

Light efficiency:

46 Lumen/Watt

Light quality:

CRI: 95.9

Color temperature:

3135 K

Output: 1167 lm

Peak: 3523 cd

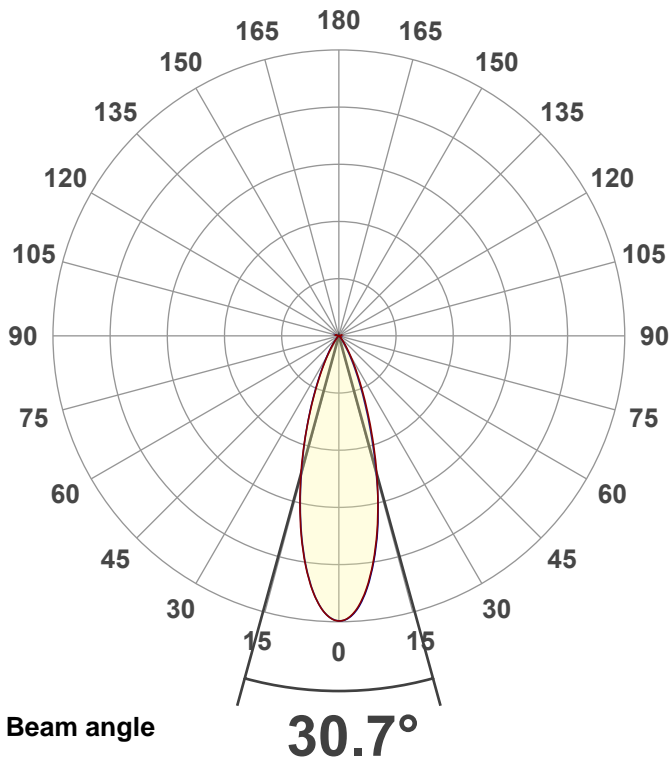
Power: 25.4 W

PF: 0.97



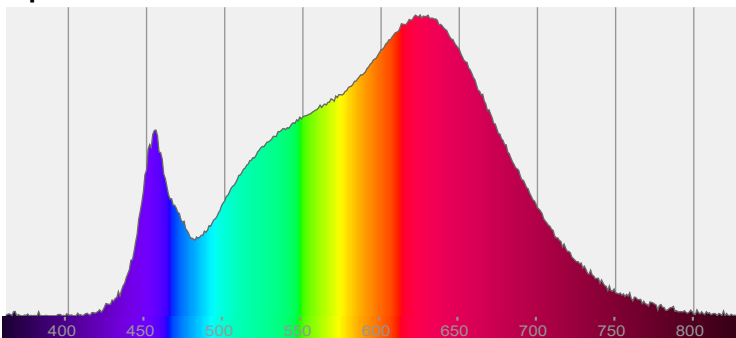
NU3-RA-WD-20LM-3018-97-30D-HETA-NL-WH-WH

Date and time:
7/12/2022 1:46:14 PM

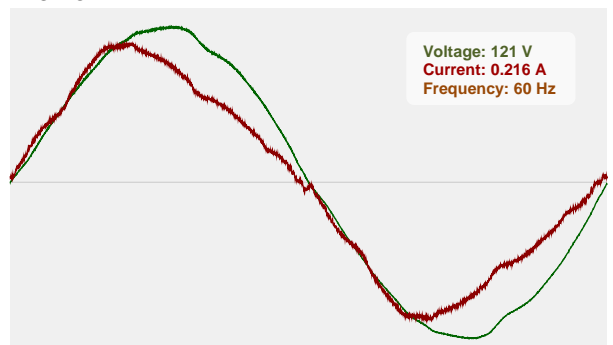


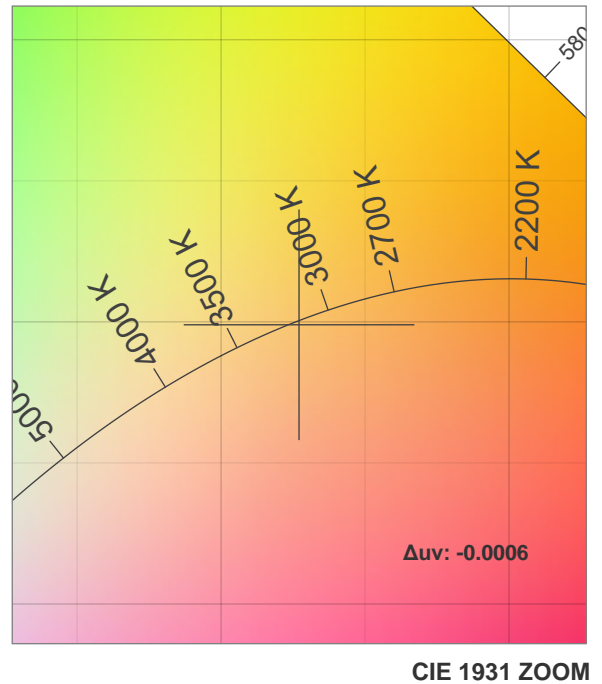
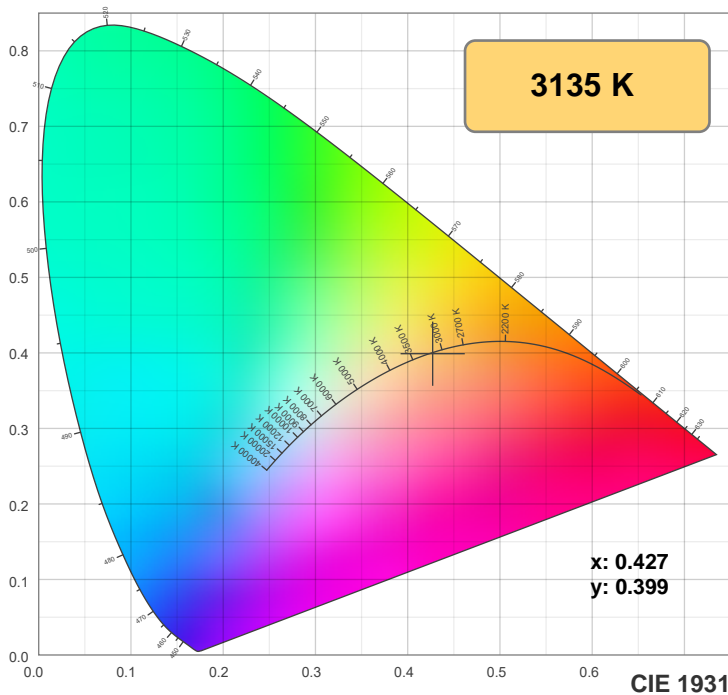
CIE 1931
x: 0.427
y: 0.399

Spectra

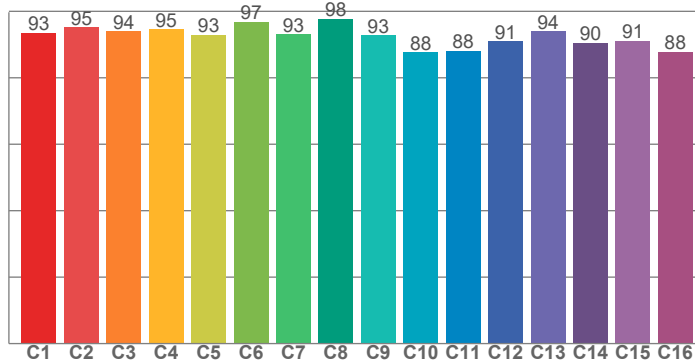


Power

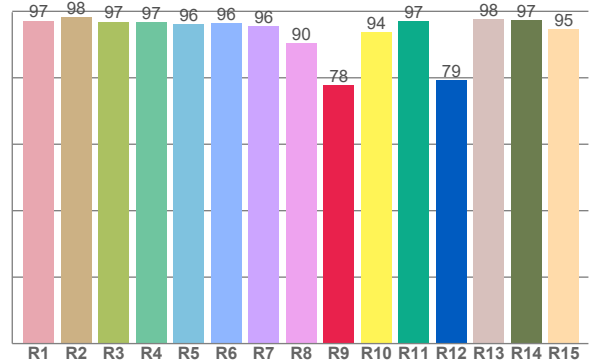




TM30: 92.6



CRI: 95.9 (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
97.1	98.2	96.9	96.6	96.0	96.4	95.5	90.4	77.7	93.7	97.0	79.3	97.7	97.4	94.7

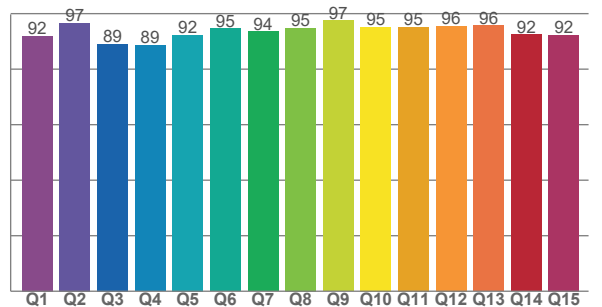
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93.5	95.2	93.9	94.5	92.9	96.9	93.1	97.7	92.8	87.6	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
91.9	96.7	89.1	88.6	92.3	94.6	93.5	94.8	97.5	95.2	95.1	95.5	95.7	92.4	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
3135 K	95.9	77.7	92.6	99.8	93.1	0.427	0.399	0.246	0.345	-0.0006

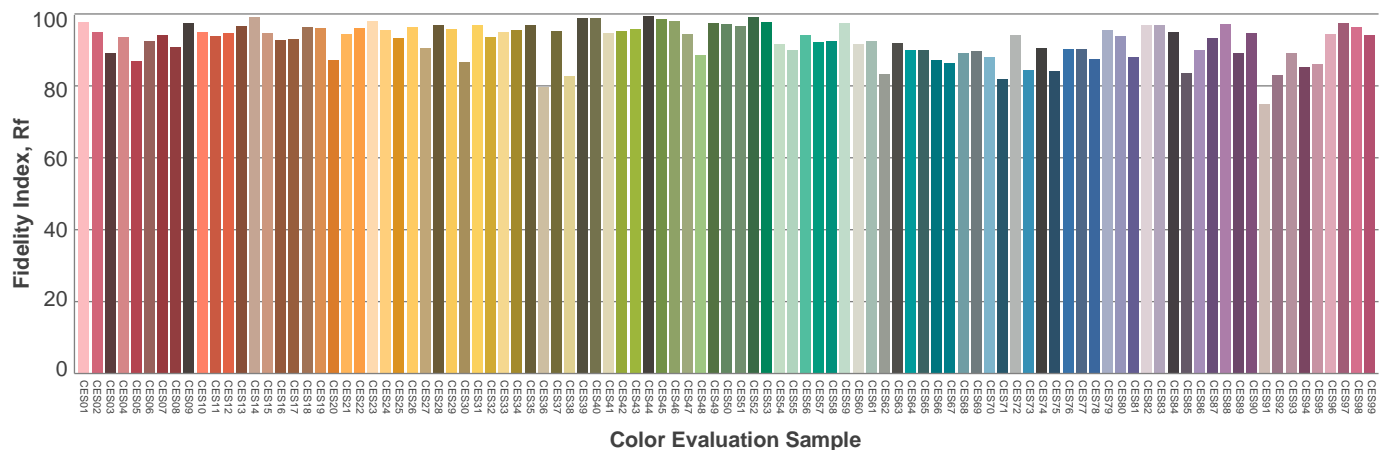
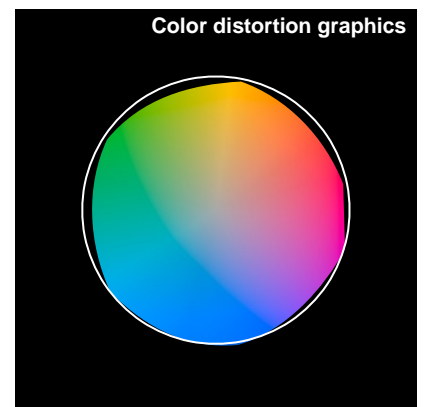
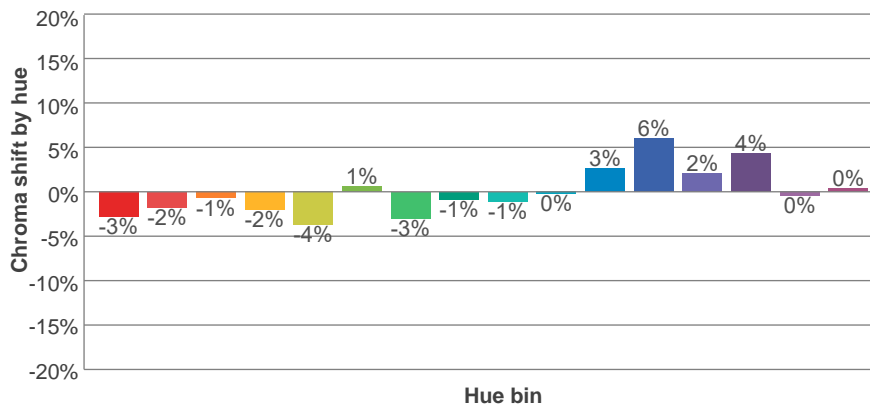
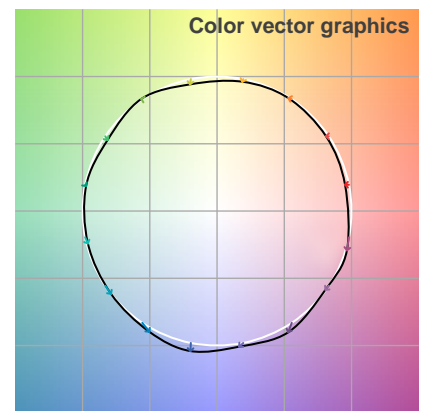
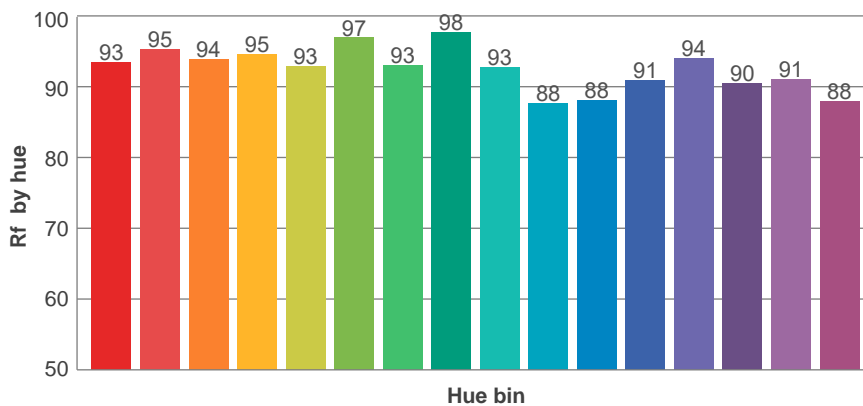
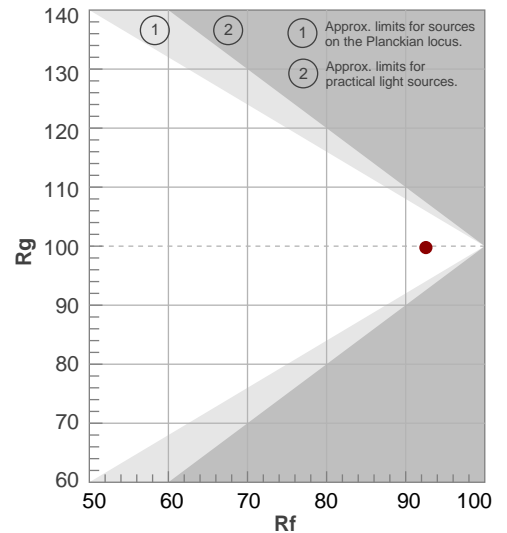
Rf 92.6

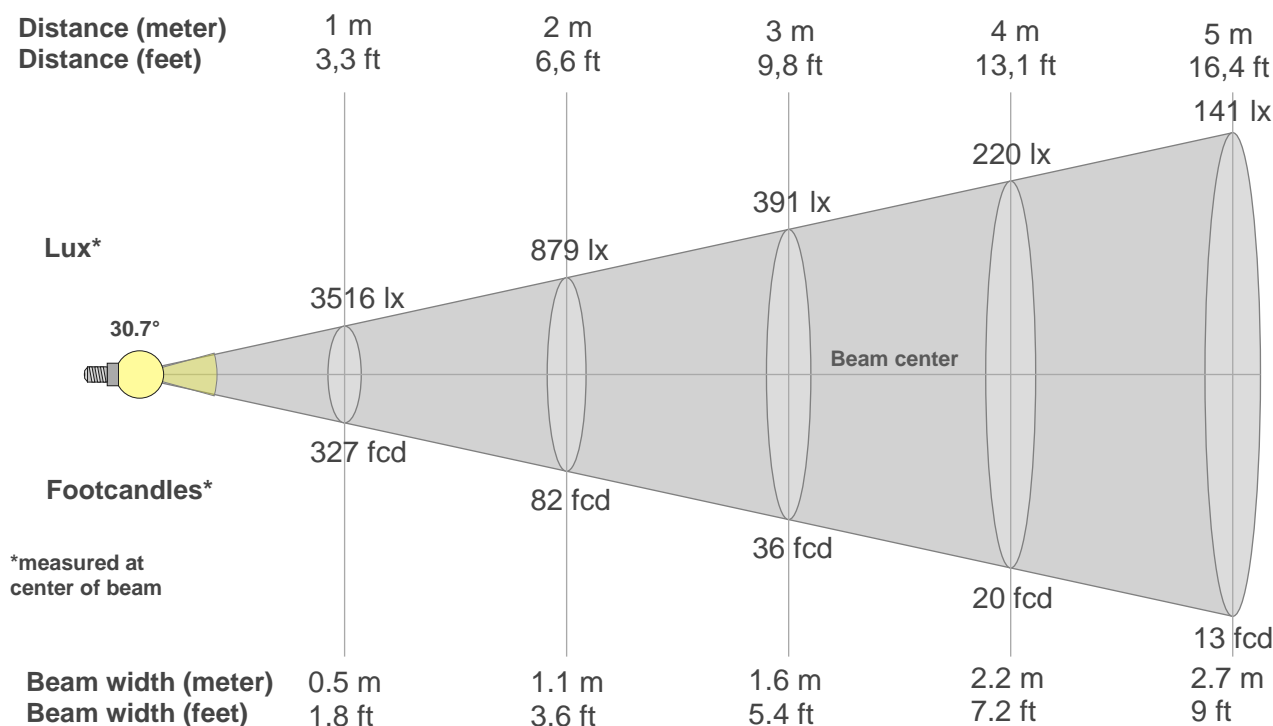
Fidelity index Rf

Rg 99.8

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	-3%	1%
2	95	-2%	1%
3	94	-1%	3%
4	95	-2%	0%
5	93	-4%	1%
6	97	1%	1%
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
3516lx	879lx	391lx	220lx	141lx	98lx	72lx	55lx	43lx	35lx	29lx	24lx	21lx	18lx	16lx	14lx	12lx	11lx	10lx	9lx
326.7fcd	81.7fcd	36.3fcd	20.4fcd	13.1fcd	9.1fcd	6.7fcd	5.1fcd	4fcd	3.3fcd	2.7fcd	2.3fcd	1.9fcd	1.7fcd	1.5fcd	1.3fcd	1.1fcd	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°
3516	3480	3365	3172	2915	2626	2313	1990	1674	1369	1097	865	673	517	394	297	222	162	116	81
100%	99%	96%	90%	83%	75%	66%	57%	48%	39%	31%	25%	19%	15%	11%	8%	6%	5%	3%	2%

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°
3516	3489	3382	3183	2932	2645	2328	1984	1631	1311	1034	800	609	455	333	241	171	119	82	55
100%	99%	96%	91%	83%	75%	66%	56%	46%	37%	29%	23%	17%	13%	9%	7%	5%	3%	2%	2%

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°
3516	3472	3350	3160	2906	2615	2303	1987	1677	1378	1103	866	668	506	378	277	204	147	105	74
100%	99%	95%	90%	83%	74%	66%	57%	48%	39%	31%	25%	19%	14%	11%	8%	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°
3516	3468	3344	3149	2897	2601	2285	1964	1653	1365	1107	882	689	529	401	301	226	166	121	85
100%	99%	95%	90%	82%	74%	65%	56%	47%	39%	31%	25%	20%	15%	11%	9%	6%	5%	3%	2%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
30.7°	57°	73.9°	99.7%	98.8%