

Light efficiency:

44 Lumen/Watt

Light quality:

CRI: 95.3

Color temperature:

2998 K

Output: 822 lm

Peak: 3904 cd

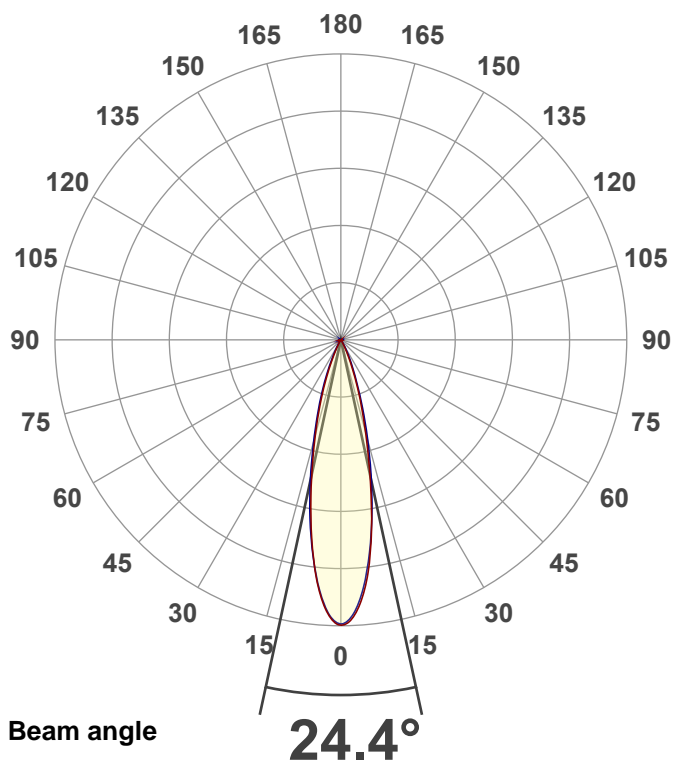
Power: 18.6 W

PF: 0.97



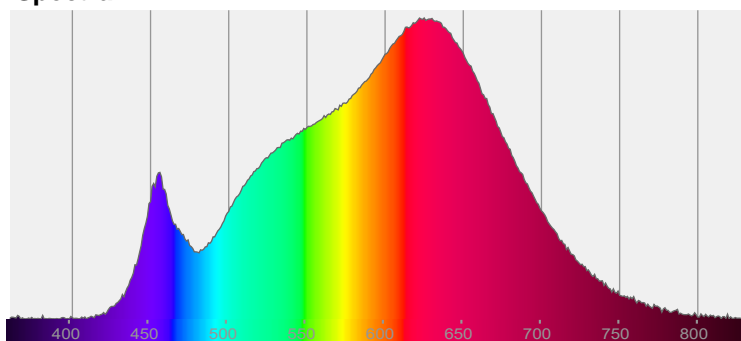
NU4-RAPH-WD-15LM-3018-97-25D-SBL-WH

Date and time:
12/22/2021 1:51:41 PM

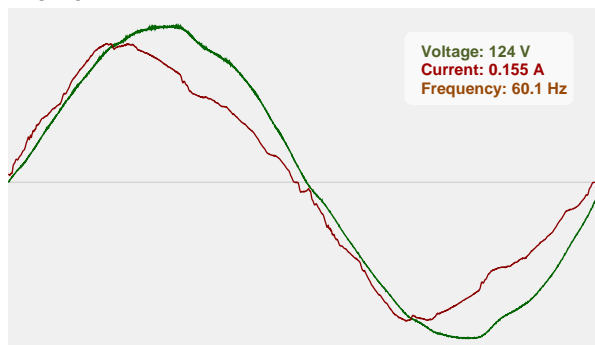


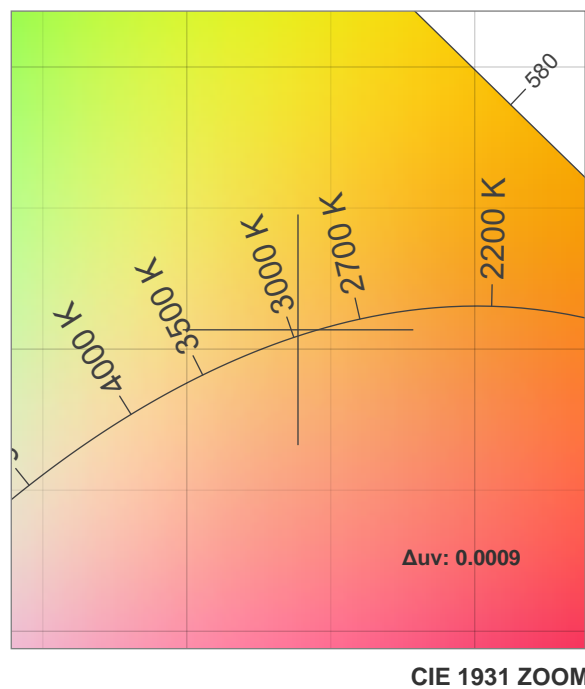
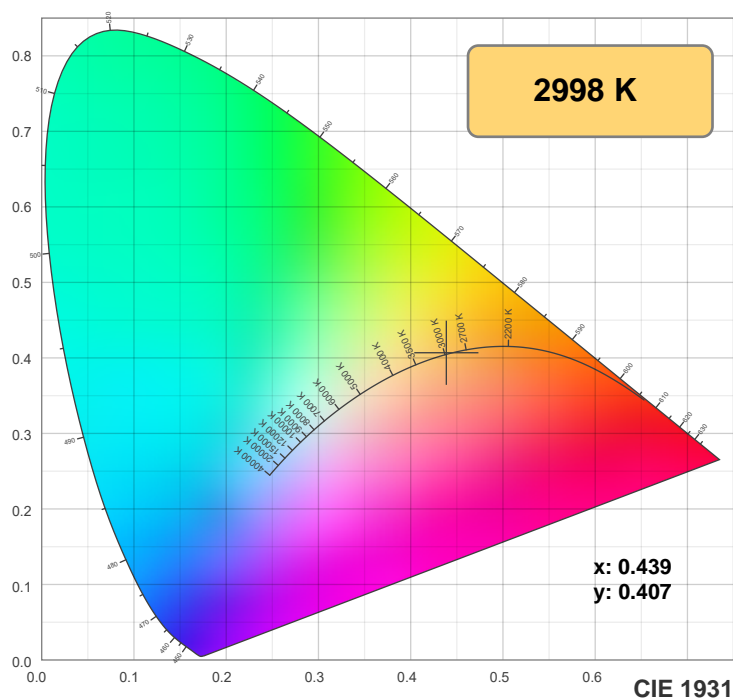
CIE 1931
x: 0.439
y: 0.407

Spectra

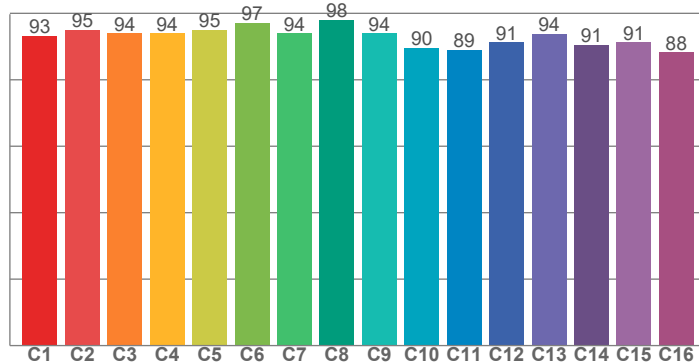


Power

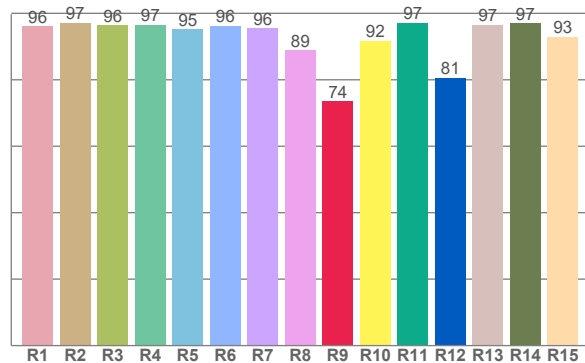




TM30: 93.0



CRI: 95.3 (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
96.2	97.2	96.4	96.5	95.2	96.2	95.6	89.0	73.6	91.8	97.2	80.6	96.6	97.1	92.9

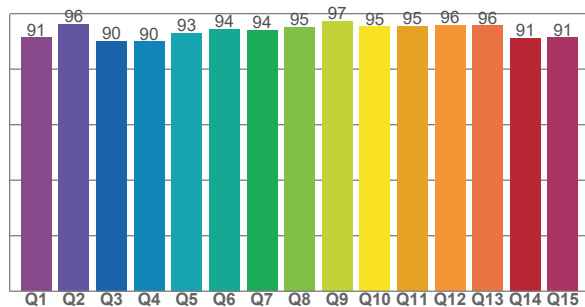
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93.3	95.1	94.0	93.9	95.0	97.1	94.0	98.1	93.9	89.5	89.0	91.3	93.8	90.5	91.3	88.3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91.3	96.3	90.1	89.9	93.0	94.4	94.0	95.2	97.3	95.4	95.4	95.8	95.8	91.2	91.4

CQS: 93.2



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
2998 K	95.3	73.6	93.0	99.4	93.2	0.439	0.407	0.250	0.348	0.0009

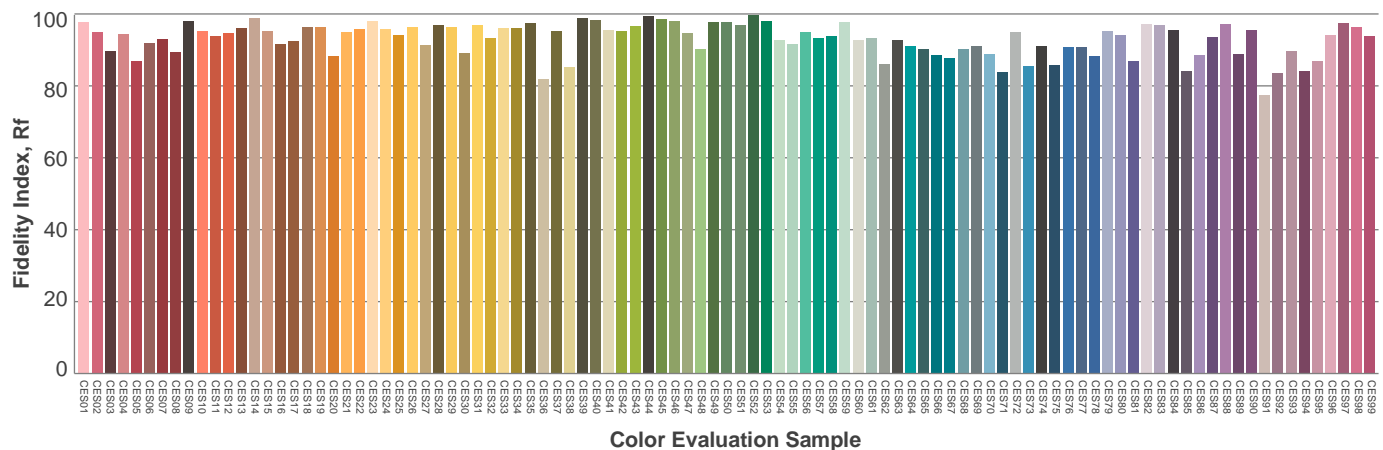
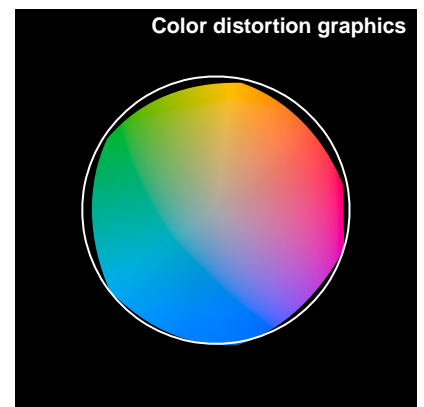
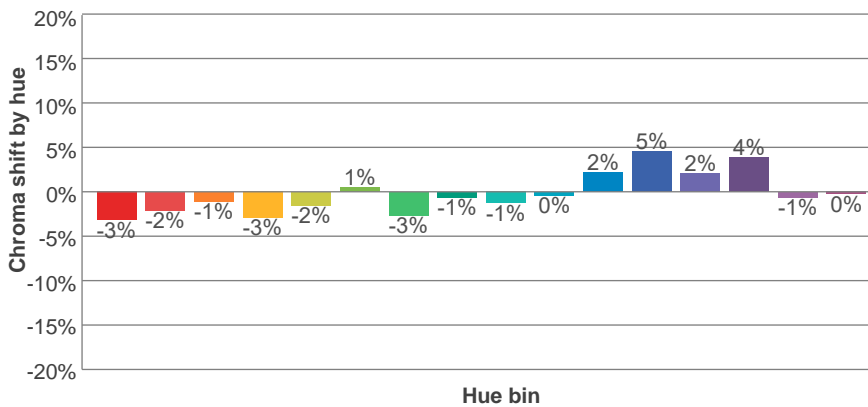
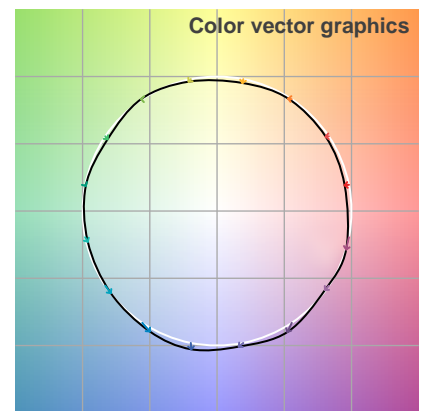
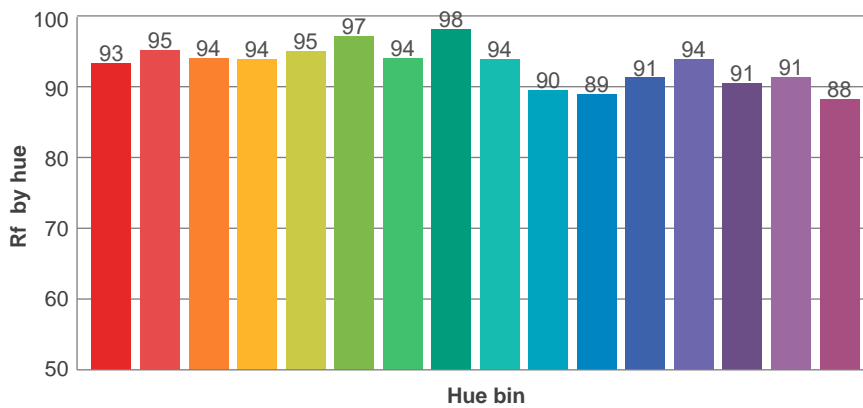
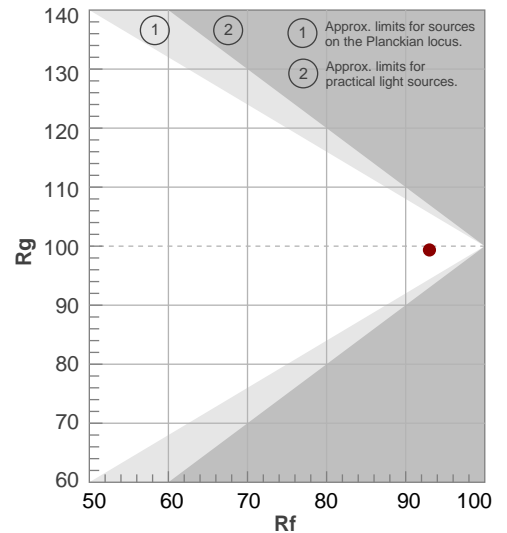
Rf 93.0

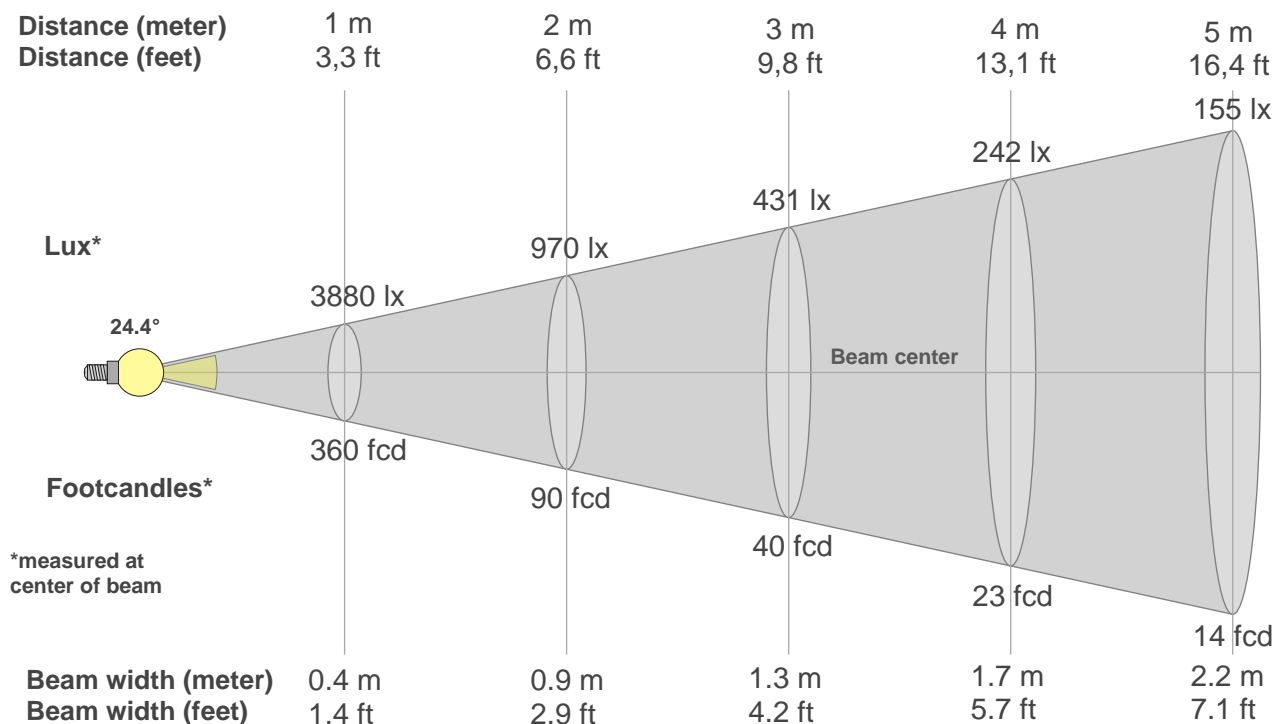
Fidelity index Rf

Rg 99.4

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	-3%	0%
2	95	-2%	1%
3	94	-1%	2%
4	94	-3%	0%
5	95	-2%	2%
6	97	1%	1%
7	94	-3%	1%
8	98	-1%	1%
9	94	-1%	4%
10	90	0%	7%
11	89	2%	8%
12	91	5%	1%
13	94	2%	-4%
14	91	4%	-6%
15	91	-1%	-4%
16	88	0%	-9%





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
3880lx	970lx	431lx	242lx	155lx	108lx	79lx	61lx	48lx	39lx	32lx	27lx	23lx	20lx	17lx	15lx	13lx	12lx	11lx	10lx
360.4fcd	90.1fcd	40fcd	22.5fcd	14.4fcd	10fcd	7.4fcd	5.6fcd	4.4fcd	3.6fcd	3fcd	2.5fcd	2.1fcd	1.8fcd	1.6fcd	1.4fcd	1.2fcd	1.1fcd	1fcd	0.9fcd

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°
3880	3829	3637	3318	2902	2426	1934	1494	1142	852	611	411	268	167	96	51	26	17	12	8
100%	99%	94%	86%	75%	63%	50%	39%	29%	22%	16%	11%	7%	4%	2%	1%	1%	0%	0%	0%

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°
3880	3786	3568	3252	2866	2445	2021	1619	1253	935	672	490	352	244	157	96	57	33	19	13
100%	98%	92%	84%	74%	63%	52%	42%	32%	24%	17%	13%	9%	6%	4%	2%	1%	1%	0%	0%

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°
3880	3792	3576	3249	2821	2370	1934	1537	1192	903	657	447	278	154	78	40	21	13	8	4
100%	98%	92%	84%	73%	61%	50%	40%	31%	23%	17%	12%	7%	4%	2%	1%	1%	0%	0%	0%

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°
3880	3789	3552	3227	2847	2439	2019	1627	1282	987	740	533	364	237	146	82	49	28	16	10
100%	98%	92%	83%	73%	63%	52%	42%	33%	25%	19%	14%	9%	6%	4%	2%	1%	1%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
24.4°	46.1°	57.5°	99.7%	99.5%