

Light efficiency:

49 Lumen/Watt

Light quality:

CRI: 95.3

Color temperature:

3009 K

Output: 906 lm

Peak: 4528 cd

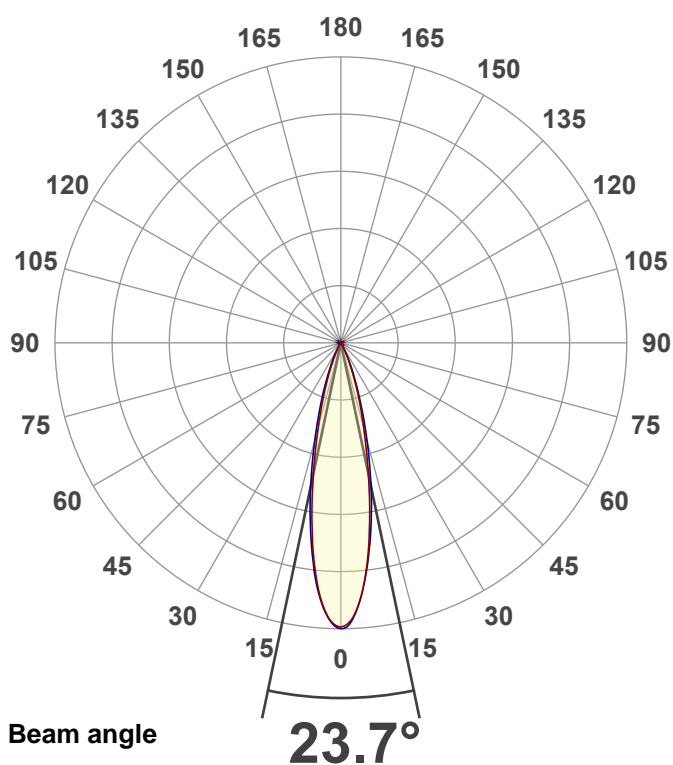
Power: 18.6 W

PF: 0.97



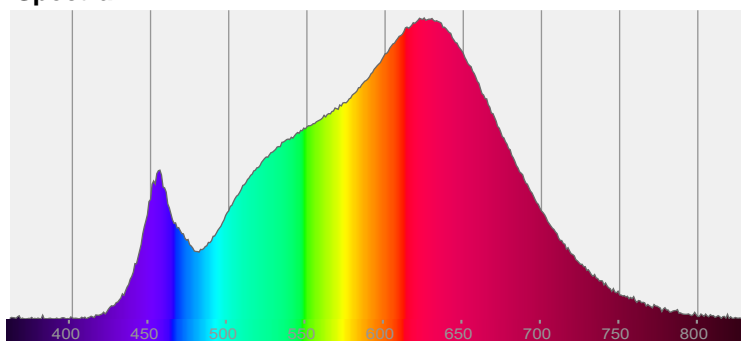
NU4-RAPH-WD-15LM-3018-97-25D-NL-WH

Date and time:
12/22/2021 9:30:58 AM

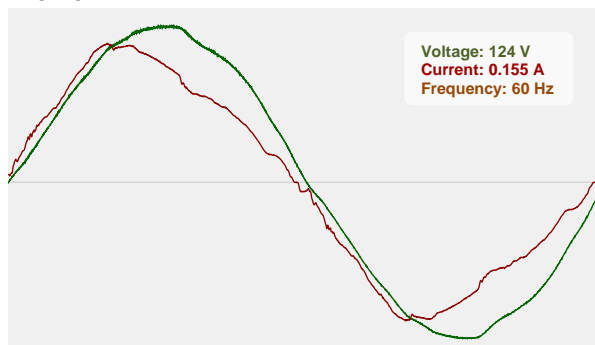


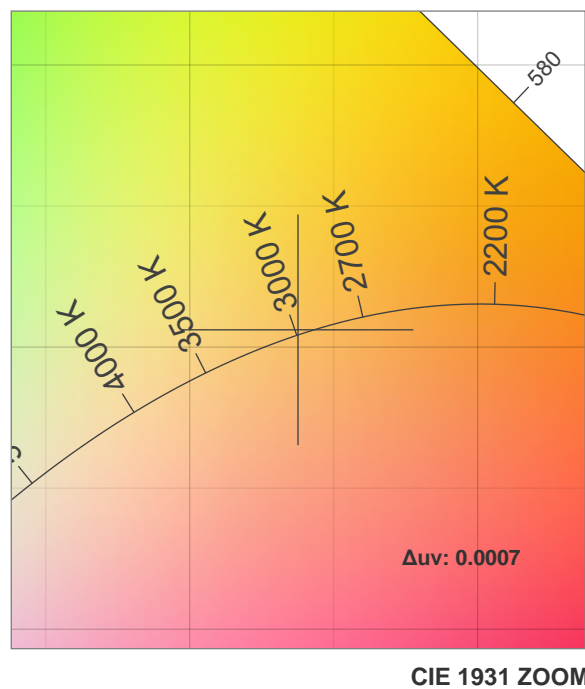
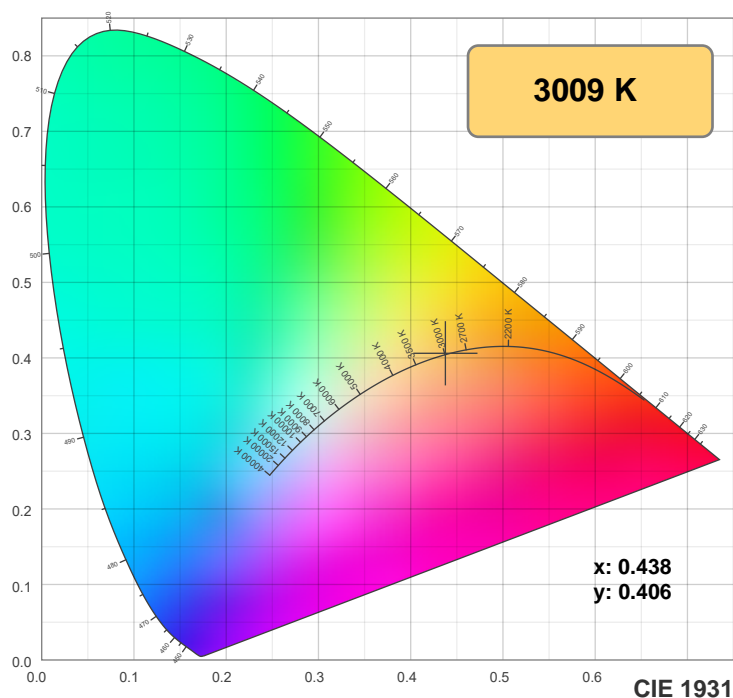
CIE 1931
x: 0.438
y: 0.406

Spectra

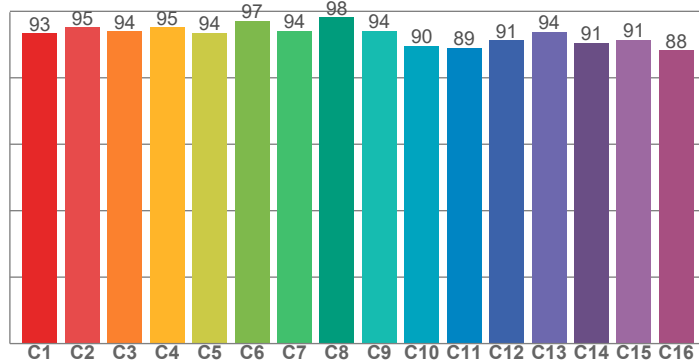


Power

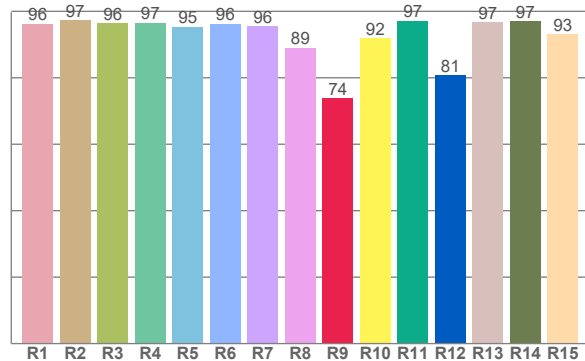




TM30: 93.1



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
96.3	97.3	96.5	96.6	95.3	96.3	95.6	89.1	73.8	91.9	97.2	80.8	96.7	97.1	93.1

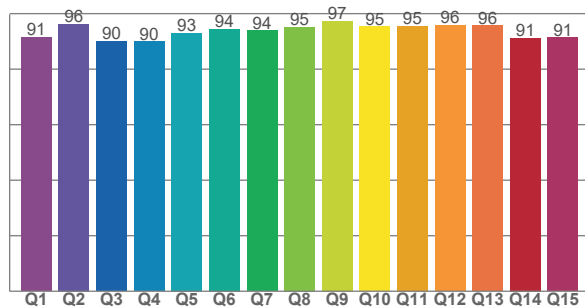
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93.4	95.1	93.9	95.2	93.6	97.1	94.1	98.2	94.1	89.7	89.0	91.2	93.9	90.5	91.4	88.3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91.5	96.3	90.0	89.9	93.0	94.4	93.8	95.1	97.3	95.3	95.5	95.8	95.8	91.3	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
3009 K	95.3	73.8	93.1	99.4	93.2	0.438	0.406	0.250	0.348	0.0007

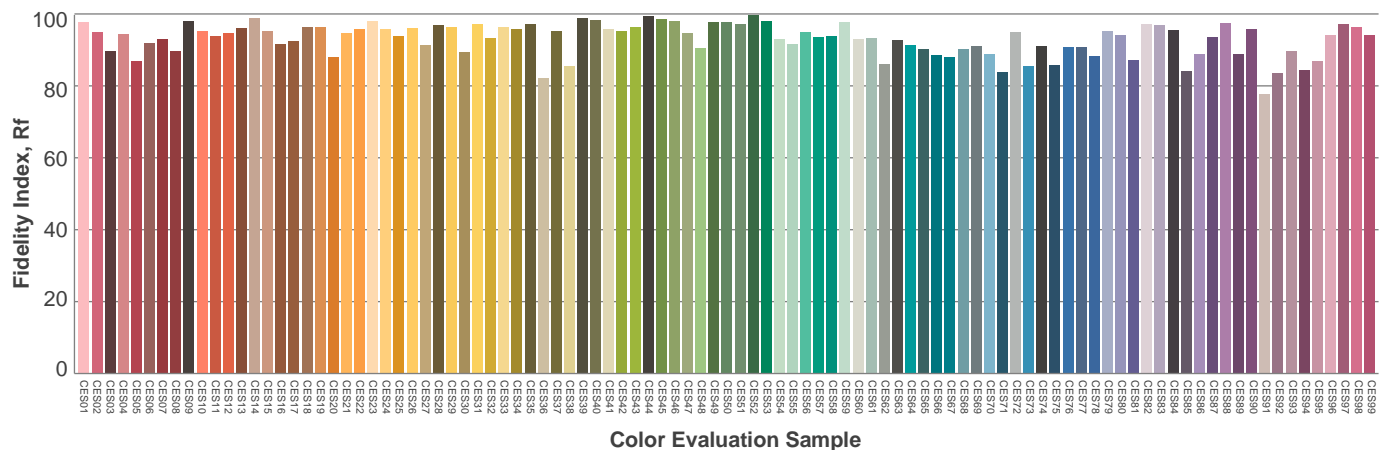
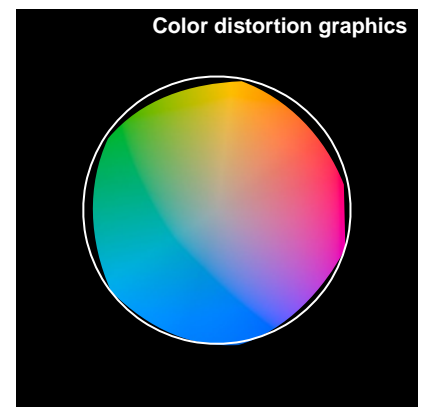
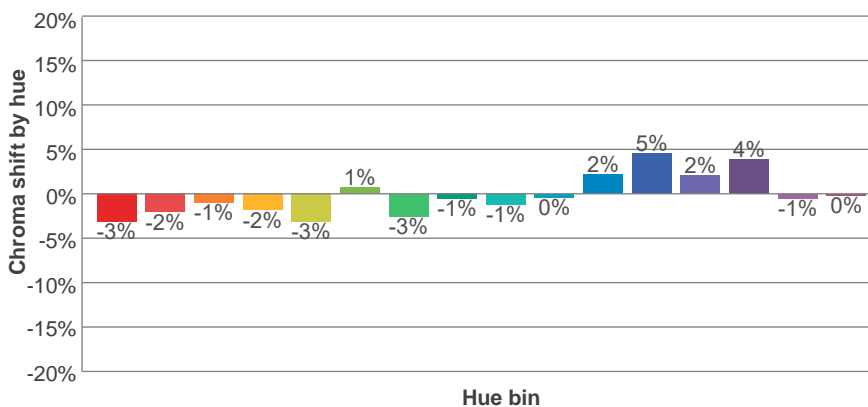
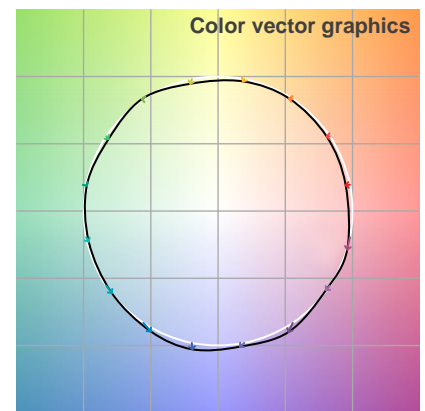
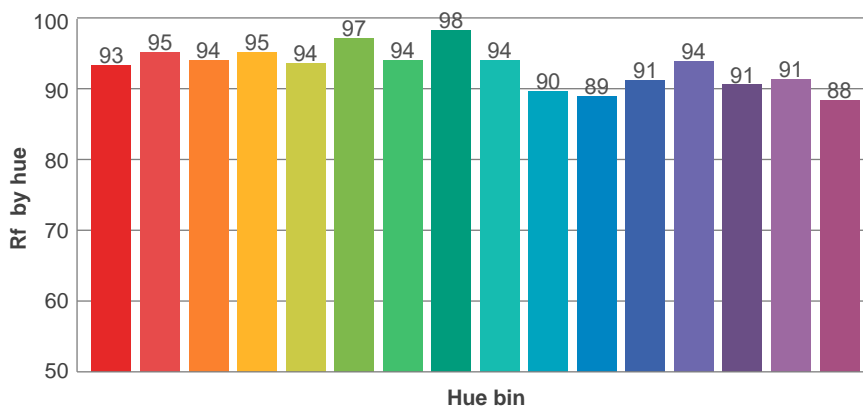
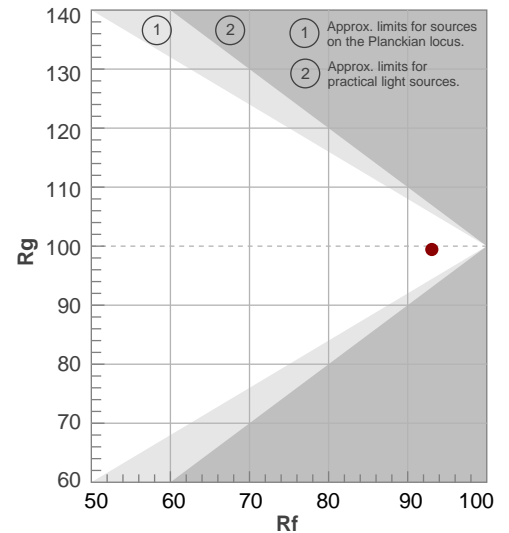
Rf 93.1

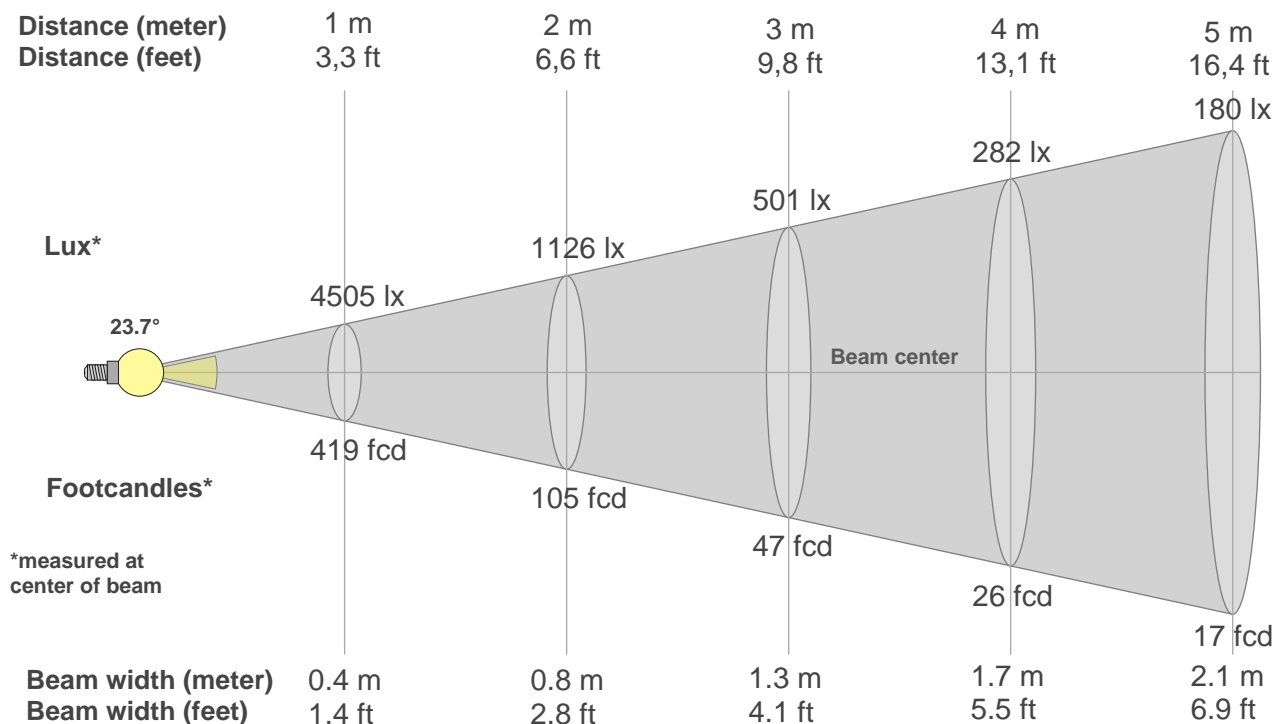
Fidelity index Rf

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%	3%
4	95	-2%	1%
5	94	-3%	2%
6	97	1%	1%
7	94	-3%	1%
8	98	-1%	1%
9	94	-1%	3%
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
4505lx	1126lx	501lx	282lx	180lx	125lx	92lx	70lx	56lx	45lx	37lx	31lx	27lx	23lx	20lx	18lx	16lx	14lx	12lx	11lx
418.5fcd	104.6fcd	46.5fcd	26.2fcd	16.7fcd	11.6fcd	8.5fcd	6.5fcd	5.2fcd	4.2fcd	3.5fcd	2.9fcd	2.5fcd	2.1fcd	1.9fcd	1.6fcd	1.4fcd	1.3fcd	1.2fcd	1fcd

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°
4505	4399	4117	3704	3196	2635	2093	1623	1238	920	647	427	271	152	73	33	18	13	9	6
100%	98%	91%	82%	71%	58%	46%	36%	27%	20%	14%	9%	6%	3%	2%	1%	0%	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°
4505	4424	4147	3731	3270	2790	2304	1827	1404	1047	757	529	353	212	116	60	30	15	8	6
100%	98%	92%	83%	73%	62%	51%	41%	31%	23%	17%	12%	8%	5%	3%	1%	1%	0%	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°
4505	4402	4136	3728	3215	2643	2090	1608	1210	889	629	428	277	167	90	44	28	19	13	9
100%	98%	92%	83%	71%	59%	46%	36%	27%	20%	14%	9%	6%	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°
4505	4411	4167	3802	3311	2809	2306	1825	1398	1056	781	559	392	274	185	117	70	41	24	13
100%	98%	92%	84%	73%	62%	51%	41%	31%	23%	17%	12%	9%	6%	4%	3%	2%	1%	1%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23.7°	45°	56.4°	99.6%	99.5%