

Light efficiency:

48 Lumen/Watt

Light quality:

CRI: 96.0

Color temperature:

3137 K

Output: 1231 lm

Peak: 4122 cd

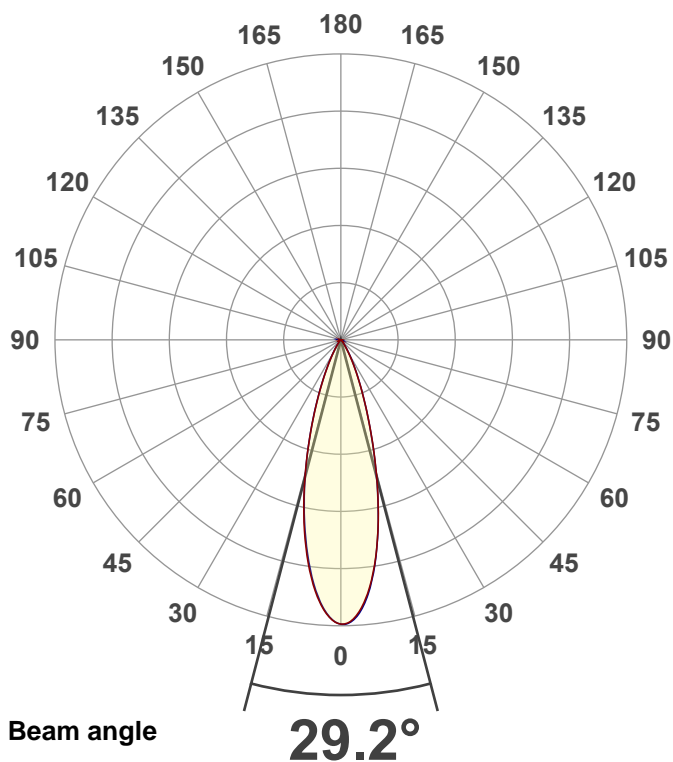
Power: 25.7 W

PF: 0.98



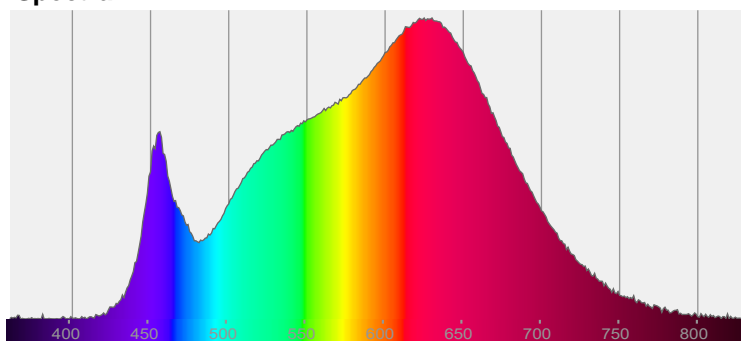
NU3-RA-WD-20LM-3018-97-30D-NA-SBL-WH-WH

Date and time:
7/1/2022 11:22:11 AM

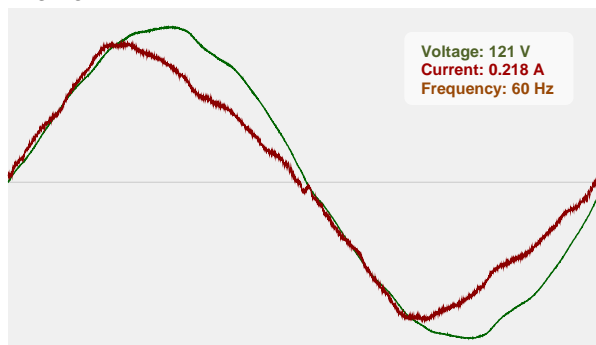


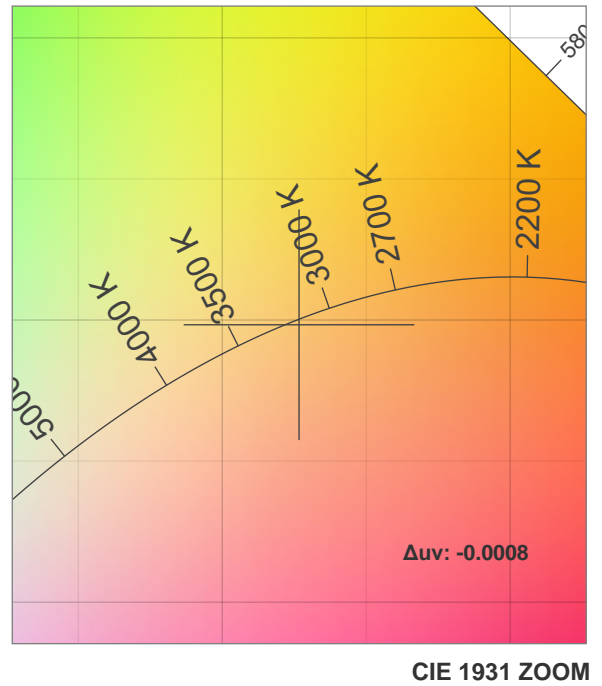
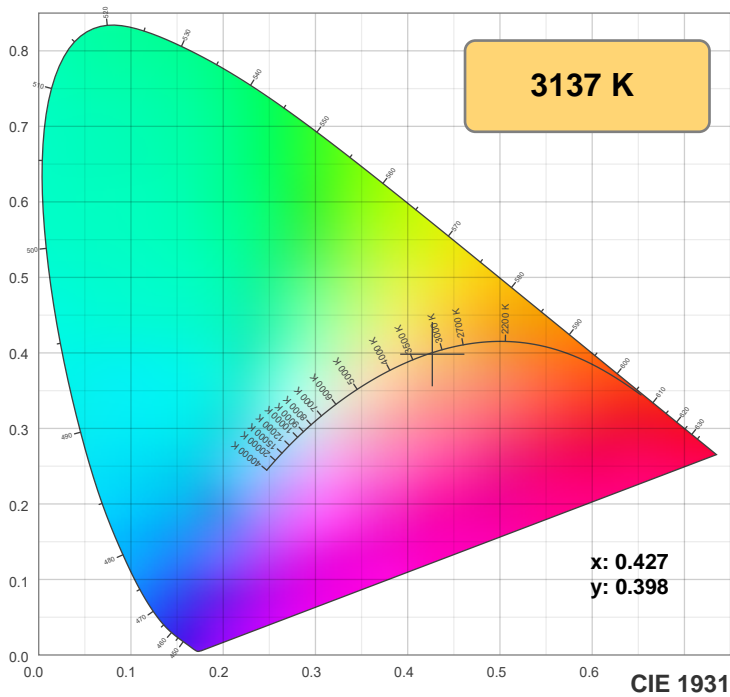
CIE 1931
x: 0.427
y: 0.398

Spectra

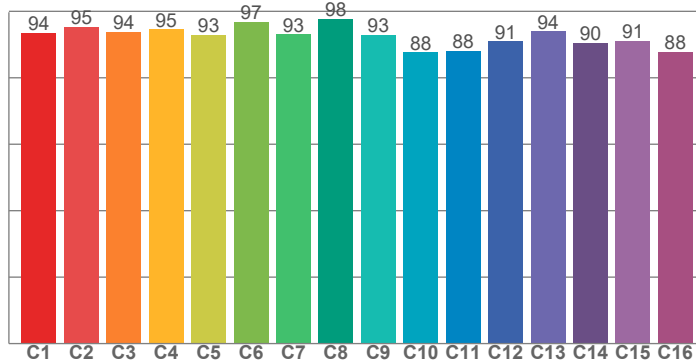


Power

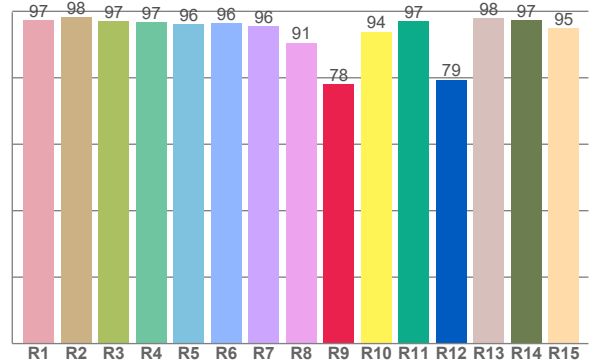




TM30: 92.6



CRI: 96.0 (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
97.2	98.2	96.9	96.7	96.1	96.4	95.5	90.5	78.0	93.9	97.0	79.4	97.8	97.4	94.8

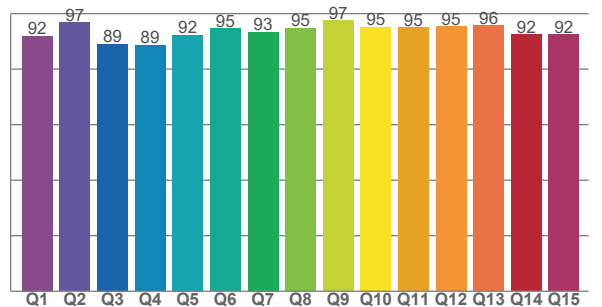
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93.5	95.3	93.8	94.6	92.9	96.8	93.1	97.8	92.9	87.7	88.1	90.9	94.0	90.5	91.1	87.9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92.0	96.7	89.0	88.6	92.3	94.6	93.4	94.7	97.5	95.1	95.0	95.4	95.7	92.5	92.4

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
3137 K	96.0	78.0	92.6	99.9	93.1	0.427	0.398	0.246	0.345	-0.0008

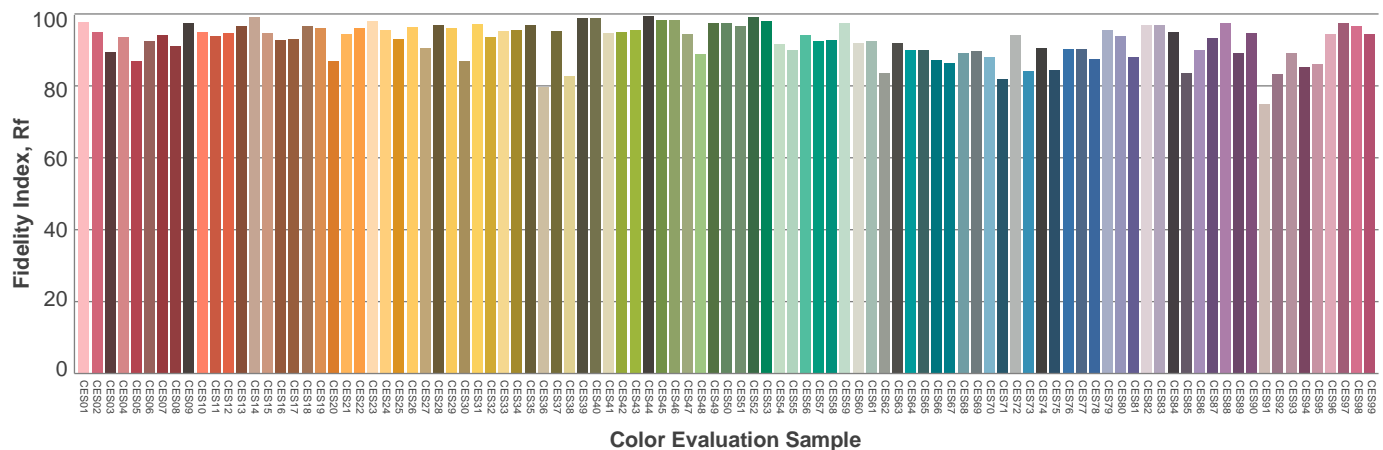
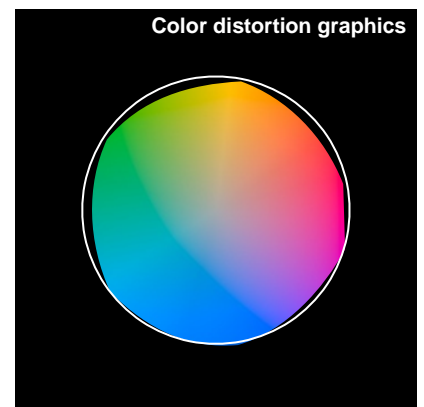
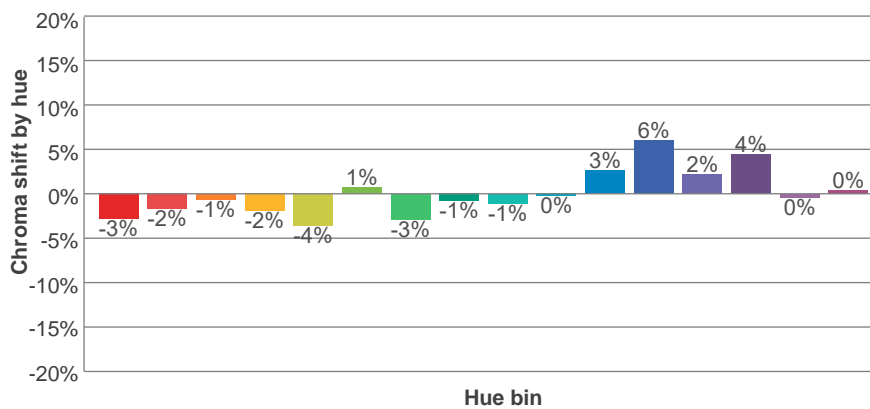
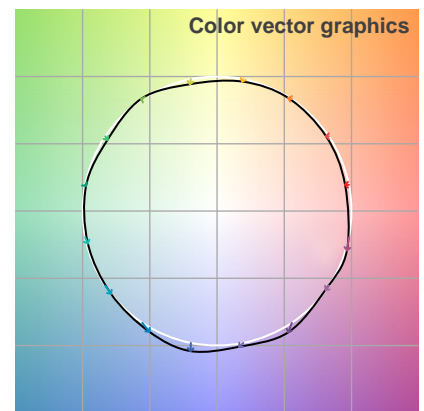
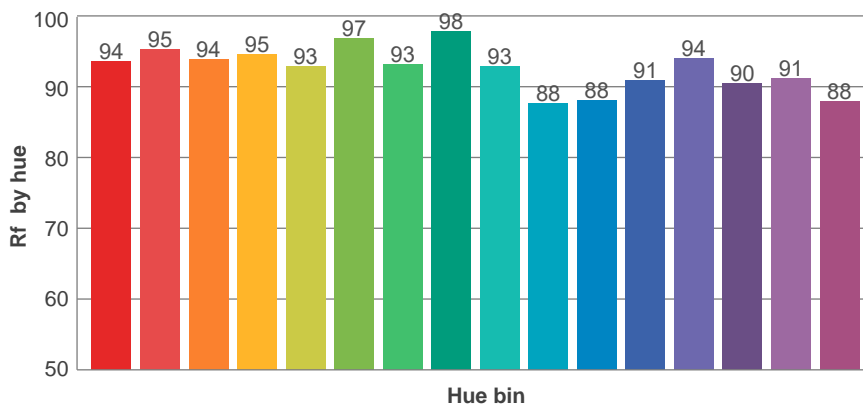
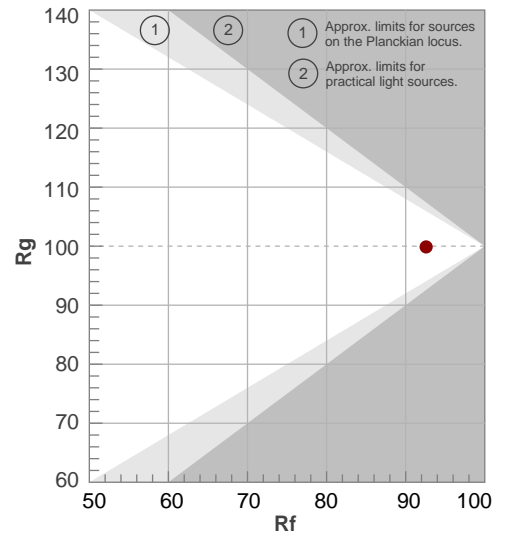
Rf 92.6

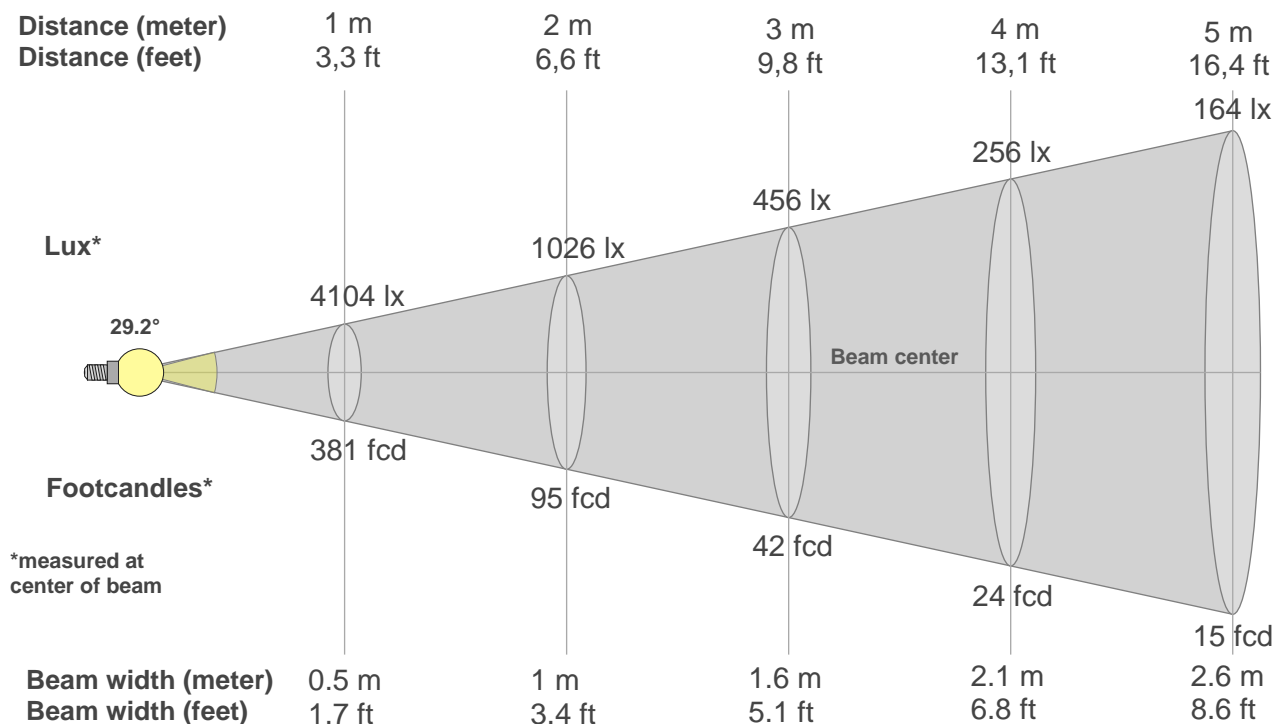
Fidelity index Rf

Rg 99.9

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	-4%	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%	-4%
14	90	4%	-6%
15	91	0%	-4%
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
4104lx	1026lx	456lx	256lx	164lx	114lx	84lx	64lx	51lx	41lx	34lx	28lx	24lx	21lx	18lx	16lx	14lx	13lx	11lx	10lx
381.3fcd	95.3fcd	42.4fcd	23.8fcd	15.3fcd	10.6fcd	7.8fcd	6fcd	4.7fcd	3.8fcd	3.2fcd	2.6fcd	2.3fcd	1.9fcd	1.7fcd	1.5fcd	1.3fcd	1.2fcd	1.1fcd	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°
4104	4074	3933	3691	3380	3015	2613	2194	1786	1419	1103	841	631	473	346	246	169	115	79	54
100%	99%	96%	90%	82%	73%	64%	53%	44%	35%	27%	21%	15%	12%	8%	6%	4%	3%	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°
4104	4077	3951	3724	3398	3018	2605	2181	1767	1405	1096	842	640	480	360	264	189	131	87	61
100%	99%	96%	91%	83%	74%	63%	53%	43%	34%	27%	21%	16%	12%	9%	6%	5%	3%	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°
4104	4034	3873	3635	3322	2965	2583	2189	1798	1436	1123	859	640	465	333	237	165	113	76	53
100%	98%	94%	89%	81%	72%	63%	53%	44%	35%	27%	21%	16%	11%	8%	6%	4%	3%	2%	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°
4104	4031	3866	3605	3283	2928	2554	2171	1791	1442	1132	864	641	470	341	243	171	119	85	62
100%	98%	94%	88%	80%	71%	62%	53%	44%	35%	28%	21%	16%	11%	8%	6%	4%	3%	2%	2%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
29.2°	53.9°	69.7°	99.5%	98.7%