

Light efficiency:

78 Lumen/Watt

Light quality:

CRI: 93.2

Color temperature:

3025 K

Output: 1934 lm

Peak: 2697 cd

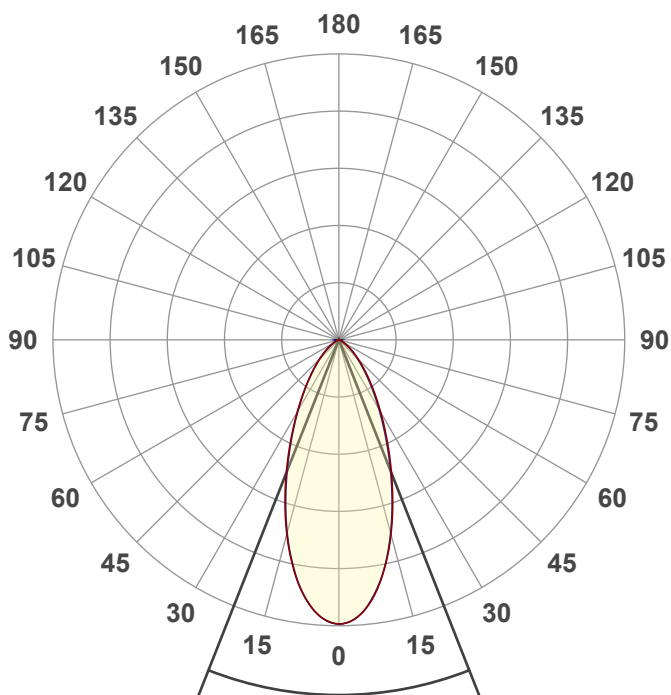
Power: 25.0 W

PF: 0.98



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

Date and time:
3/27/2023 9:53:59 AM



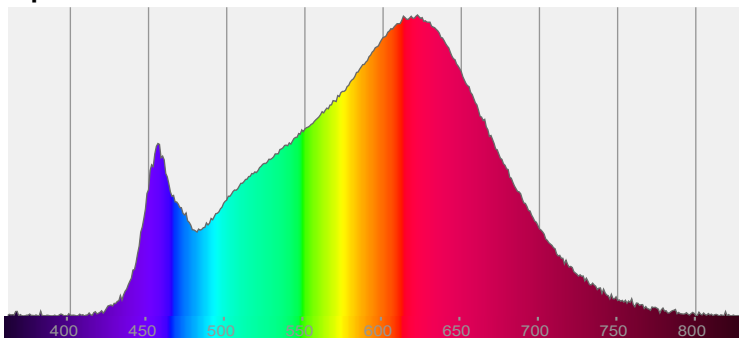
Beam angle

43.1°

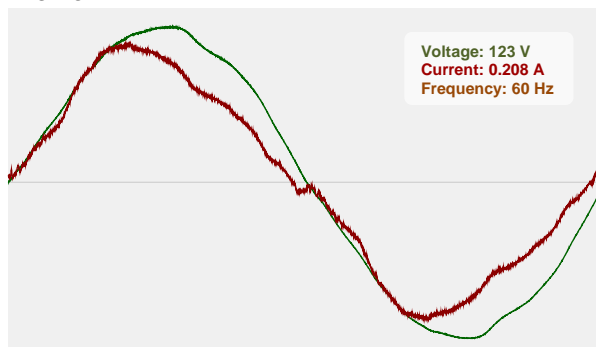


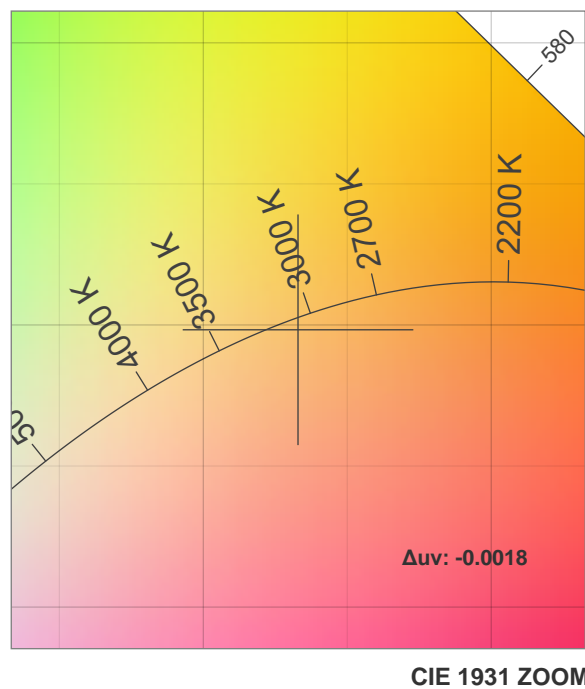
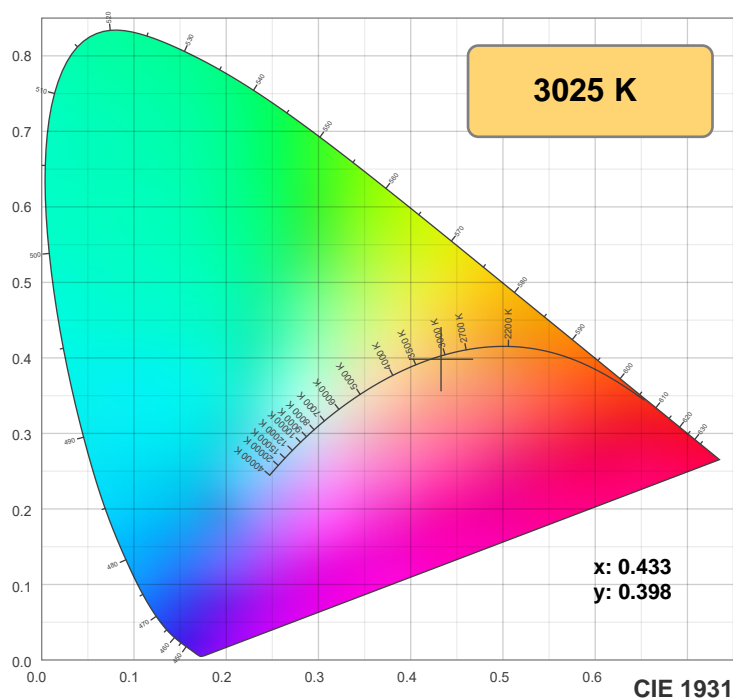
CIE 1931
x: 0.433
y: 0.398

Spectra

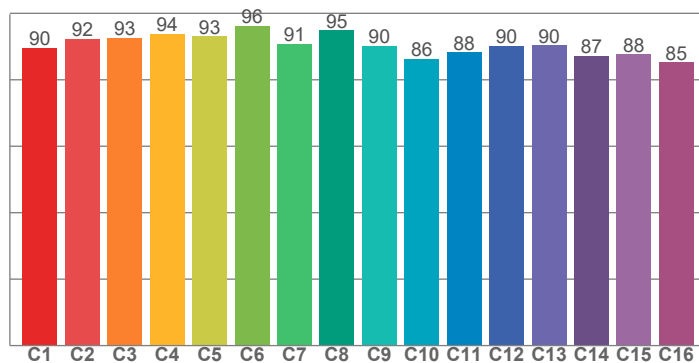


Power

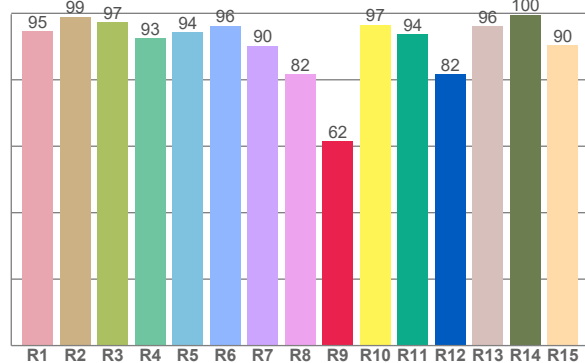




TM30: 90.7



CRI: 93.2 (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
94.5	99.0	97.3	92.6	94.3	96.3	90.3	81.7	61.5	96.6	93.8	81.6	96.2	99.6	90.5

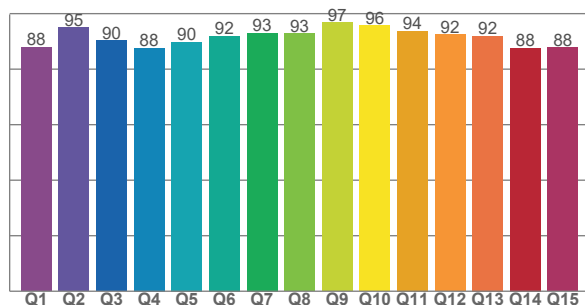
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89.6	92.3	92.5	93.9	93.0	96.2	90.8	94.9	90.2	86.2	88.3	90.1	90.4	87.1	87.6	85.3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
87.9	94.9	90.3	87.7	89.8	92.0	93.1	92.8	96.8	95.7	93.8	92.4	91.9	87.6	87.7

CQS: 91.0



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
3025 K	93.2	61.5	90.7	97.6	91.0	0.433	0.398	0.250	0.346	-0.0018

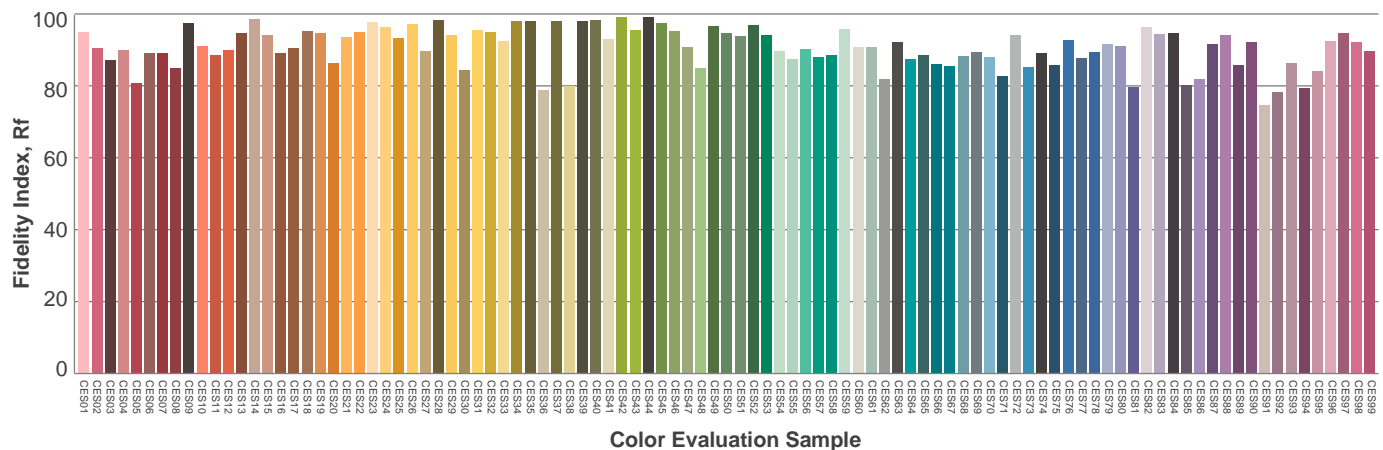
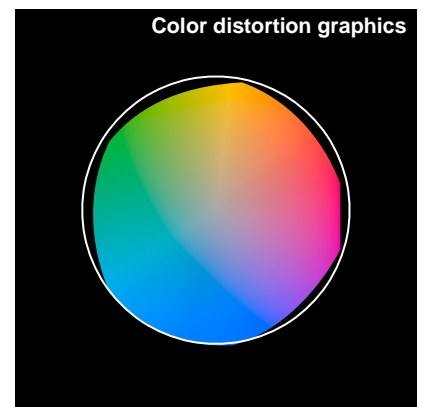
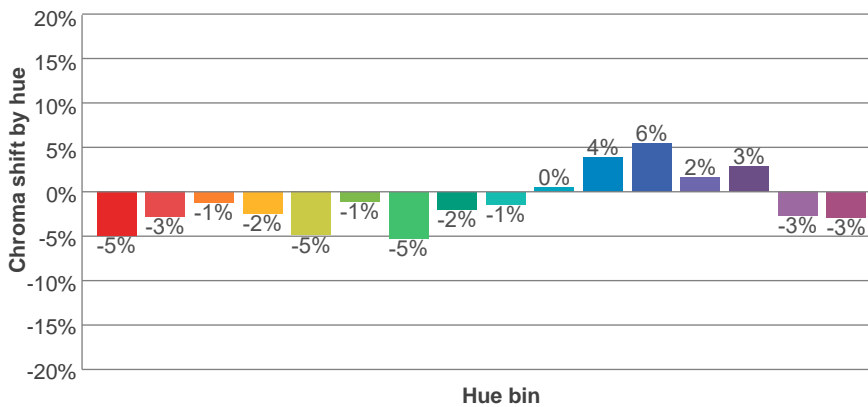
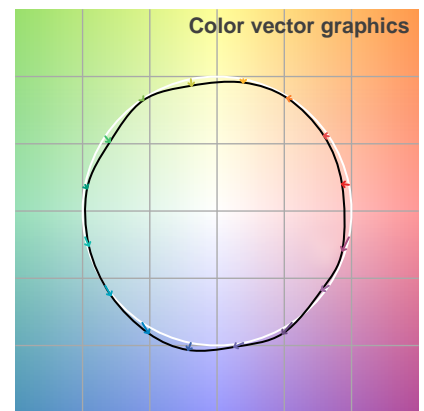
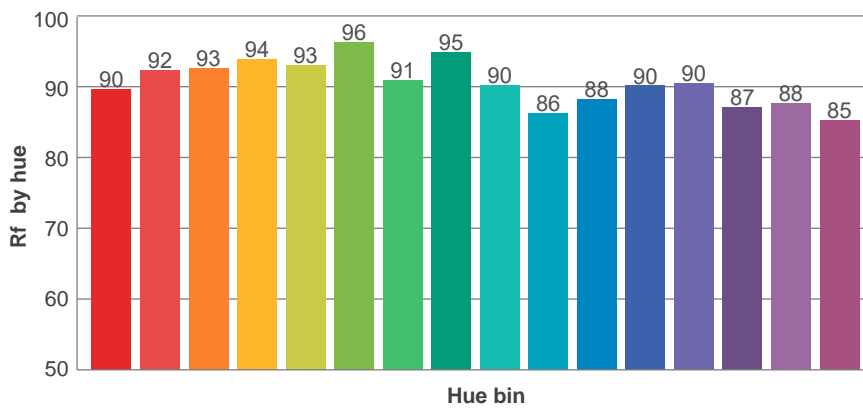
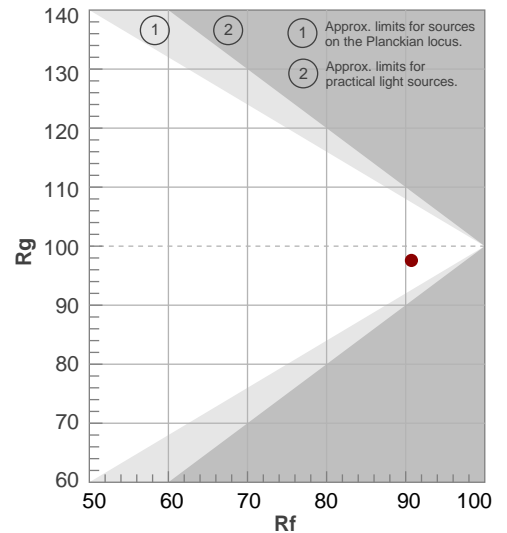
Rf 90.7

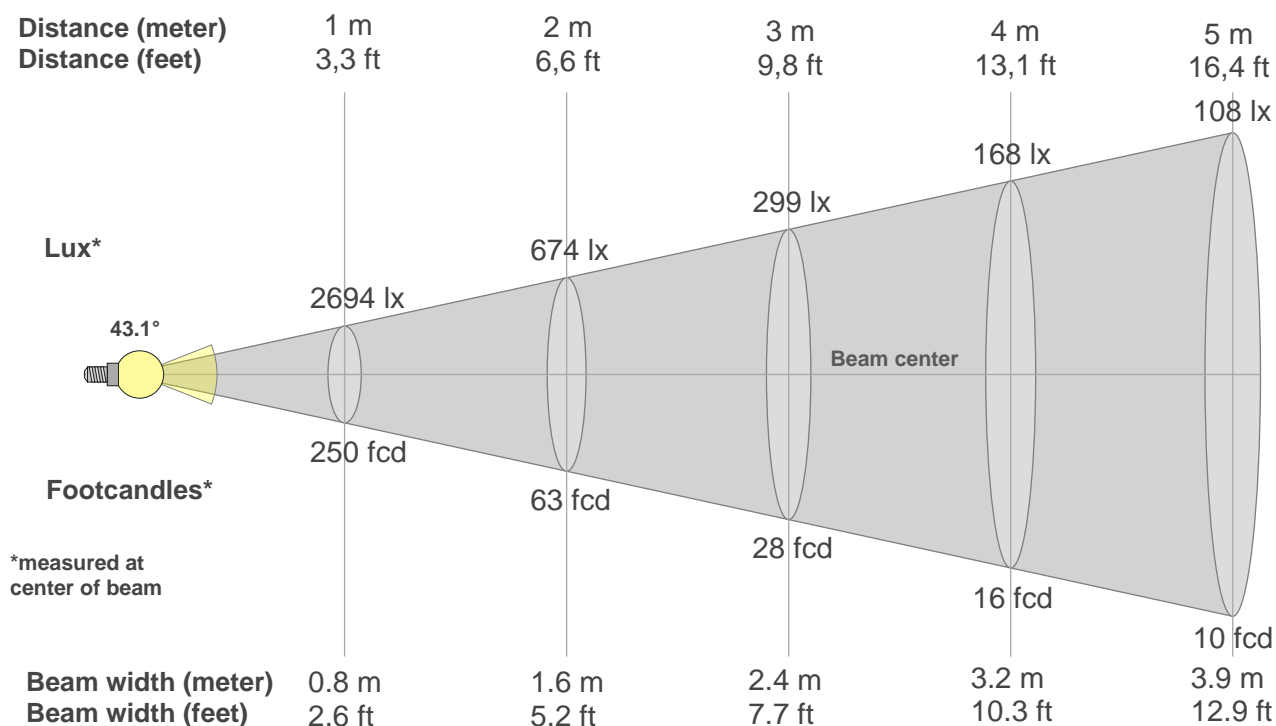
Fidelity index Rf

Rg 97.6

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	90	-5%	1%
2	92	-3%	2%
3	93	-1%	3%
4	94	-2%	0%
5	93	-5%	0%
6	96	-1%	0%
7	91	-5%	2%
8	95	-2%	2%
9	90	-1%	7%
10	86	0%	8%
11	88	4%	8%
12	90	6%	-1%
13	90	2%	-7%
14	87	3%	-10%
15	88	-3%	-6%
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
2694lx	674lx	299lx	168lx	108lx	75lx	55lx	42lx	33lx	27lx	22lx	19lx	16lx	14lx	12lx	11lx	9lx	8lx	7lx	7lx
250.3fcd	62.6fcd	27.8fcd	15.6fcd	10fcd	7fcd	5.1fcd	3.9fcd	3.1fcd	2.5fcd	2.1fcd	1.7fcd	1.5fcd	1.3fcd	1.1fcd	1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd

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°
2694	2681	2630	2549	2443	2308	2157	1996	1826	1654	1484	1324	1174	1033	909	795	694	604	524	452
100%	99%	98%	95%	91%	86%	80%	74%	68%	61%	55%	49%	44%	38%	34%	30%	26%	22%	19%	17%

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°
2694	2678	2630	2546	2432	2302	2150	1984	1811	1635	1463	1299	1145	1005	877	763	663	574	495	425
100%	99%	98%	94%	90%	85%	80%	74%	67%	61%	54%	48%	43%	37%	33%	28%	25%	21%	18%	16%

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°
2694	2674	2627	2544	2435	2306	2153	1992	1824	1654	1486	1323	1171	1030	903	788	686	596	515	445
100%	99%	98%	94%	90%	86%	80%	74%	68%	61%	55%	49%	43%	38%	33%	29%	25%	22%	19%	17%

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°
2694	2679	2624	2541	2433	2297	2143	1981	1808	1633	1462	1300	1150	1011	886	775	675	587	510	440
100%	99%	97%	94%	90%	85%	80%	74%	67%	61%	54%	48%	43%	38%	33%	29%	25%	22%	19%	16%

Beam angle 50°	Field angle 10°	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
43.1°	88.7°	115.5°	98.1%	89.1%