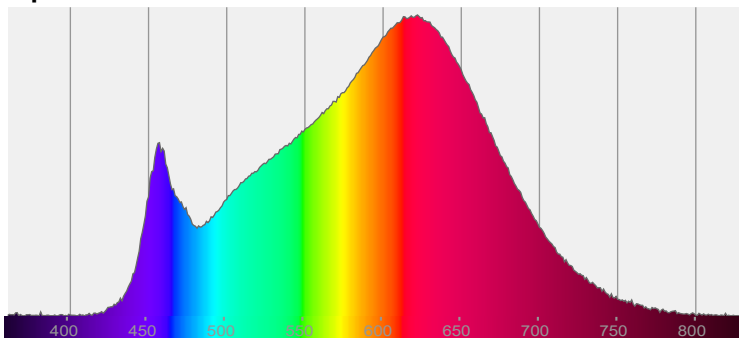
NU4-RD-TW-20LM-2765-95-25D-NL-WH-WH

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

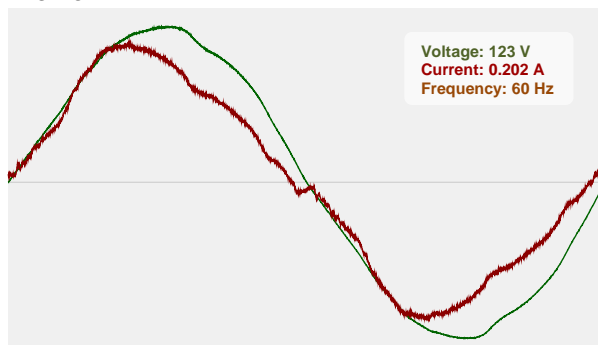


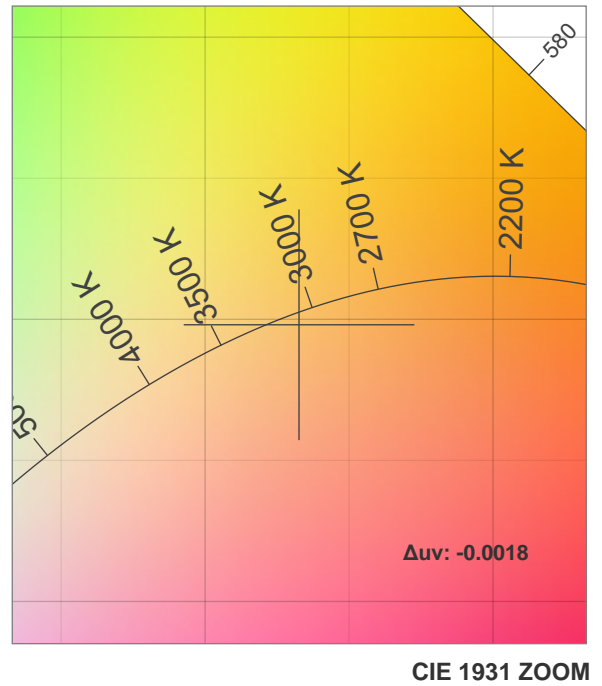
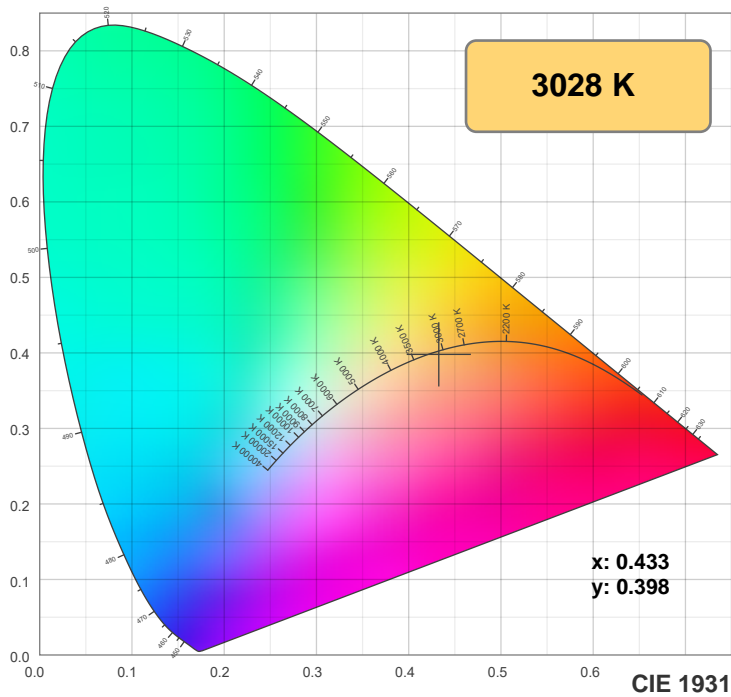
CIE 1931
x: 0.433
y: 0.398

Spectra

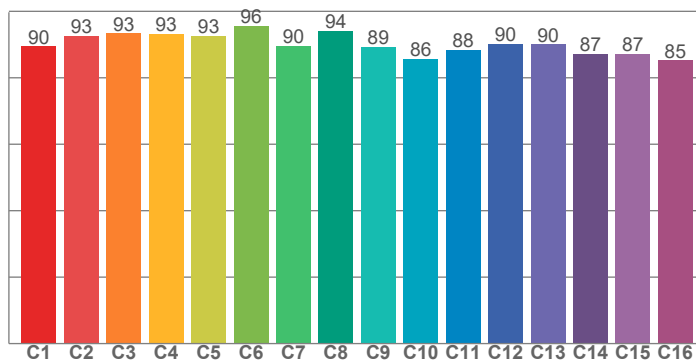


Power

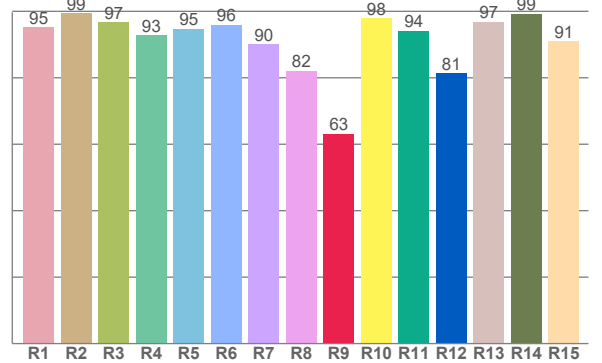




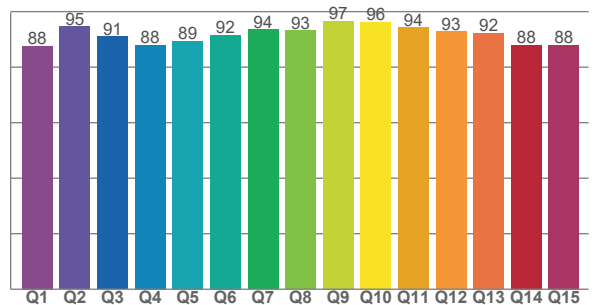
TM30: 90.5



CRI: 93.4 (R1-R8)



CQS: 91.2



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

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

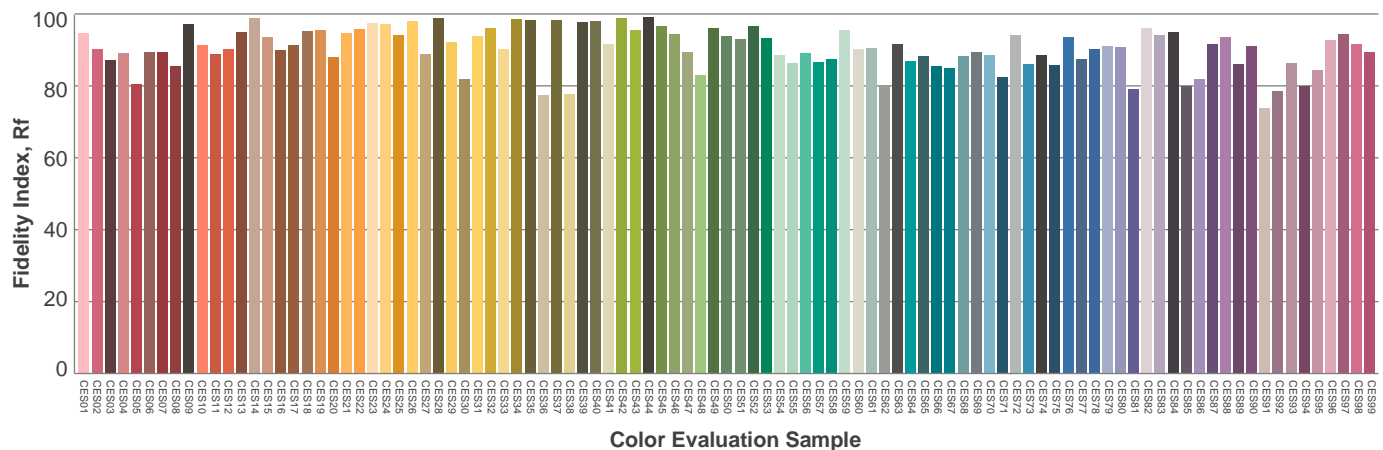
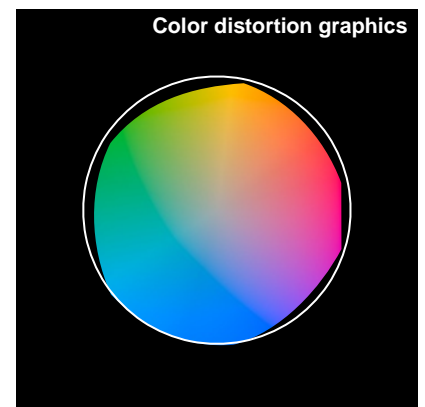
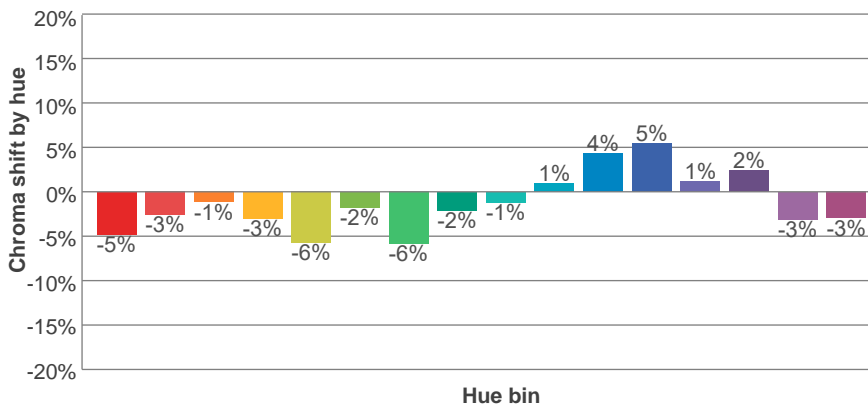
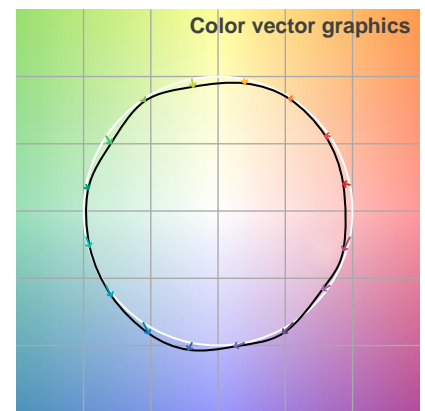
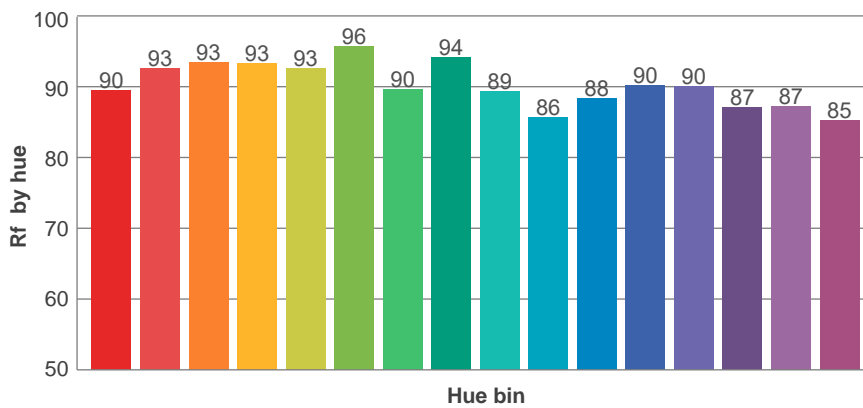
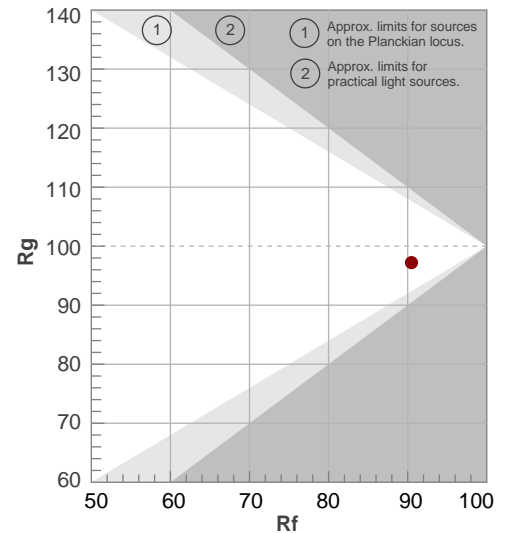
Rf 90.5

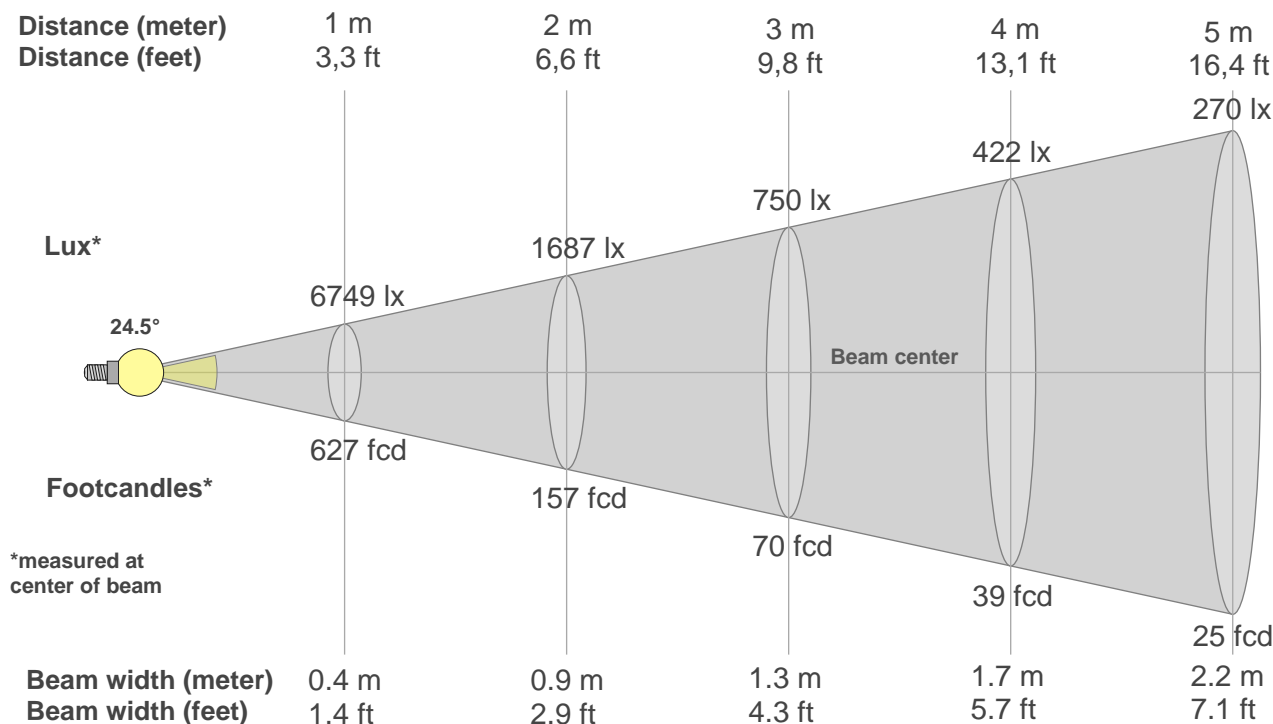
Fidelity index Rf

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
6749lx	1687lx	750lx	422lx	270lx	187lx	138lx	105lx	83lx	67lx	56lx	47lx	40lx	34lx	30lx	26lx	23lx	21lx	19lx	17lx
627fcd	156.7fcd	69.7fcd	39.2fcd	25.1fcd	17.4fcd	12.8fcd	9.8fcd	7.7fcd	6.3fcd	5.2fcd	4.4fcd	3.7fcd	3.2fcd	2.8fcd	2.4fcd	2.2fcd	1.9fcd	1.7fcd	1.6fcd

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°
6749	6625	6251	5678	4972	4226	3469	2793	2223	1776	1434	1183	998	864	762	665	554	428	298	182
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°
6749	6618	6224	5635	4939	4196	3462	2789	2225	1777	1438	1185	998	862	774	673	549	424	302	184
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°
6749	6606	6214	5638	4943	4197	3470	2795	2220	1773	1440	1192	1013	884	784	691	569	430	303	184
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°
6749	6612	6210	5659	4968	4212	3462	2777	2202	1763	1432	1188	1009	877	780	690	573	452	315	204
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%