

Light efficiency:

44 Lumen/Watt

Light quality:

CRI: 96.3

Color temperature:

2995 K

Output: 1645 lm

Peak: 3478 cd

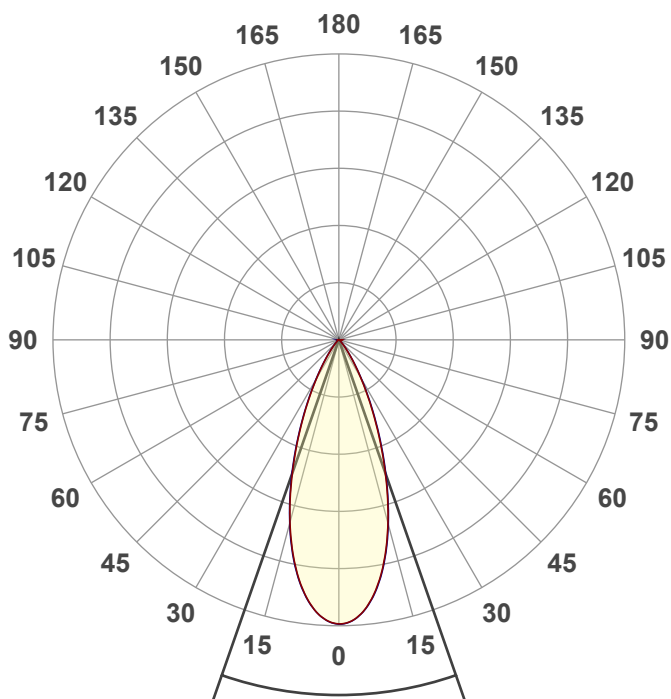
Power: 37.3 W

PF: 0.98



NU3-RA-WD-30LM-3018-97-40D-NA-HET-WH-WH

Date and time:
6/30/2022 11:21:57 AM



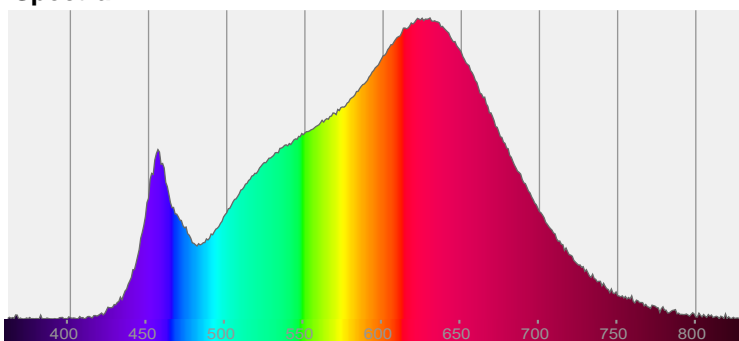
Beam angle

38.5°

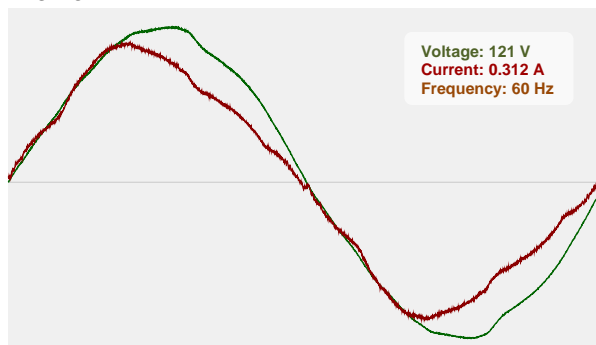


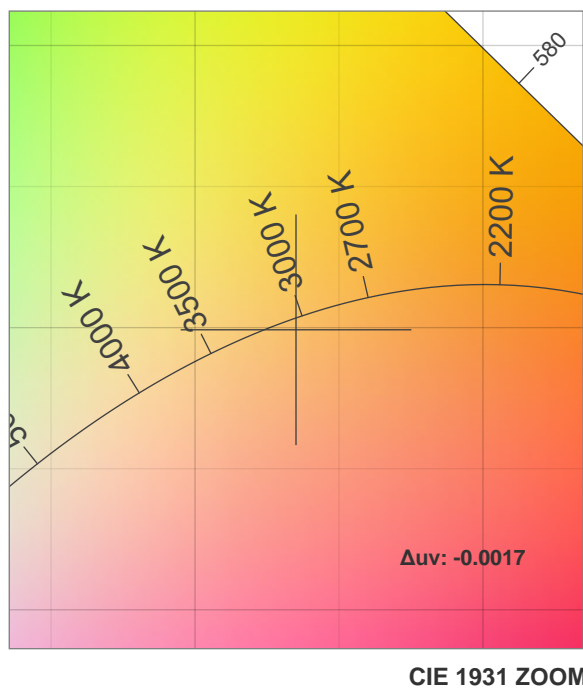
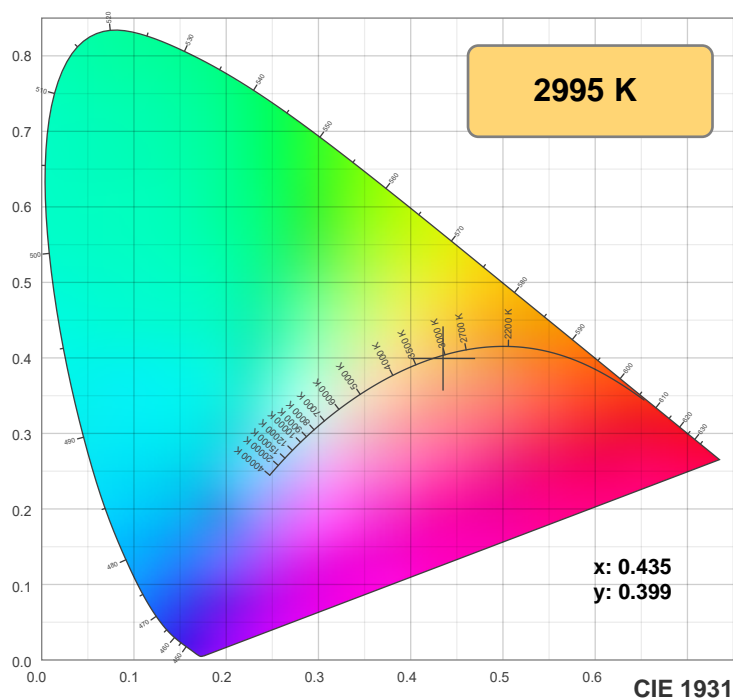
CIE 1931
x: 0.435
y: 0.399

Spectra

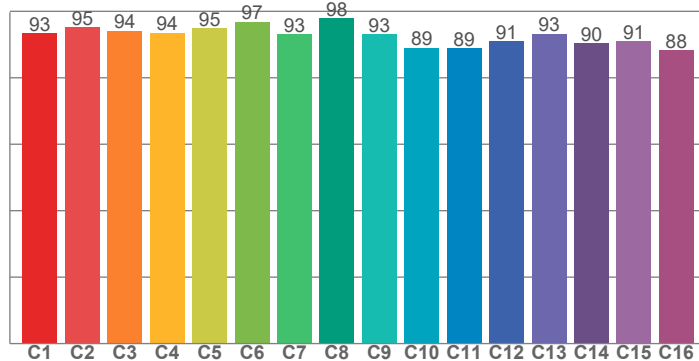


Power

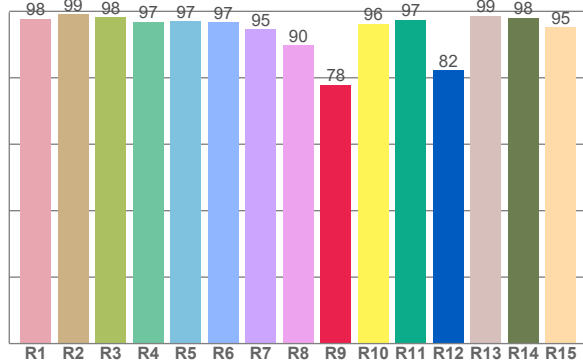




TM30: 92.8



CRI: 96.3 (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
97.8	99.1	98.1	96.9	97.0	96.8	94.5	89.9	77.9	96.2	97.5	82.2	98.7	98.0	95.2

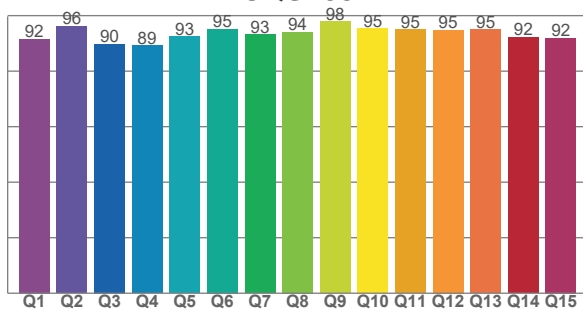
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93.4	95.2	94.1	93.6	94.9	96.8	93.1	97.8	93.0	88.9	88.9	91.0	93.2	90.3	90.9	88.3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91.6	96.1	89.9	89.2	92.5	95.1	93.2	94.1	97.8	95.3	94.9	94.9	95.0	92.2	92.0

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
2995 K	96.3	77.9	92.8	99.9	93.1	0.435	0.399	0.251	0.346	-0.0017

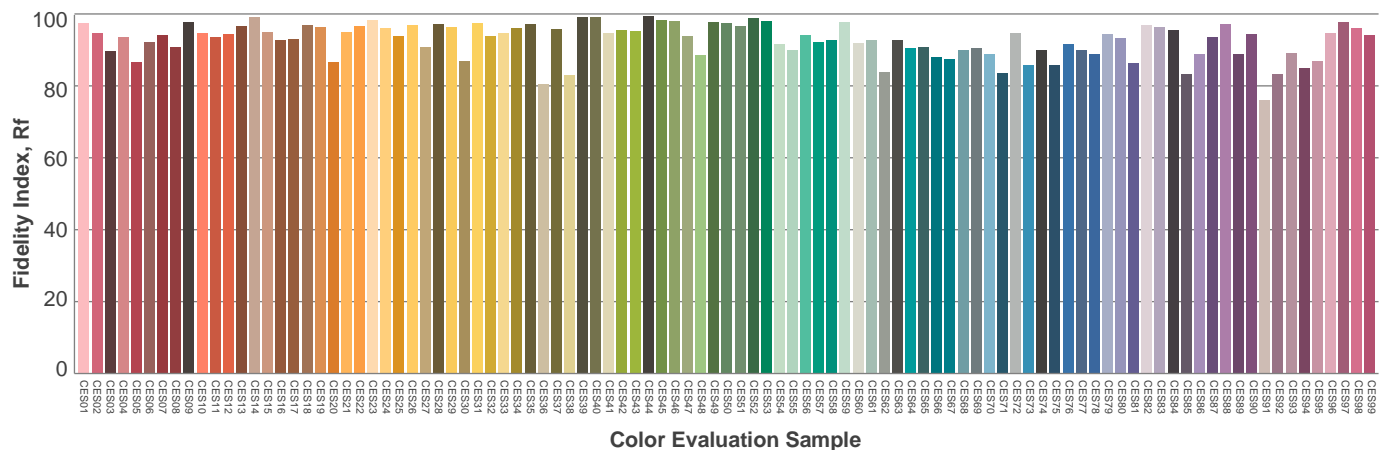
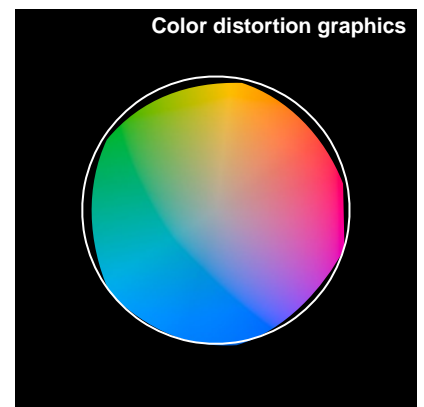
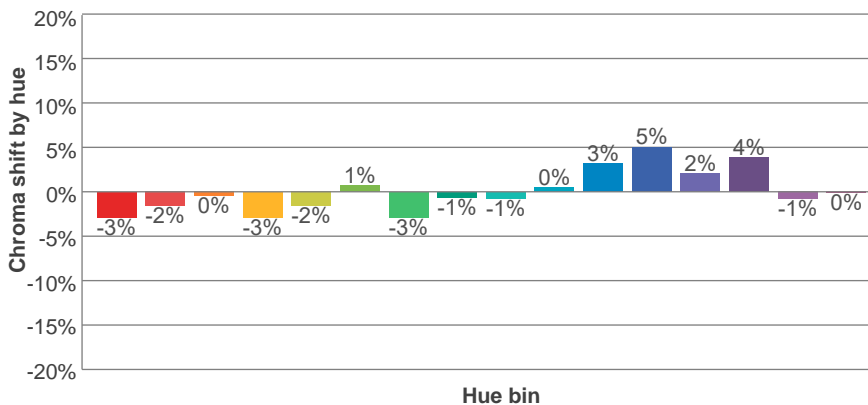
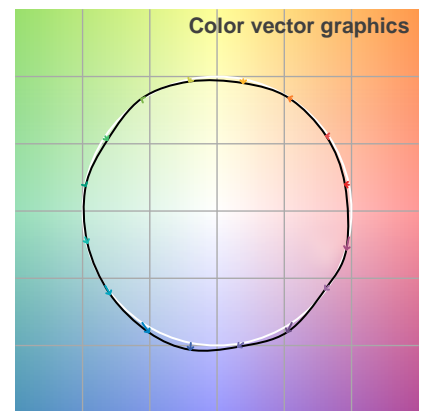
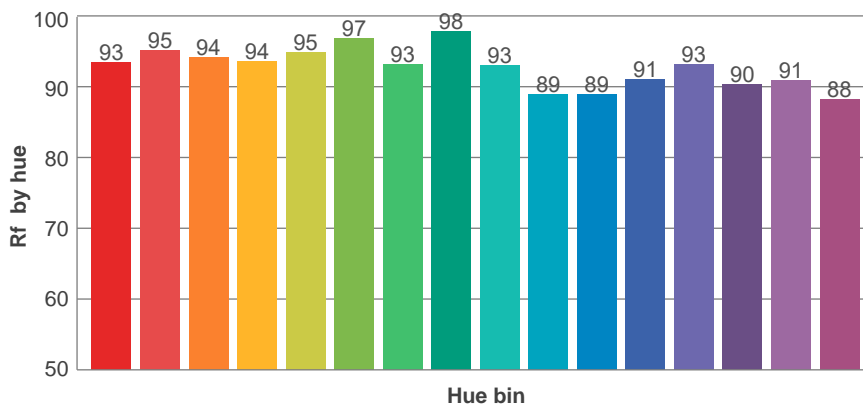
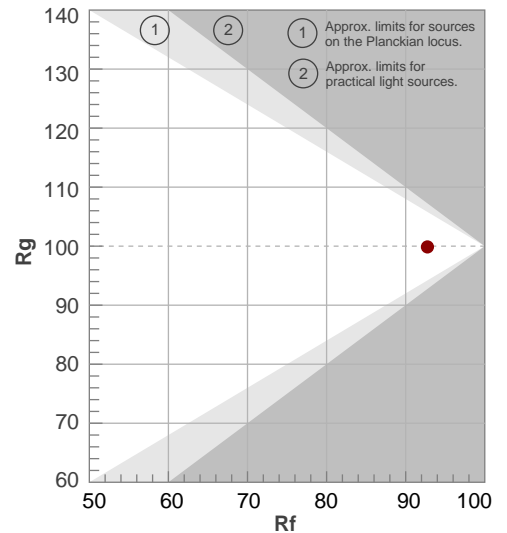
Rf 92.8

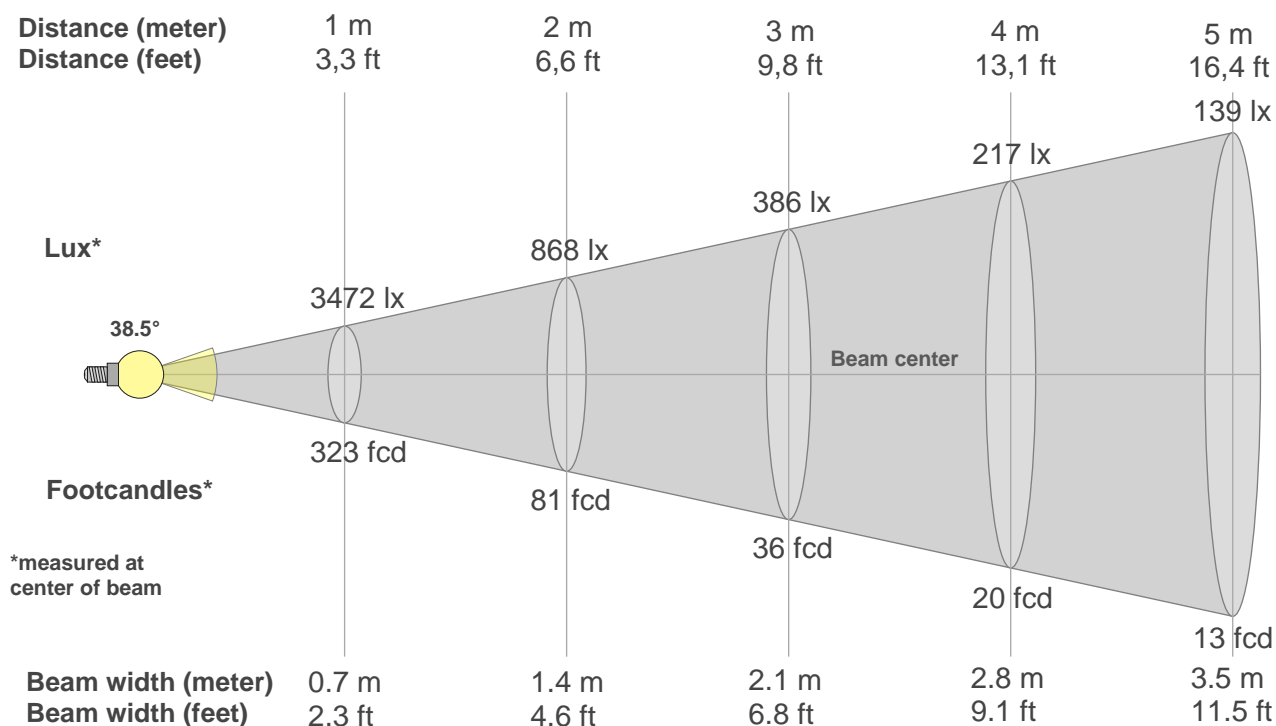
Fidelity index Rf

Rg 99.9

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	-3%	1%
2	95	-2%	1%
3	94	0%	3%
4	94	-3%	-1%
5	95	-2%	1%
6	97	1%	0%
7	93	-3%	1%
8	98	-1%	1%
9	93	-1%	4%
10	89	0%	7%
11	89	3%	8%
12	91	5%	1%
13	93	2%	-4%
14	90	4%	-7%
15	91	-1%	-4%
16	88	0%	-9%





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
3472lx	868lx	386lx	217lx	139lx	96lx	71lx	54lx	43lx	35lx	29lx	24lx	21lx	18lx	15lx	14lx	12lx	11lx	10lx	9lx
322.6fcd	80.6fcd	35.8fcd	20.2fcd	12.9fcd	9fcd	6.6fcd	5fcd	4fcd	3.2fcd	2.7fcd	2.2fcd	1.9fcd	1.6fcd	1.4fcd	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°
3472	3450	3385	3277	3127	2935	2706	2452	2182	1902	1621	1357	1113	893	701	534	406	300	217	156
100%	99%	98%	94%	90%	85%	78%	71%	63%	55%	47%	39%	32%	26%	20%	15%	12%	9%	6%	4%

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°
3472	3452	3389	3285	3136	2943	2718	2468	2200	1920	1646	1384	1139	917	719	555	419	309	221	154
100%	99%	98%	95%	90%	85%	78%	71%	63%	55%	47%	40%	33%	26%	21%	16%	12%	9%	6%	4%

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°
3472	3448	3373	3255	3100	2910	2689	2440	2174	1900	1626	1362	1120	903	713	550	414	305	224	162
100%	99%	97%	94%	89%	84%	77%	70%	63%	55%	47%	39%	32%	26%	21%	16%	12%	9%	6%	5%

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°
3472	3448	3377	3260	3106	2918	2700	2455	2189	1918	1648	1385	1137	920	731	568	431	319	235	173
100%	99%	97%	94%	89%	84%	78%	71%	63%	55%	47%	40%	33%	27%	21%	16%	12%	9%	7%	5%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
38.5°	66.5°	83.4°	99.4%	97.7%