

Light efficiency:

47 Lumen/Watt

Light quality:

CRI: 94.7

Color temperature:

3110 K

Output: 901 lm

Peak: 4063 cd

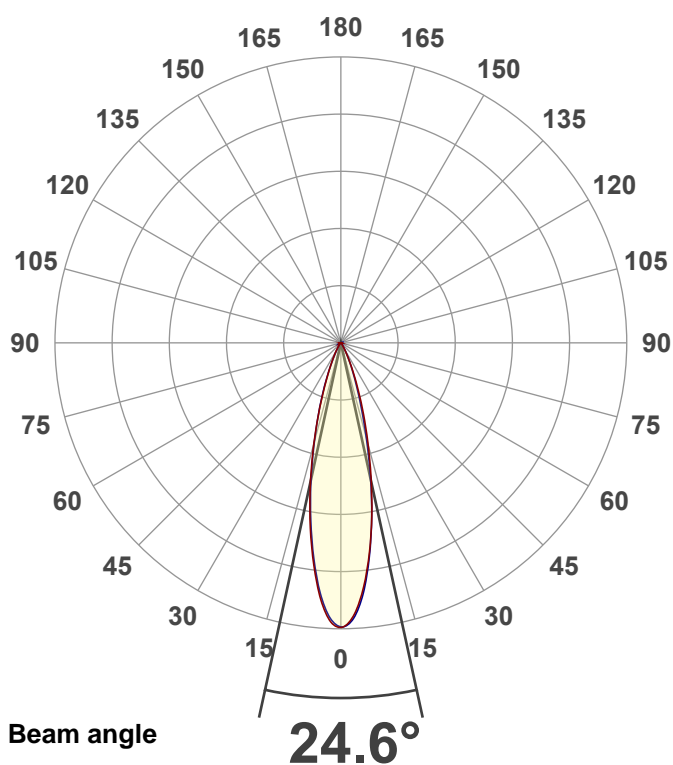
Power: 19.0 W

PF: 0.97



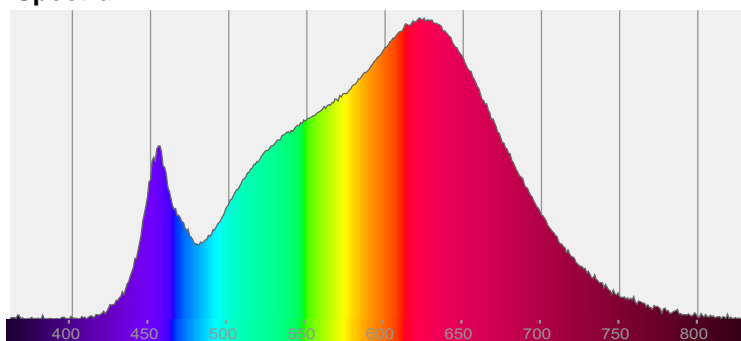
NU3-RA-WD-15LM-3018-97-25D-NA-CL-WH-WH

Date and time:
7/14/2022 9:28:55 AM

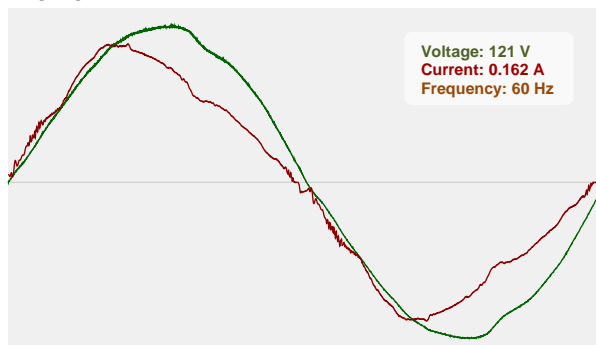


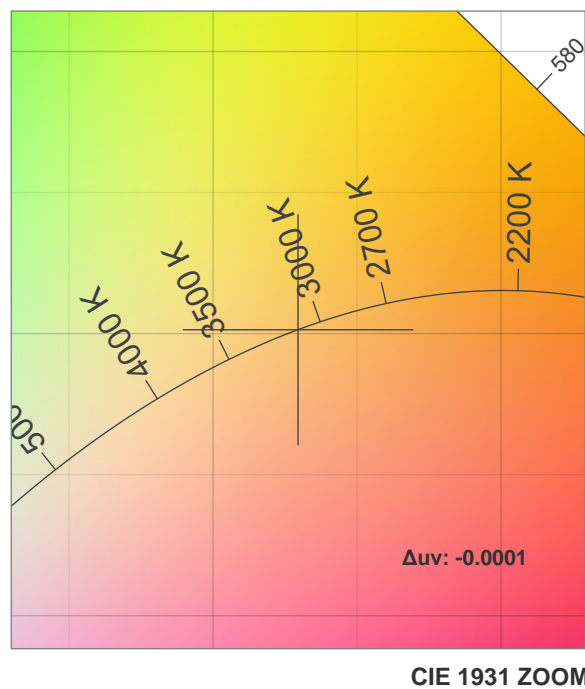
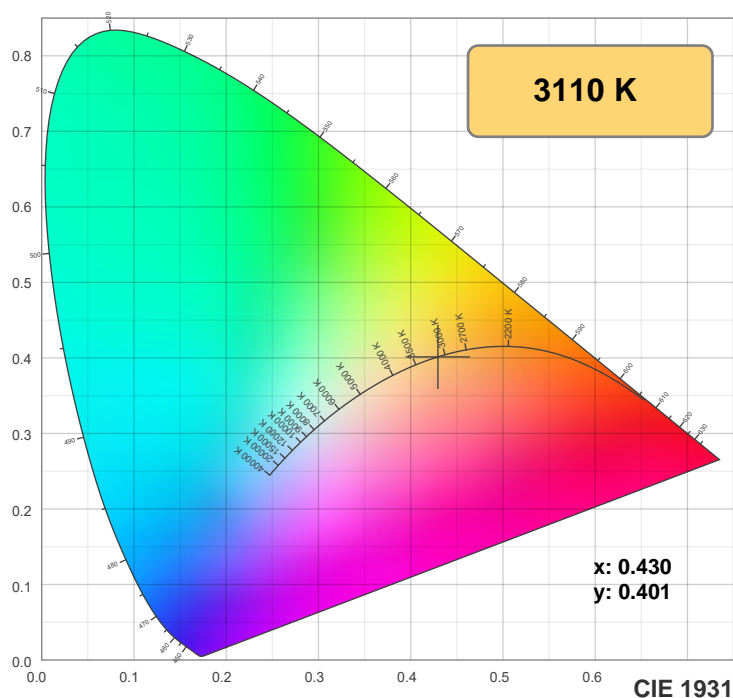
CIE 1931
x: 0.430
y: 0.401

Spectra

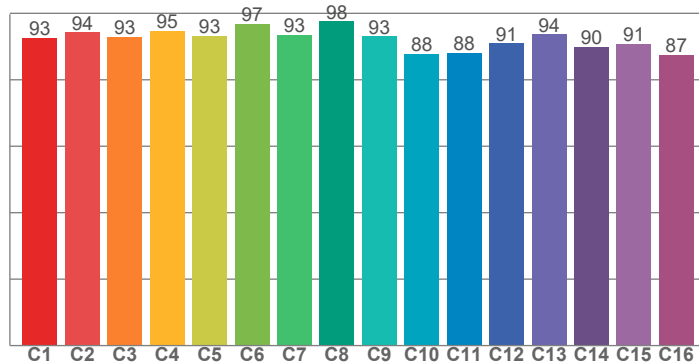


Power

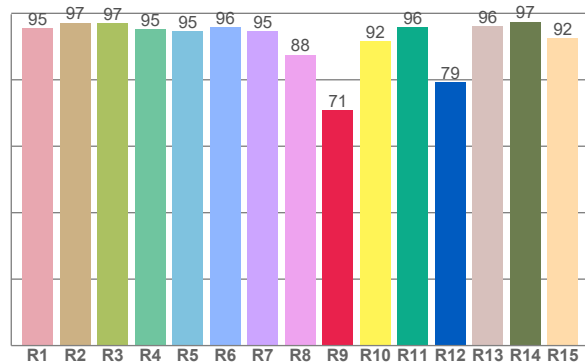




TM30: 92.3



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	97.0	95.3	94.5	95.8	94.7	87.6	70.9	91.7	95.7	79.3	96.1	97.5	92.4

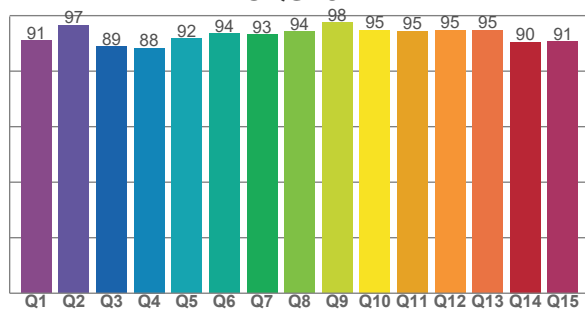
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
92.6	94.3	92.8	94.8	93.2	96.9	93.5	97.6	93.1	87.8	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
91.0	96.5	88.9	88.3	91.8	93.6	93.1	94.3	97.5	94.8	94.5	94.7	94.7	90.5	90.7

CQS: 92.4



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
3110 K	94.7	70.9	92.3	99.4	92.4	0.430	0.401	0.247	0.346	-0.0001

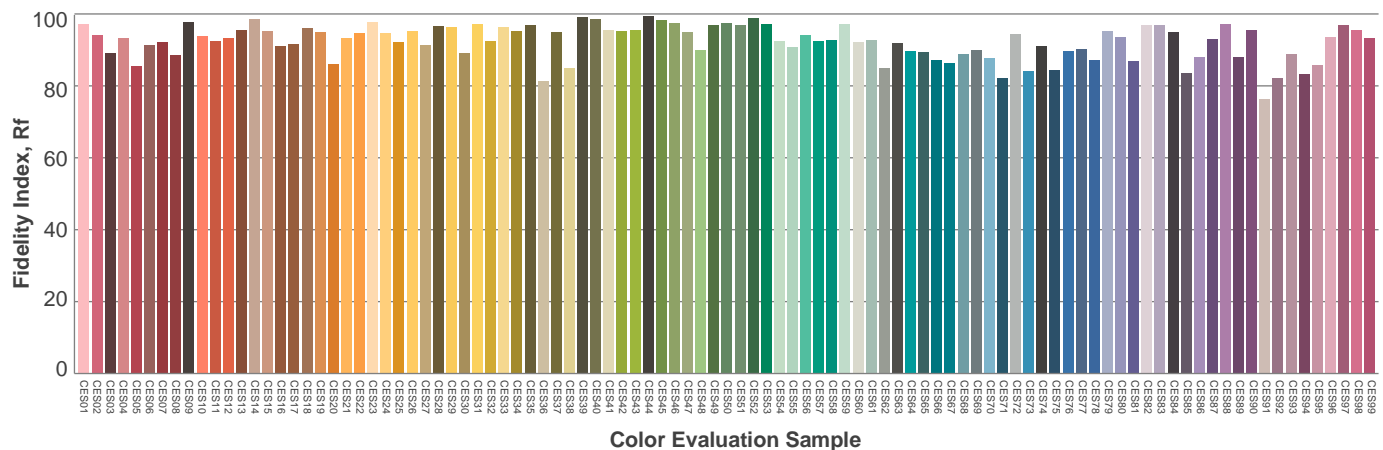
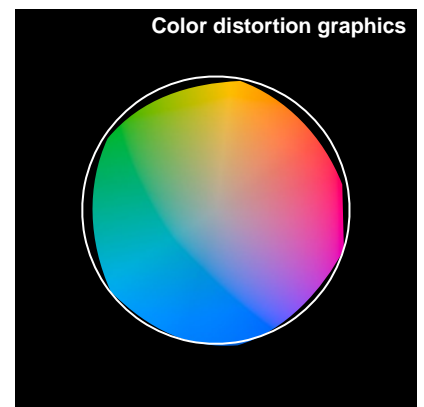
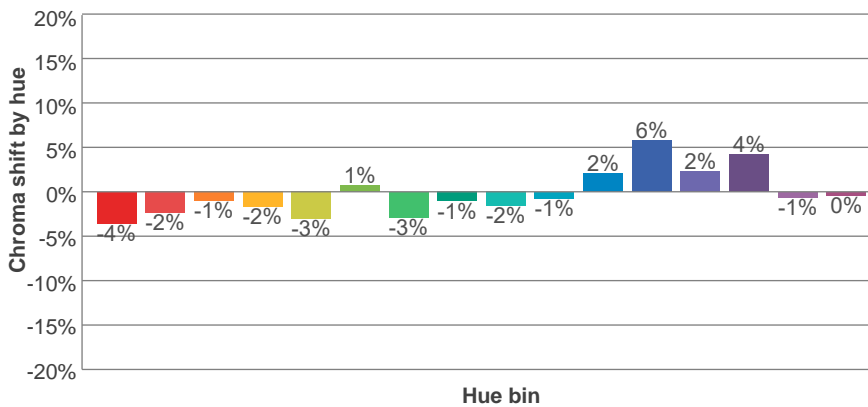
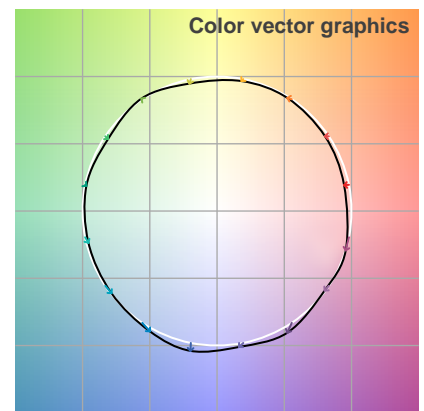
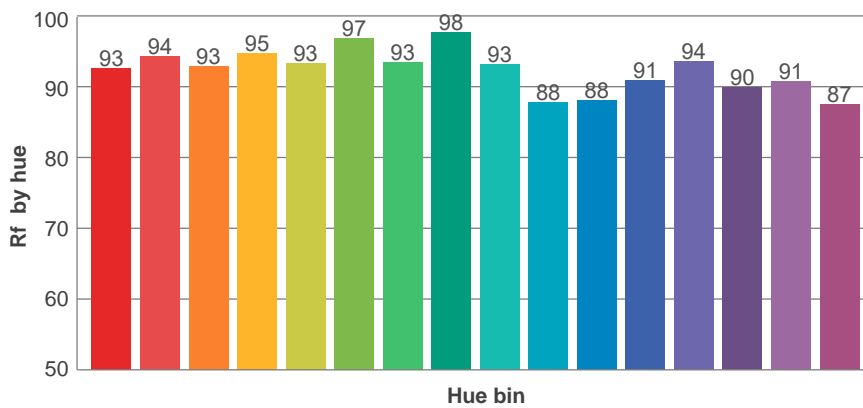
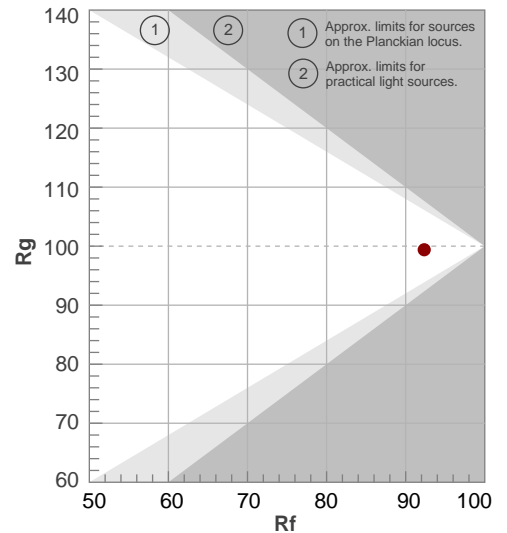
Rf 92.3

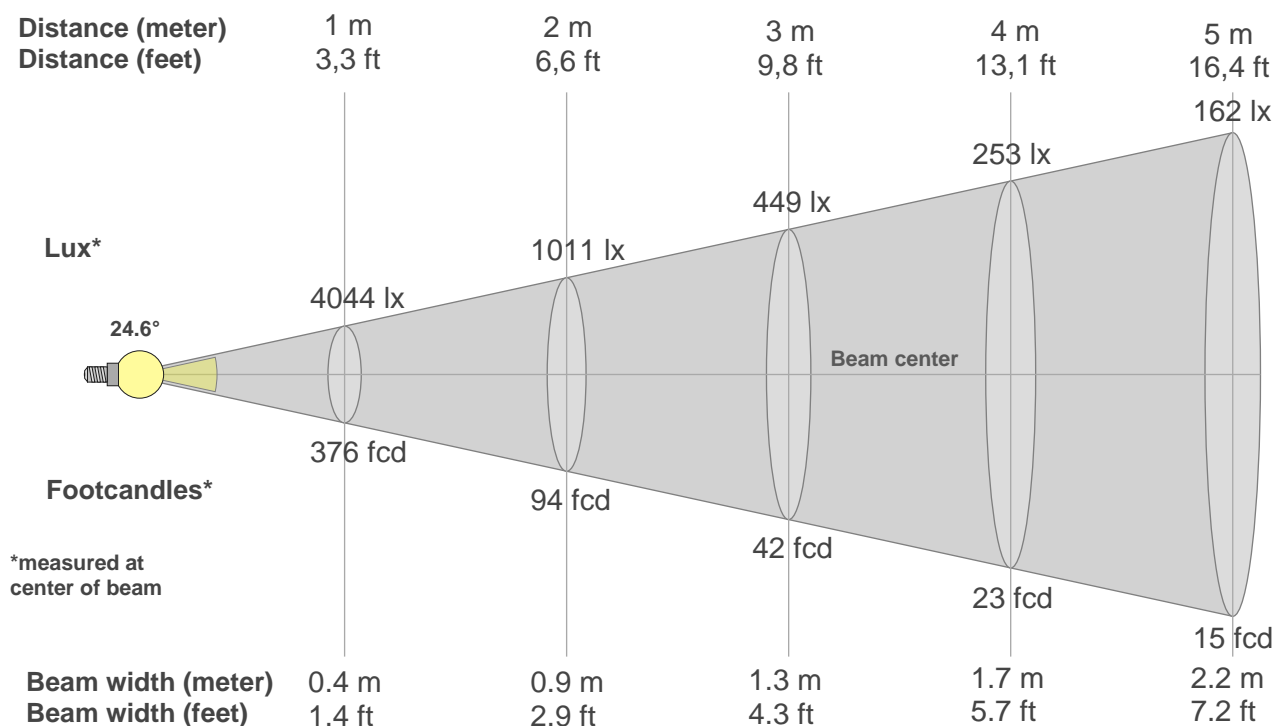
Fidelity index Rf

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	93	-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	87	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
4044lx	1011lx	449lx	253lx	162lx	112lx	83lx	63lx	50lx	40lx	33lx	28lx	24lx	21lx	18lx	16lx	14lx	12lx	11lx	10lx
375.7fcd	93.9fcd	41.7fcd	23.5fcd	15fcd	10.4fcd	7.7fcd	5.9fcd	4.6fcd	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°
4044	3939	3702	3366	2967	2539	2107	1701	1336	1015	739	533	370	246	156	98	67	46	32	22
100%	97%	92%	83%	73%	63%	52%	42%	33%	25%	18%	13%	9%	6%	4%	2%	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°
4044	3967	3746	3406	2985	2532	2065	1620	1226	902	652	473	339	235	155	97	63	42	27	17
100%	98%	93%	84%	74%	63%	51%	40%	30%	22%	16%	12%	8%	6%	4%	2%	2%	1%	1%	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°
4044	3990	3736	3378	2969	2540	2104	1687	1311	984	717	513	370	270	196	137	92	62	43	31
100%	99%	92%	84%	73%	63%	52%	42%	32%	24%	18%	13%	9%	7%	5%	3%	2%	2%	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°
4044	3942	3683	3327	2916	2486	2061	1651	1295	993	738	524	359	239	157	106	75	53	38	26
100%	97%	91%	82%	72%	61%	51%	41%	32%	25%	18%	13%	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
24.6°	46.8°	61°	99.6%	99.1%