

Light efficiency:

52 Lumen/Watt

Light quality:

CRI: 96.1

Color temperature:

3120 K

Output: 1344 lm

Peak: 3633 cd

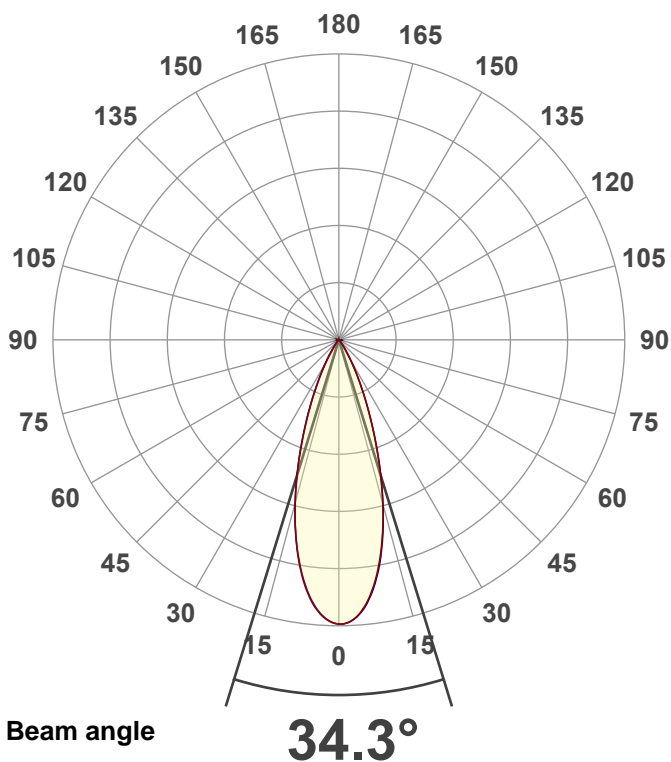
Power: 25.7 W

PF: 0.98



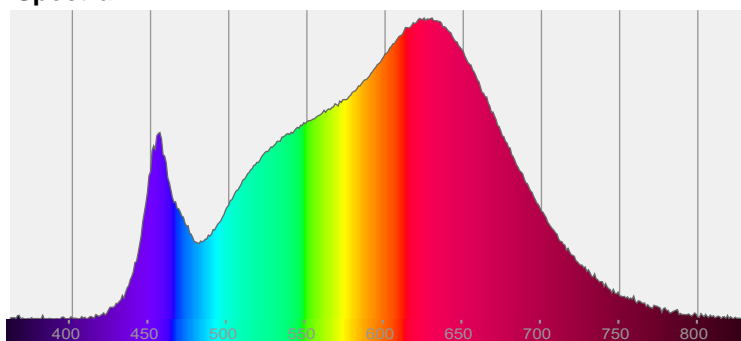
NU3-RA-WD-20LM-3018-97-35D-NA-SBL-WH-WH

Date and time:
7/1/2022 11:13:39 AM

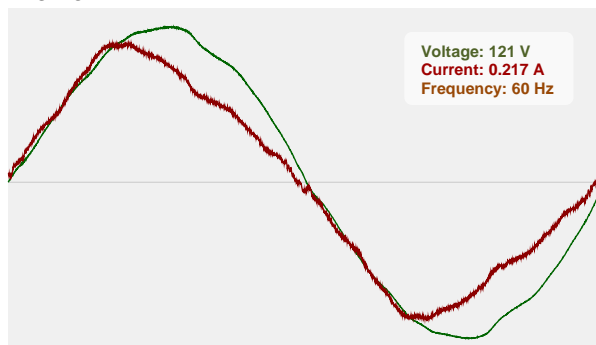


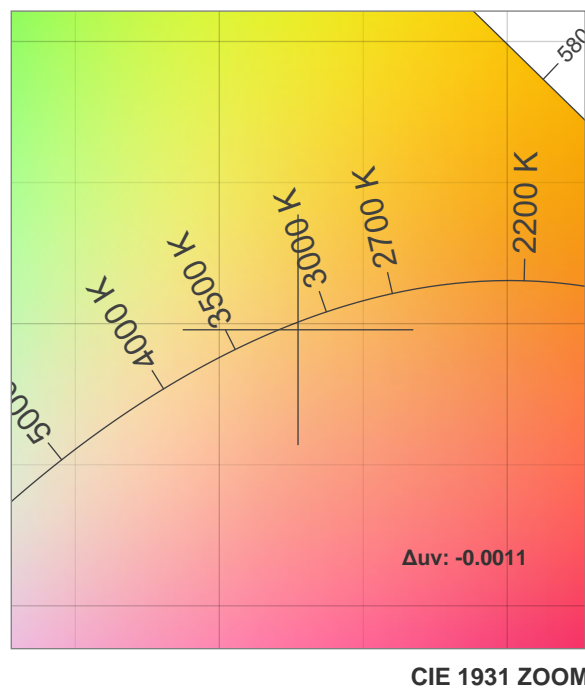
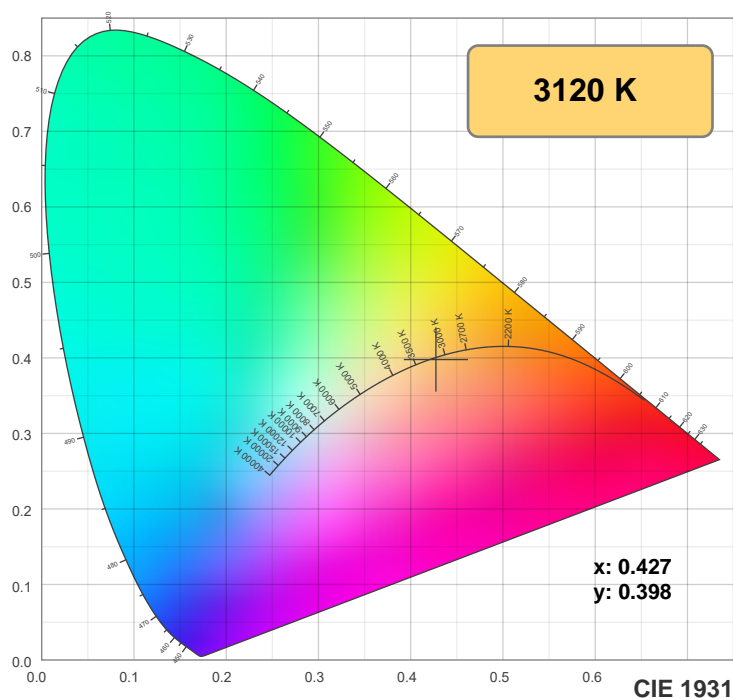
CIE 1931
x: 0.427
y: 0.398

Spectra

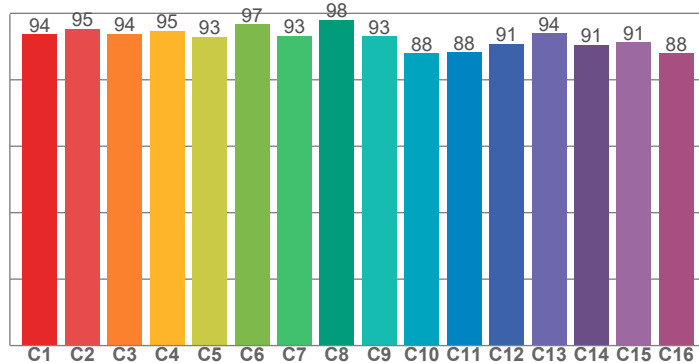


Power

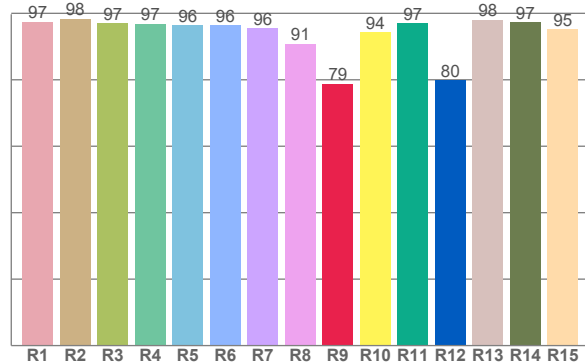




TM30: 92.7



CRI: 96.1 (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
97.5	98.4	97.0	96.9	96.5	96.5	95.5	90.8	78.8	94.3	97.1	79.9	98.1	97.4	95.2

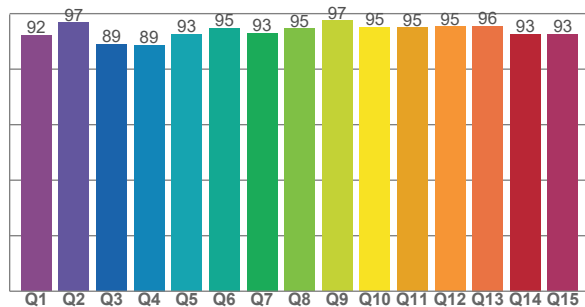
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93.7	95.3	93.8	94.7	93.0	96.7	93.2	97.9	93.1	88.0	88.2	90.9	94.0	90.5	91.3	88.0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92.2	96.7	88.9	88.7	92.5	94.8	93.1	94.6	97.4	95.1	94.9	95.3	95.6	92.7	92.6

CQS: 93.1



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
3120 K	96.1	78.8	92.7	100.1	93.1	0.427	0.398	0.247	0.345	-0.0011

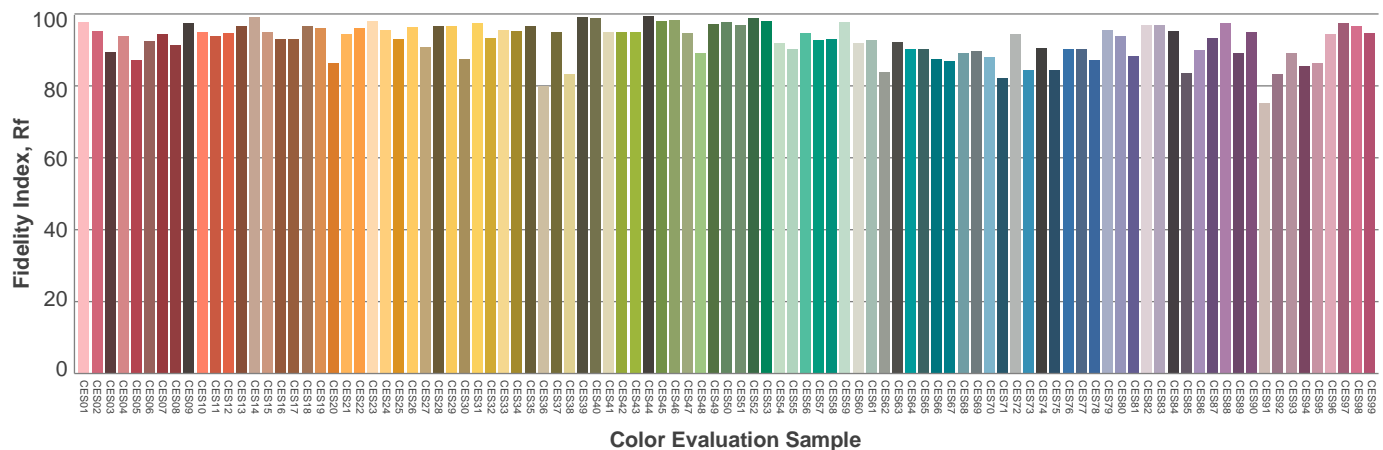
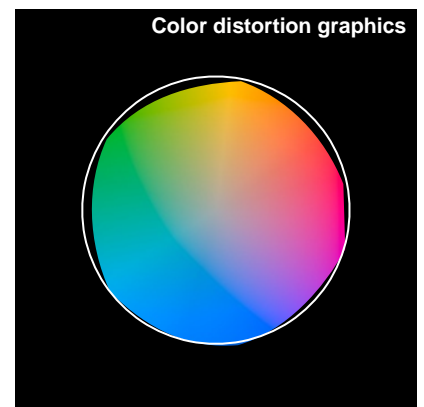
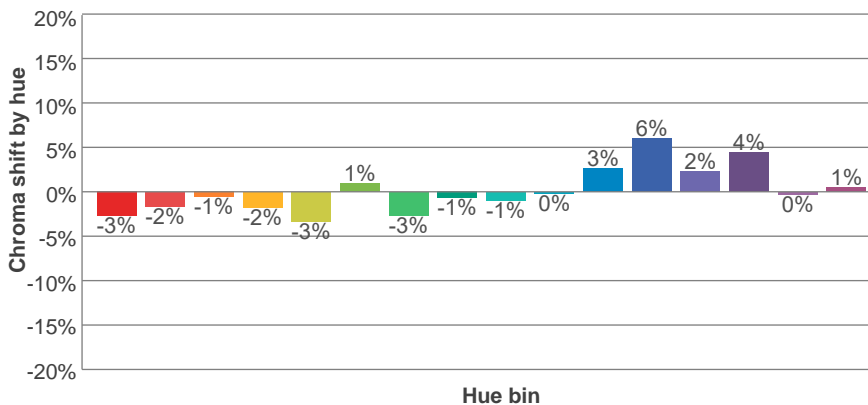
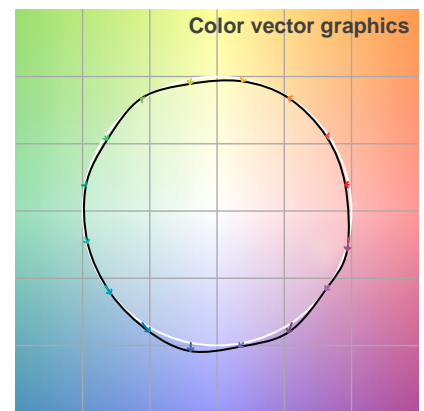
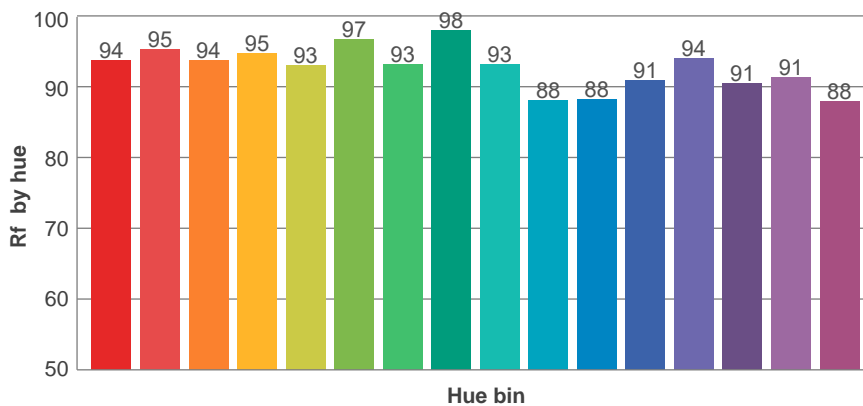
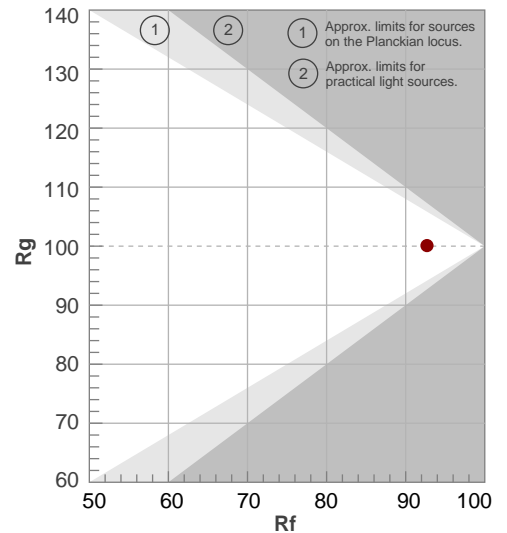
Rf 92.7

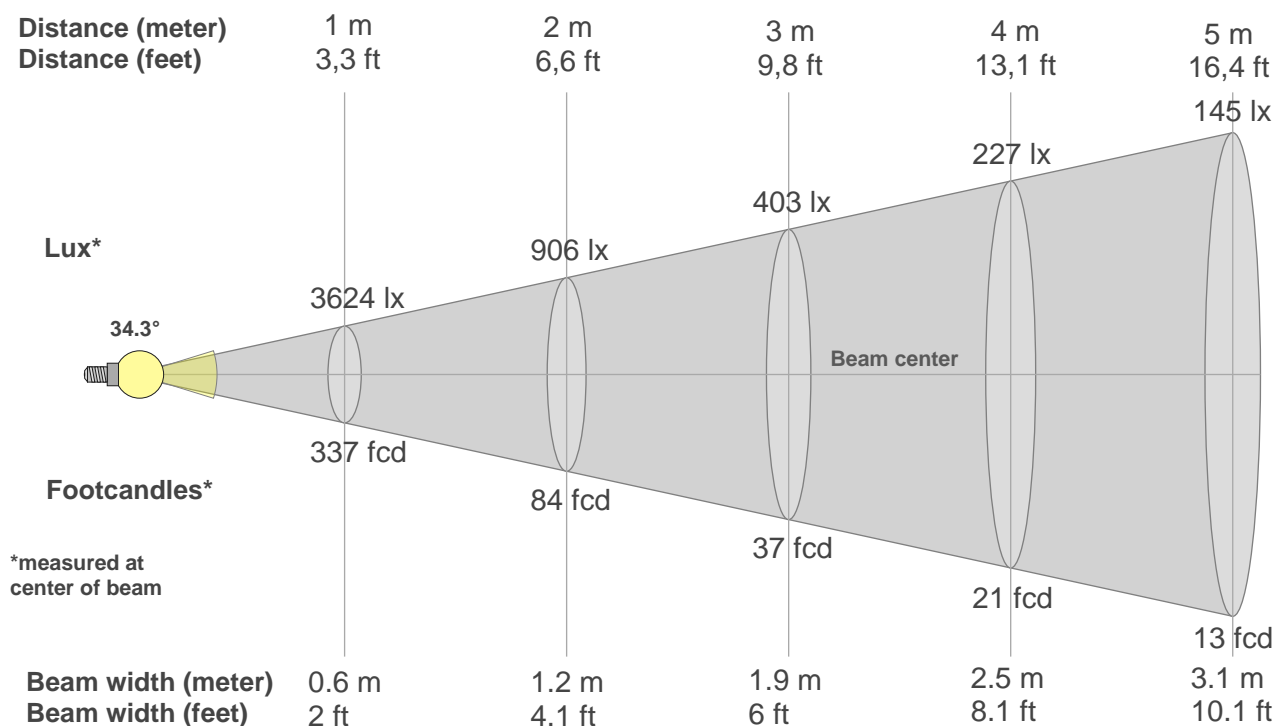
Fidelity index Rf

Rg 100.1

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	-3%	1%
2	95	-2%	1%
3	94	-1%	3%
4	95	-2%	0%
5	93	-3%	1%
6	97	1%	0%
7	93	-3%	1%
8	98	-1%	1%
9	93	-1%	5%
10	88	0%	7%
11	88	3%	8%
12	91	6%	1%
13	94	2%	-3%
14	91	4%	-6%
15	91	0%	-4%
16	88	1%	-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
3624lx	906lx	403lx	227lx	145lx	101lx	74lx	57lx	45lx	36lx	30lx	25lx	21lx	18lx	16lx	14lx	13lx	11lx	10lx	9lx
336.7fcd	84.2fcd	37.4fcd	21fcd	13.5fcd	9.4fcd	6.9fcd	5.3fcd	4.2fcd	3.4fcd	2.8fcd	2.3fcd	2fcd	1.7fcd	1.5fcd	1.3fcd	1.2fcd	1fcd	0.9fcd	0.8fcd

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°
3624	3605	3527	3379	3174	2925	2642	2333	2003	1672	1360	1077	829	617	444	311	209	135	84	52
100%	99%	97%	93%	88%	81%	73%	64%	55%	46%	38%	30%	23%	17%	12%	9%	6%	4%	2%	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°
3624	3603	3525	3390	3198	2951	2660	2342	2012	1680	1360	1077	832	623	450	310	204	133	85	53
100%	99%	97%	94%	88%	81%	73%	65%	56%	46%	38%	30%	23%	17%	12%	9%	6%	4%	2%	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°
3624	3588	3498	3356	3154	2904	2621	2315	1998	1677	1366	1089	846	638	464	324	221	144	92	59
100%	99%	97%	93%	87%	80%	72%	64%	55%	46%	38%	30%	23%	18%	13%	9%	6%	4%	3%	2%

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°
3624	3589	3494	3337	3133	2890	2615	2317	2000	1685	1383	1105	857	644	476	343	238	159	104	67
100%	99%	96%	92%	86%	80%	72%	64%	55%	46%	38%	30%	24%	18%	13%	9%	7%	4%	3%	2%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
34.3°	58.7°	72.1°	99.6%	98.9%