

Light efficiency:

48 Lumen/Watt

Light quality:

CRI: 94.7

Color temperature:

3109 K

Output: 914 lm

Peak: 4098 cd

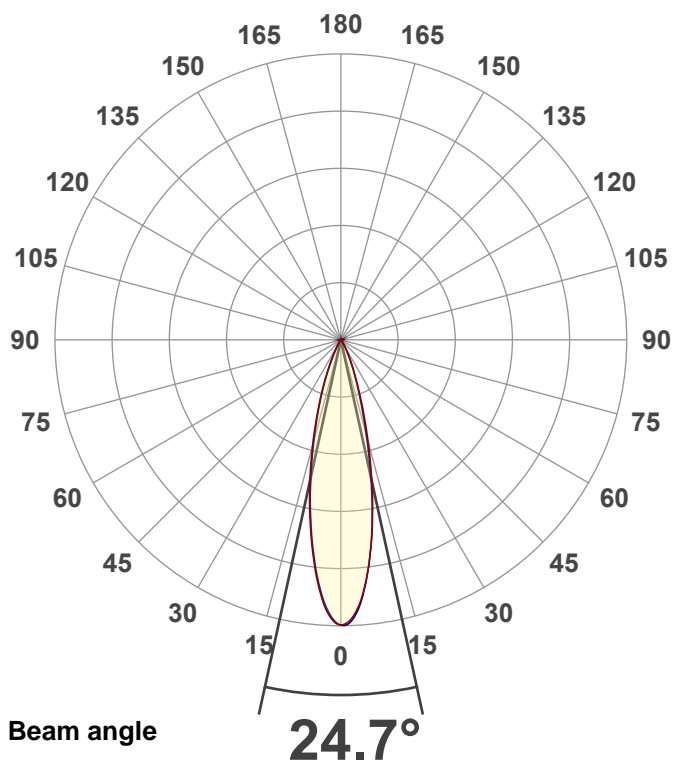
Power: 19.1 W

PF: 0.97



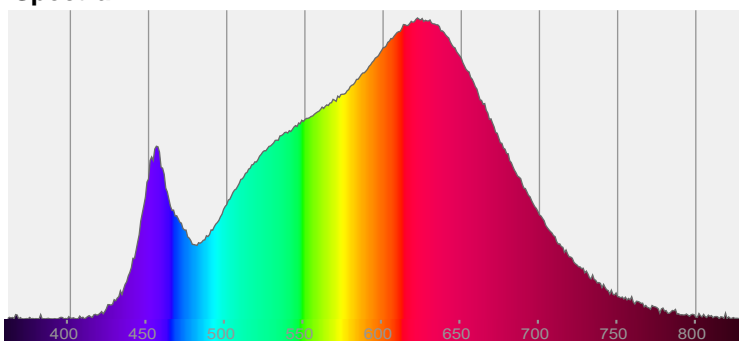
NU3-RA-WD-15LM-3018-97-25D-NA-NL-WH-WH

Date and time:
7/13/2022 9:38:34 AM

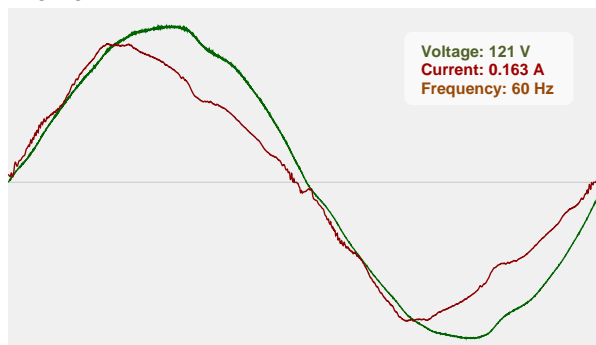


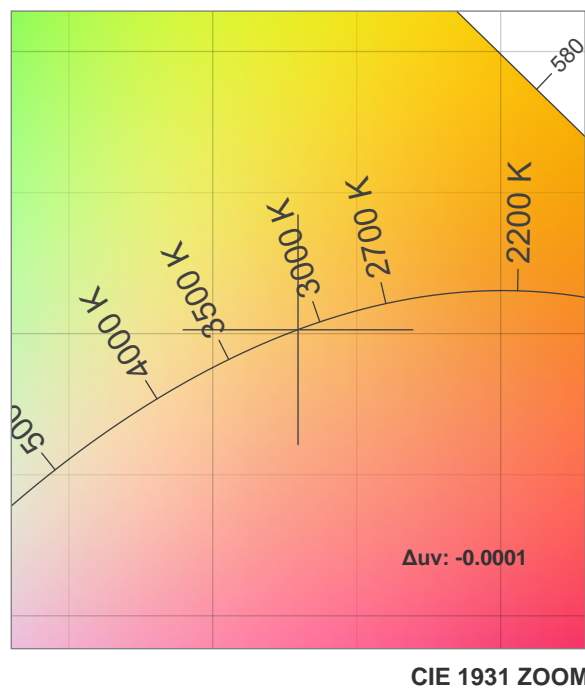
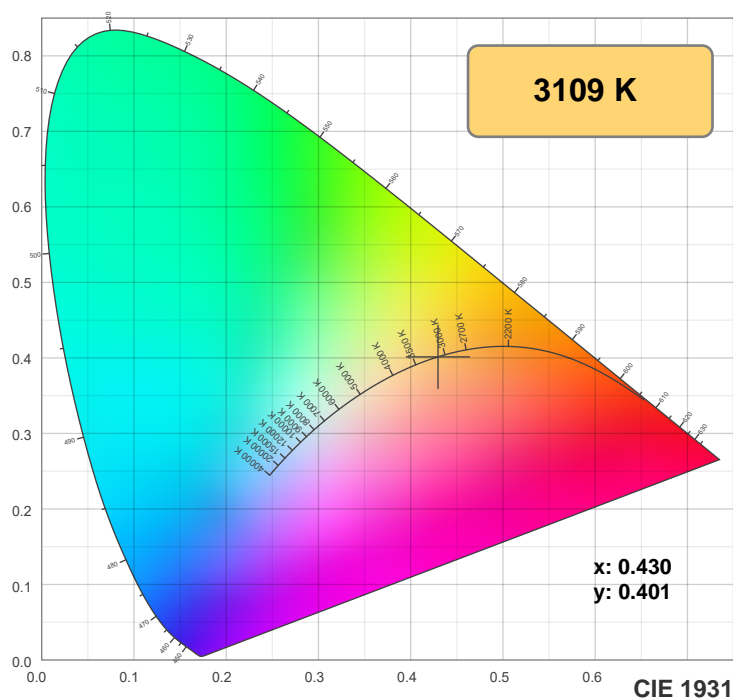
CIE 1931
x: 0.430
y: 0.401

Spectra

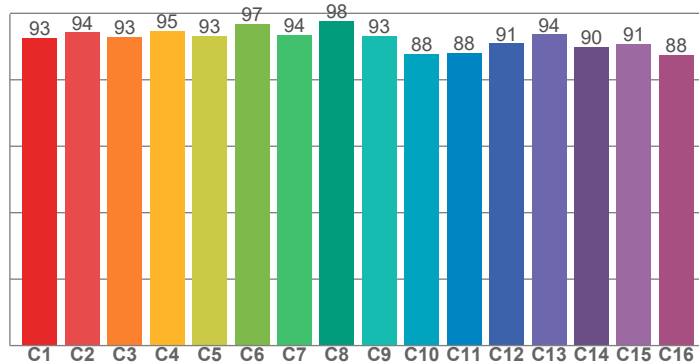


Power

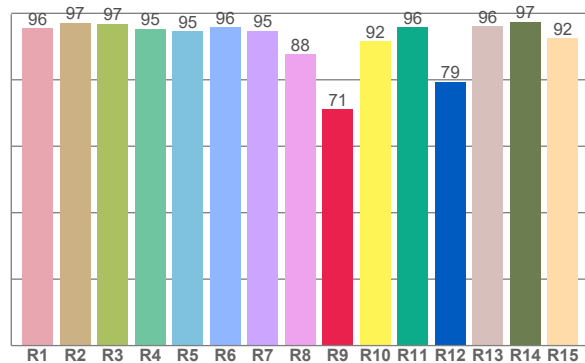




TM30: 92.4



CRI: 94.7 (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
95.5	97.2	96.9	95.4	94.6	95.7	94.7	87.7	71.1	91.7	95.8	79.4	96.1	97.4	92.5

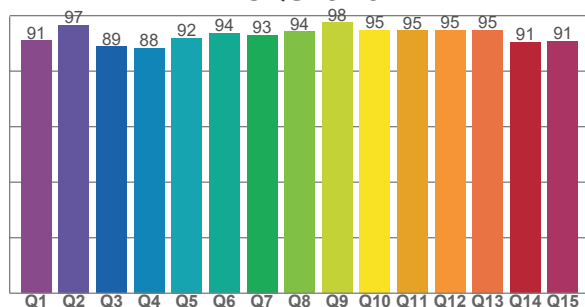
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
92.6	94.3	92.8	94.8	93.3	96.9	93.5	97.7	93.2	87.9	88.0	90.9	93.6	89.9	90.8	87.5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91.1	96.5	88.9	88.4	91.9	93.6	93.1	94.3	97.5	94.8	94.6	94.7	94.8	90.5	90.8

CQS: 92.5



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
3109 K	94.7	71.1	92.4	99.4	92.5	0.430	0.401	0.247	0.346	-0.0001

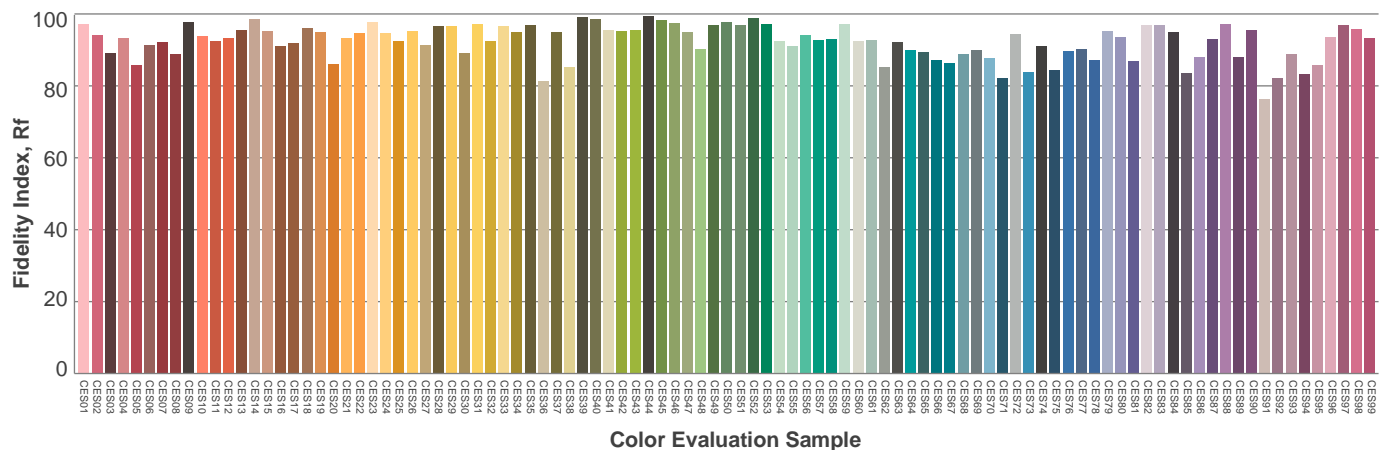
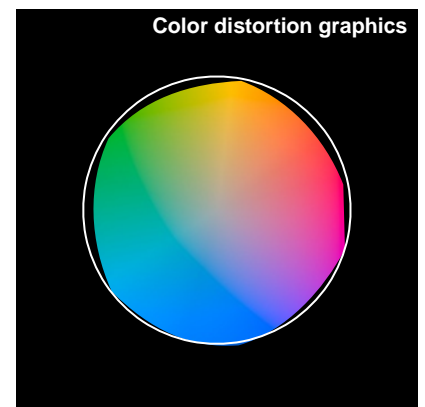
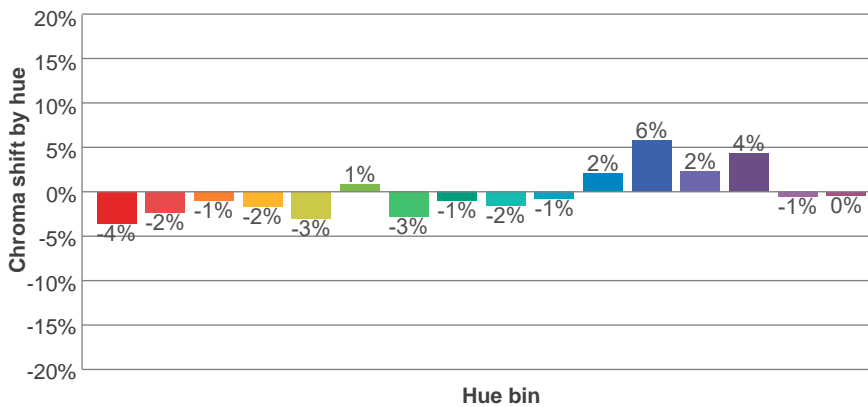
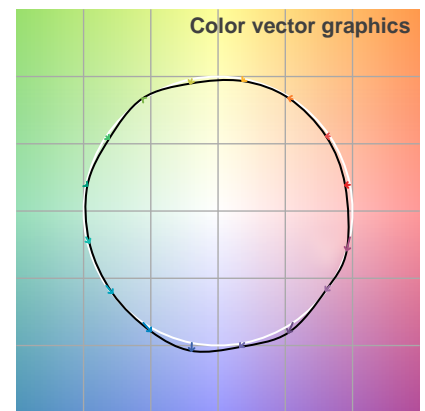
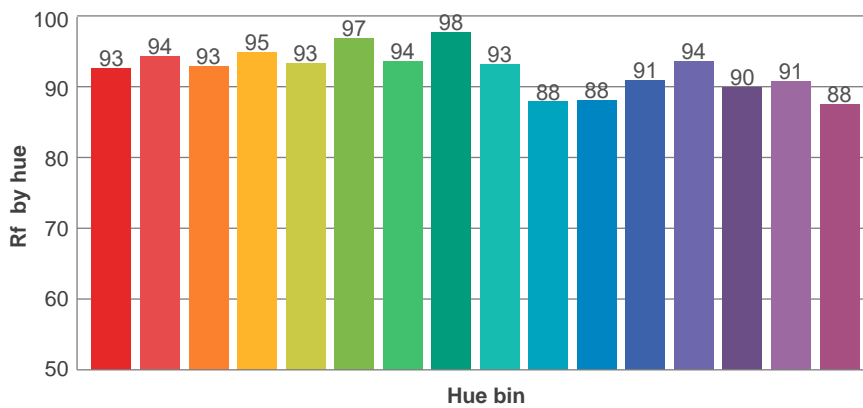
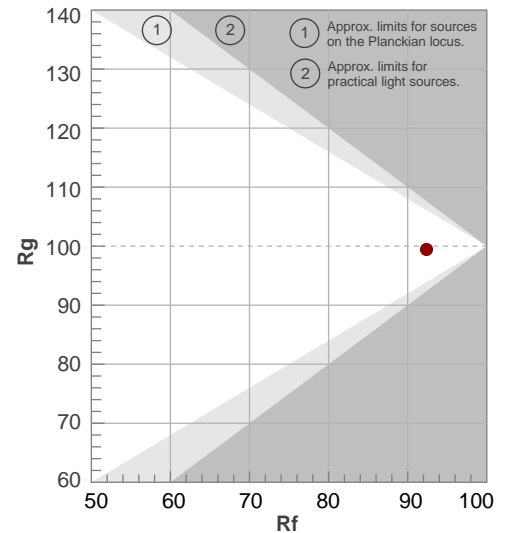
Rf 92.4

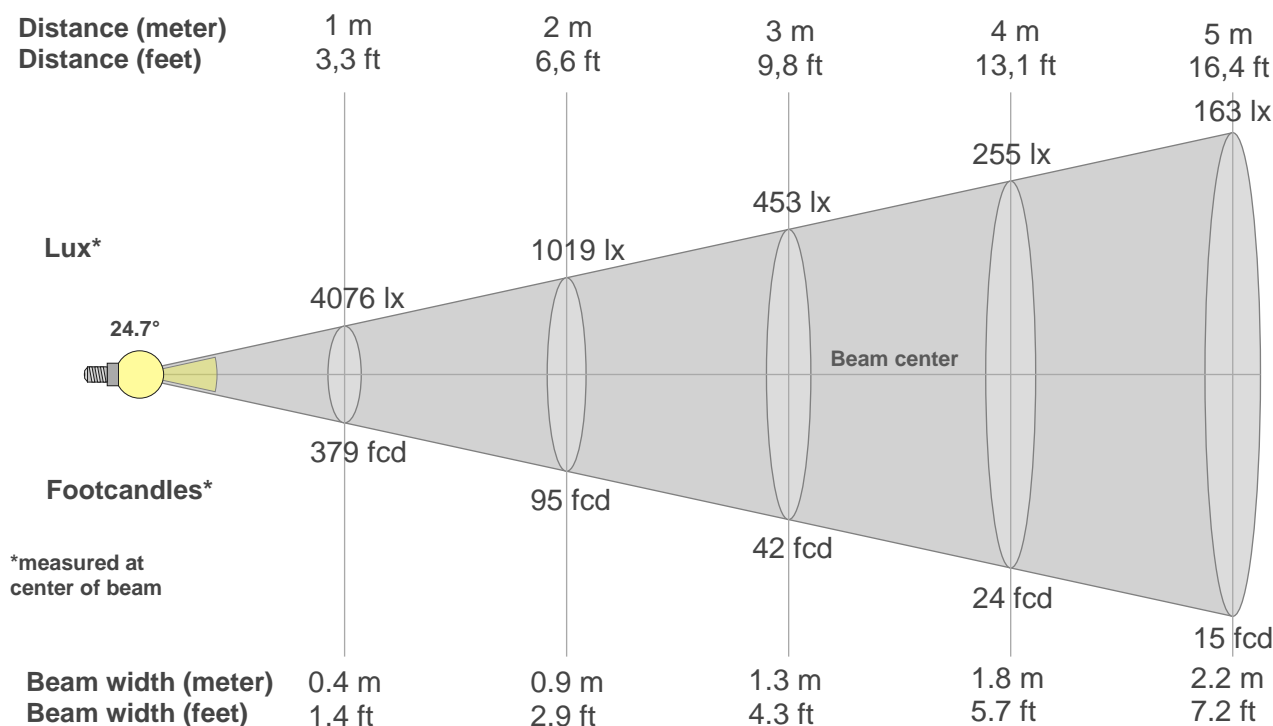
Fidelity index Rf

Rg 99.4

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	-4%	0%
2	94	-2%	2%
3	93	-1%	3%
4	95	-2%	1%
5	93	-3%	2%
6	97	1%	0%
7	94	-3%	0%
8	98	-1%	1%
9	93	-2%	4%
10	88	-1%	7%
11	88	2%	8%
12	91	6%	1%
13	94	2%	-4%
14	90	4%	-7%
15	91	-1%	-5%
16	88	0%	-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
4076lx	1019lx	453lx	255lx	163lx	113lx	83lx	64lx	50lx	41lx	34lx	28lx	24lx	21lx	18lx	16lx	14lx	13lx	11lx	10lx
378.6fcd	94.7fcd	42.1fcd	23.7fcd	15.1fcd	10.5fcd	7.7fcd	5.9fcd	4.7fcd	3.8fcd	3.1fcd	2.6fcd	2.2fcd	1.9fcd	1.7fcd	1.5fcd	1.3fcd	1.2fcd	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°
4076	4016	3809	3465	3061	2622	2169	1722	1328	998	732	525	367	255	175	116	76	51	33	21
100%	99%	93%	85%	75%	64%	53%	42%	33%	24%	18%	13%	9%	6%	4%	3%	2%	1%	1%	1%

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°
4076	4041	3842	3477	3058	2592	2104	1627	1224	918	686	512	377	269	186	123	80	51	33	21
100%	99%	94%	85%	75%	64%	52%	40%	30%	23%	17%	13%	9%	7%	5%	3%	2%	1%	1%	1%

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°
4076	3981	3745	3397	2986	2568	2158	1764	1397	1064	801	580	400	261	163	100	68	47	32	21
100%	98%	92%	83%	73%	63%	53%	43%	34%	26%	20%	14%	10%	6%	4%	2%	2%	1%	1%	1%

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°
4076	3959	3711	3360	2946	2520	2096	1694	1332	1026	769	553	379	245	152	102	73	53	39	27
100%	97%	91%	82%	72%	62%	51%	42%	33%	25%	19%	14%	9%	6%	4%	3%	2%	1%	1%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
24.7°	47.2°	60.9°	99.6%	99.2%