

Light efficiency:

52 Lumen/Watt

Light quality:

CRI: 96.1

Color temperature:

3121 K

Output: 1336 lm

Peak: 3253 cd

Power: 25.6 W

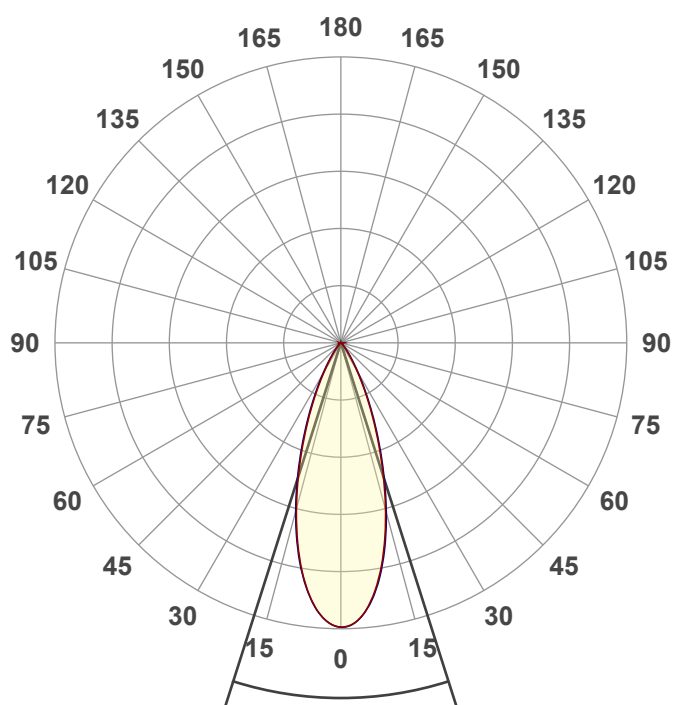
PF: 0.98



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

Date and time:

7/1/2022 11:39:25 AM



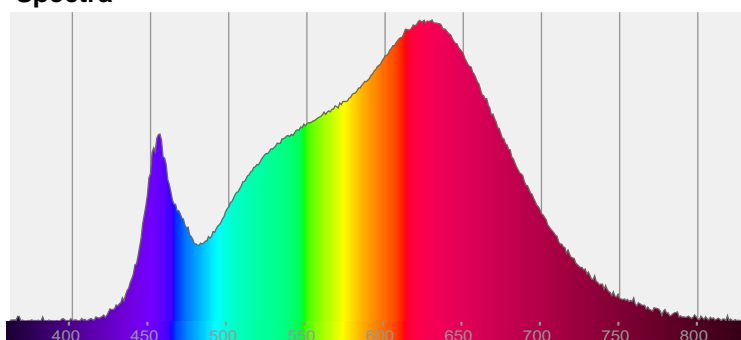
Beam angle

35.3°

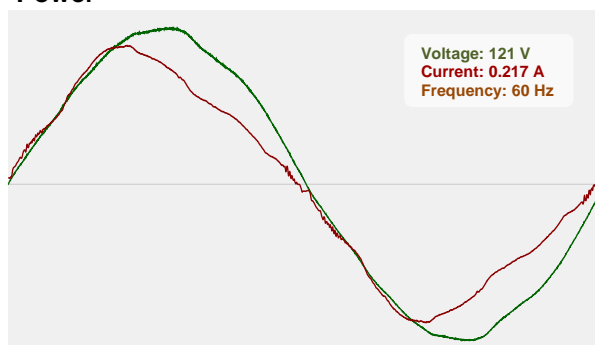


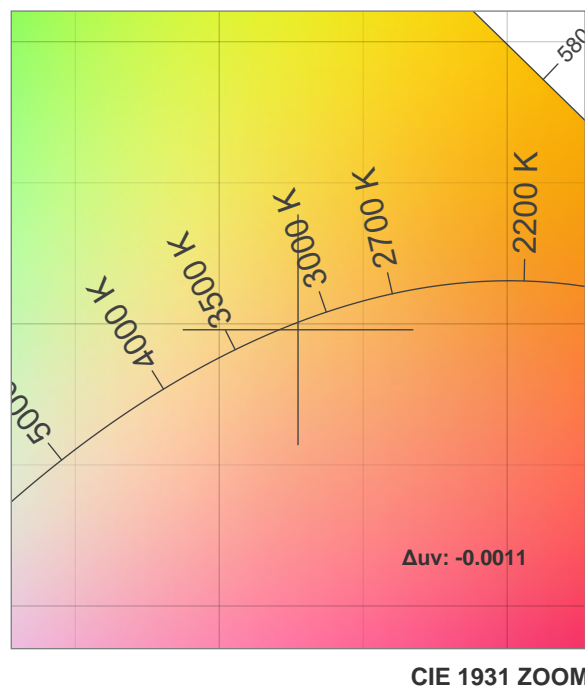
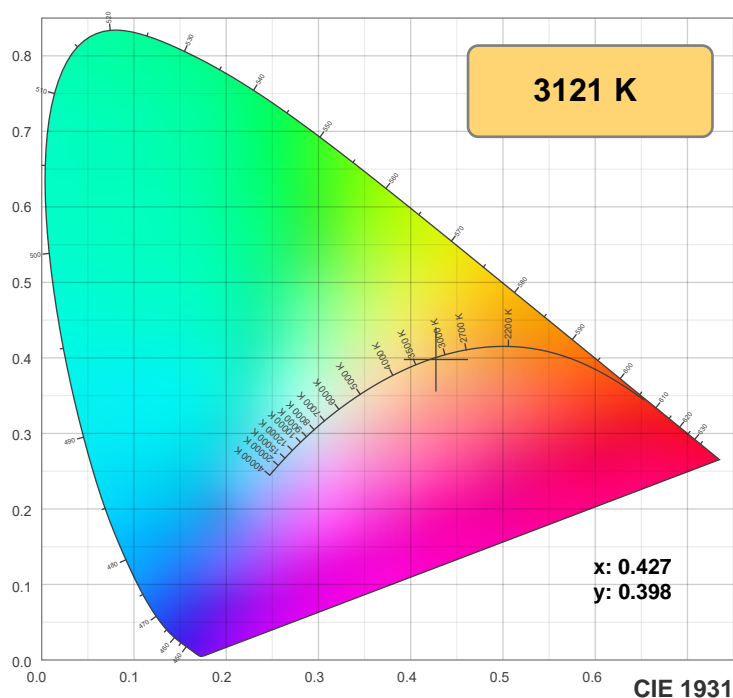
CIE 1931
x: 0.427
y: 0.398

Spectra

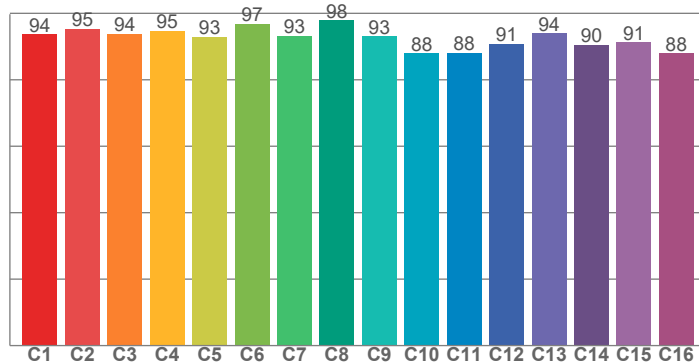


Power

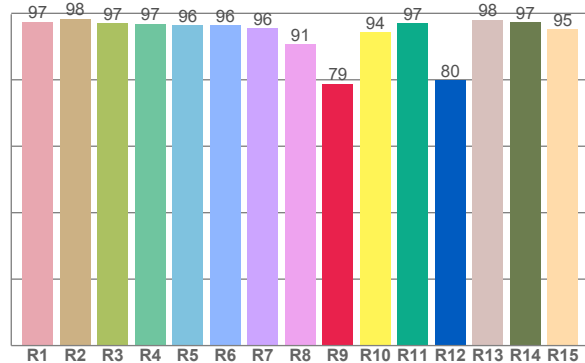




TM30: 92.7



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	96.4	96.4	95.5	90.8	78.8	94.3	97.1	79.8	98.1	97.4	95.2

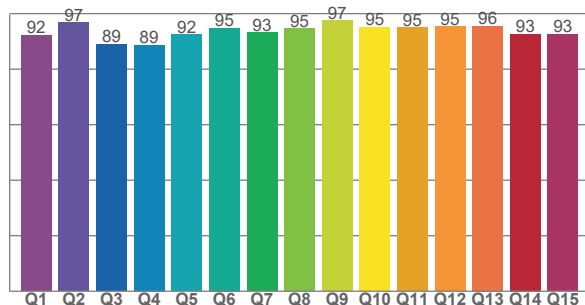
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93.7	95.3	93.8	94.7	92.9	96.8	93.2	97.9	93.1	87.9	88.2	90.9	93.9	90.5	91.2	87.9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92.2	96.7	88.9	88.6	92.5	94.8	93.1	94.6	97.4	95.1	94.9	95.3	95.6	92.6	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
3121 K	96.1	78.8	92.7	100.1	93.1	0.427	0.398	0.247	0.345	-0.0011

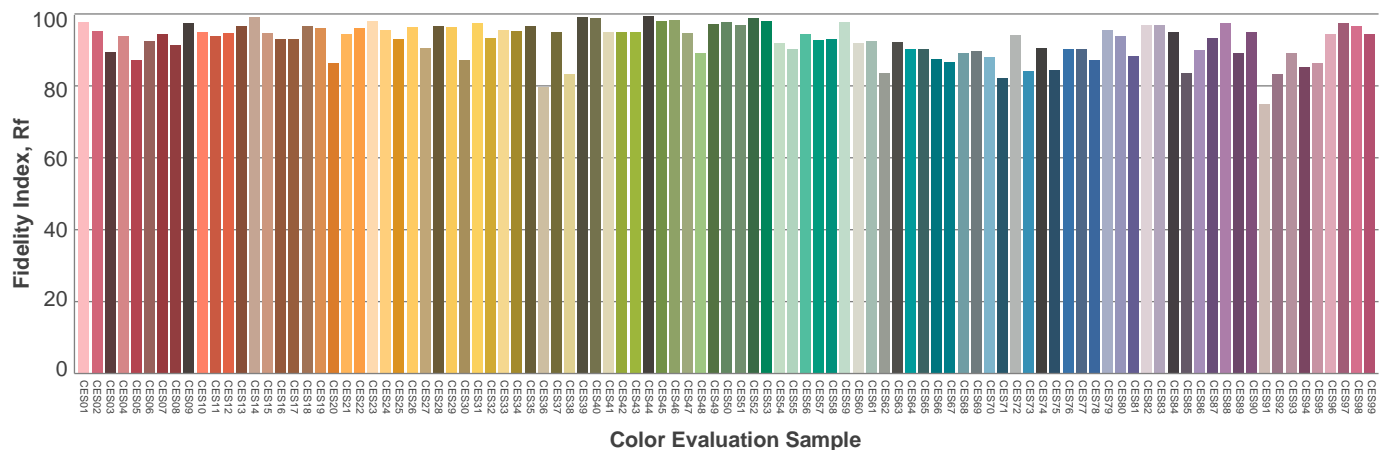
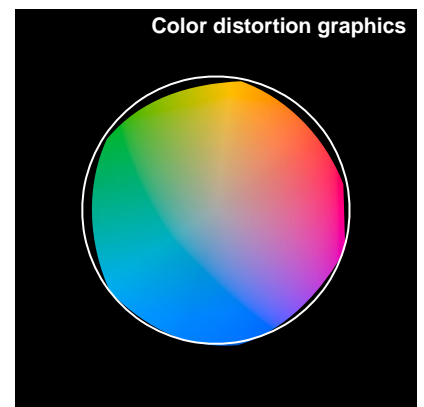
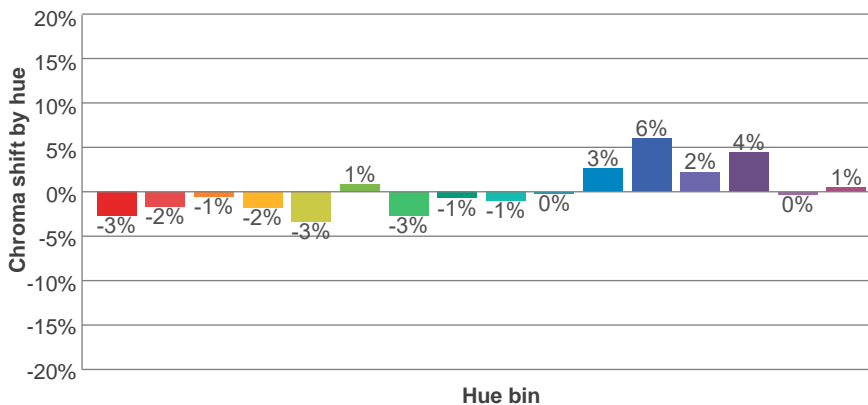
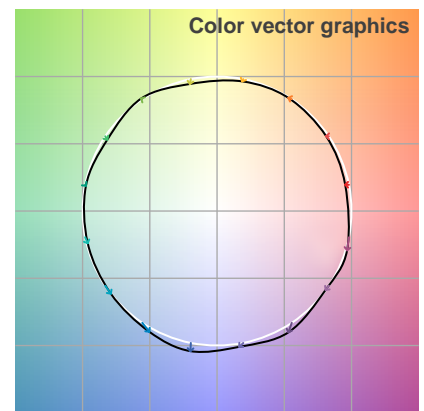
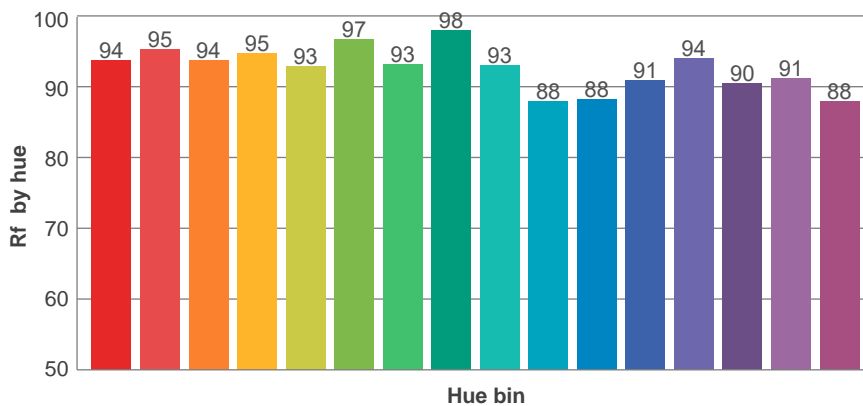
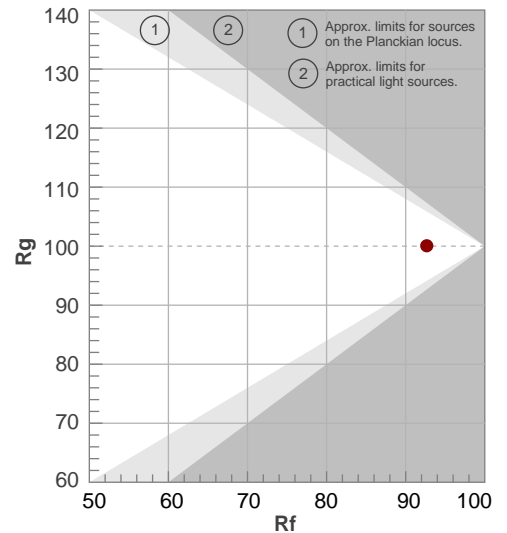
Rf 92.7

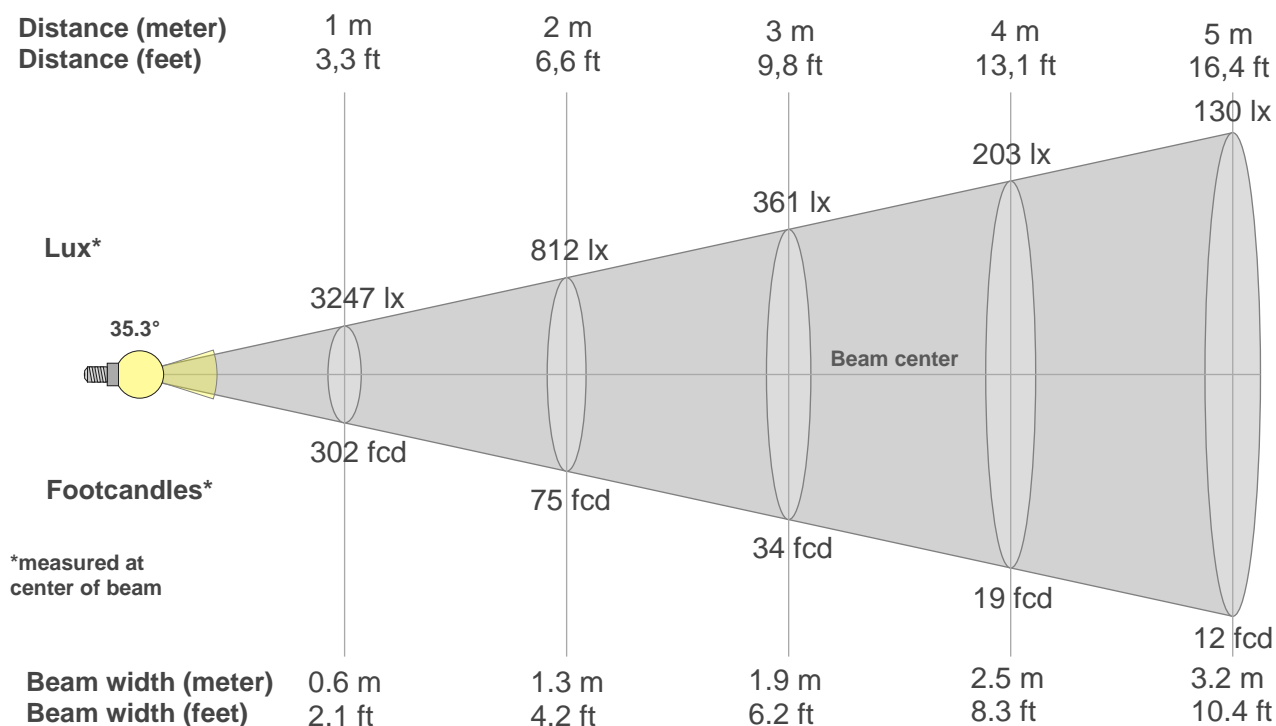
Fidelity index Rf

Rg 100.1

Gamut 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	90	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
3247lx	812lx	361lx	203lx	130lx	90lx	66lx	51lx	40lx	32lx	27lx	23lx	19lx	17lx	14lx	13lx	11lx	10lx	9lx	8lx
301.6fcd	75.4fcd	33.5fcd	18.9fcd	12.1fcd	8.4fcd	6.2fcd	4.7fcd	3.7fcd	3fcd	2.5fcd	2.1fcd	1.8fcd	1.5fcd	1.3fcd	1.2fcd	1fcd	0.9fcd	0.8fcd	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°
3247	3222	3146	3019	2845	2627	2378	2112	1836	1559	1297	1060	847	660	500	373	272	194	135	91
100%	99%	97%	93%	88%	81%	73%	65%	57%	48%	40%	33%	26%	20%	15%	11%	8%	6%	4%	3%

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°
3247	3232	3153	3025	2856	2649	2409	2144	1869	1596	1334	1092	880	694	535	400	290	212	151	107
100%	100%	97%	93%	88%	82%	74%	66%	58%	49%	41%	34%	27%	21%	16%	12%	9%	7%	5%	3%

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°
3247	3218	3130	2995	2818	2607	2363	2099	1829	1562	1303	1064	855	672	515	383	279	202	144	101
100%	99%	96%	92%	87%	80%	73%	65%	56%	48%	40%	33%	26%	21%	16%	12%	9%	6%	4%	3%

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°
3247	3212	3129	3003	2830	2619	2382	2127	1863	1596	1344	1110	897	710	549	419	314	230	164	119
100%	99%	96%	92%	87%	81%	73%	66%	57%	49%	41%	34%	28%	22%	17%	13%	10%	7%	5%	4%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
35.3°	62.5°	78.8°	99.5%	98.3%