

Light efficiency:

48 Lumen/Watt

Light quality:

CRI: 95.9

Color temperature:

3139 K

Output: 1238 lm

Peak: 1846 cd

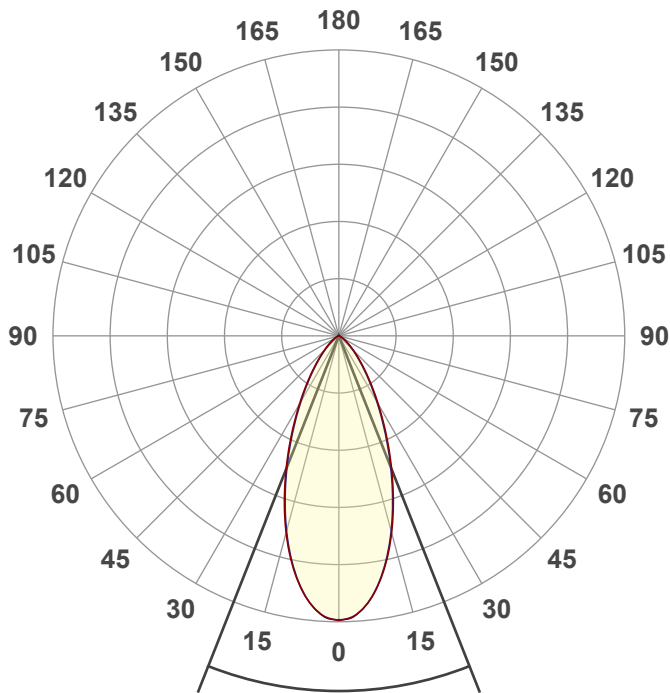
Power: 25.6 W

PF: 0.98



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

Date and time:
7/1/2022 10:52:56 AM



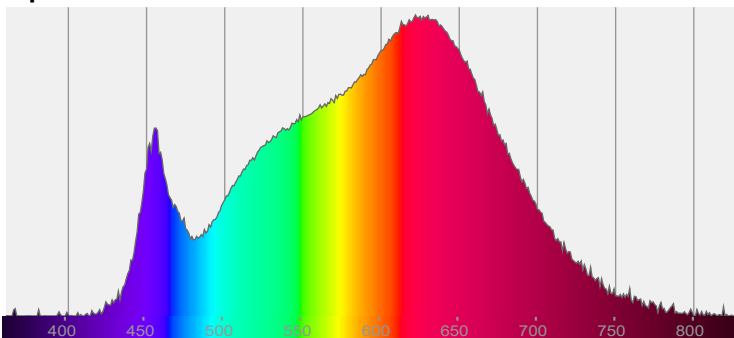
Beam angle

43.1°

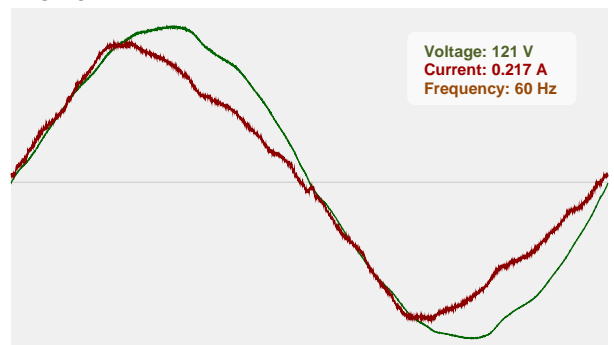


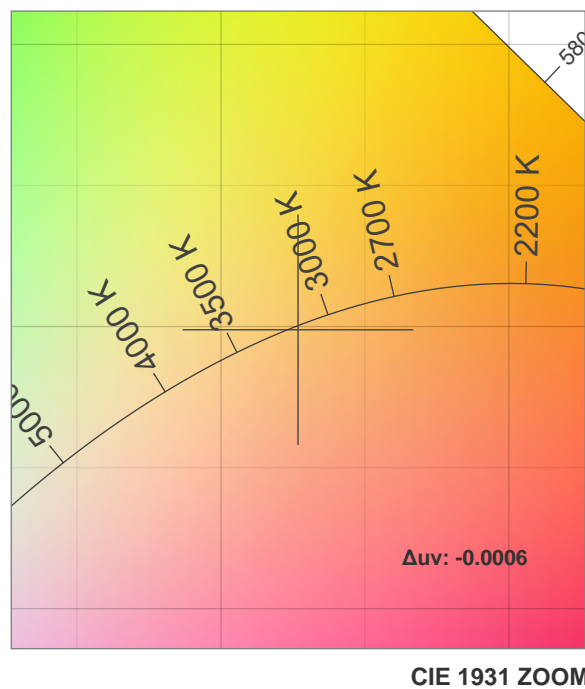
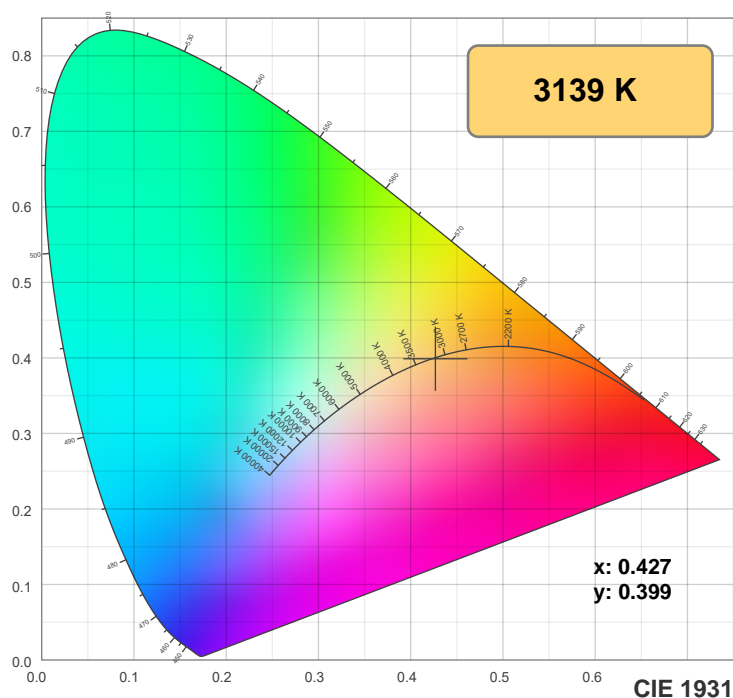
CIE 1931
x: 0.427
y: 0.399

Spectra

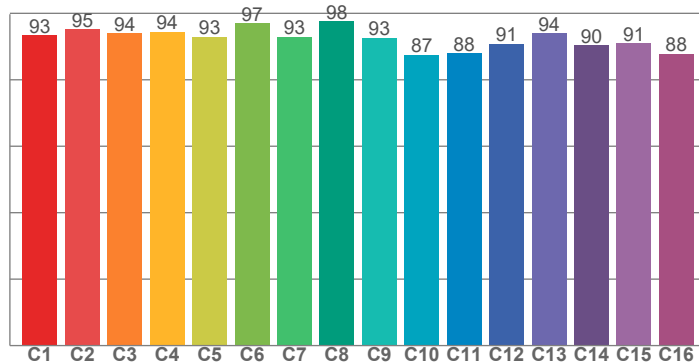


Power

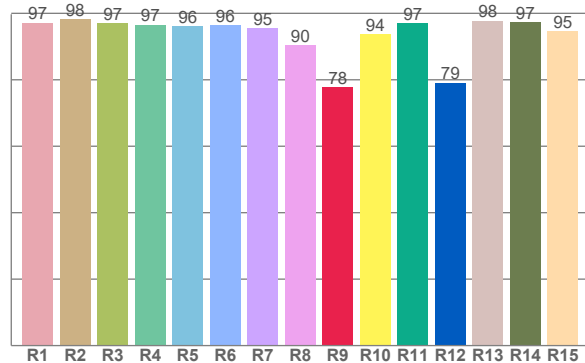




TM30: 92.5



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	97.0	96.6	96.0	96.4	95.5	90.4	77.7	93.8	97.0	79.1	97.8	97.4	94.7

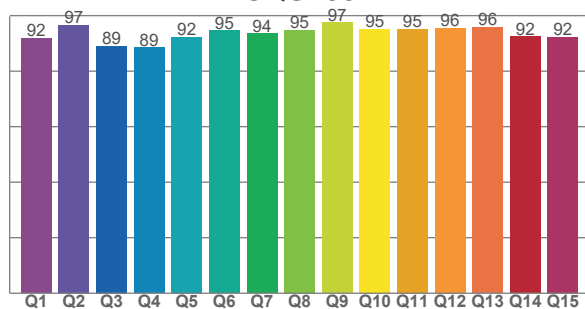
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93.4	95.2	94.0	94.4	92.8	96.9	93.0	97.6	92.6	87.5	88.0	90.9	93.9	90.4	91.0	87.8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91.8	96.7	89.1	88.6	92.2	94.6	93.6	94.8	97.5	95.3	95.2	95.5	95.8	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
3139 K	95.9	77.7	92.5	99.7	93.1	0.427	0.399	0.246	0.345	-0.0006

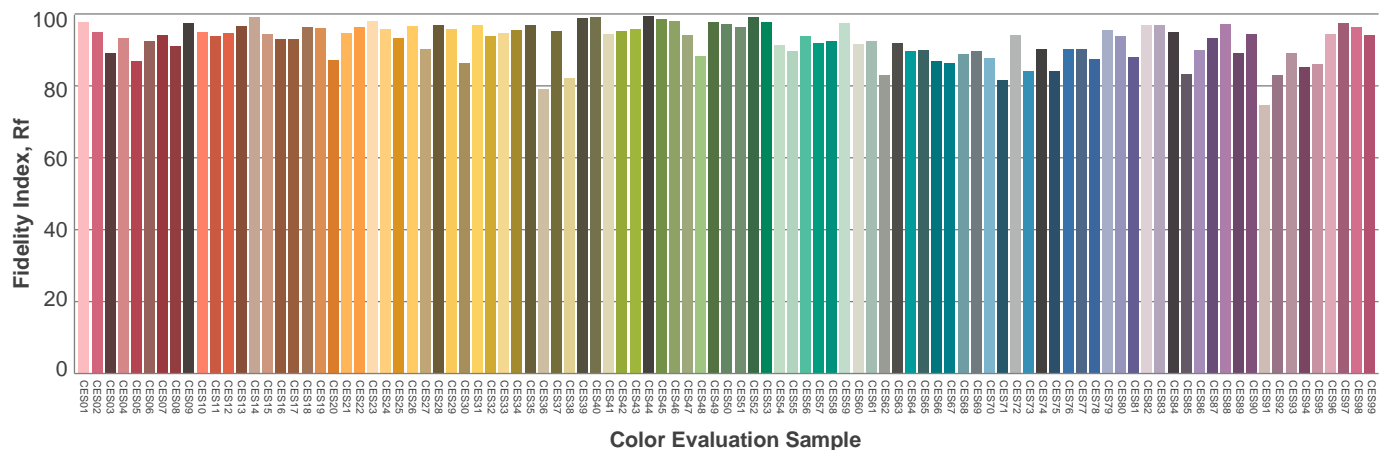
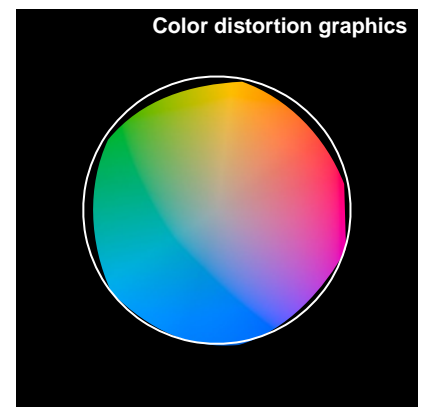
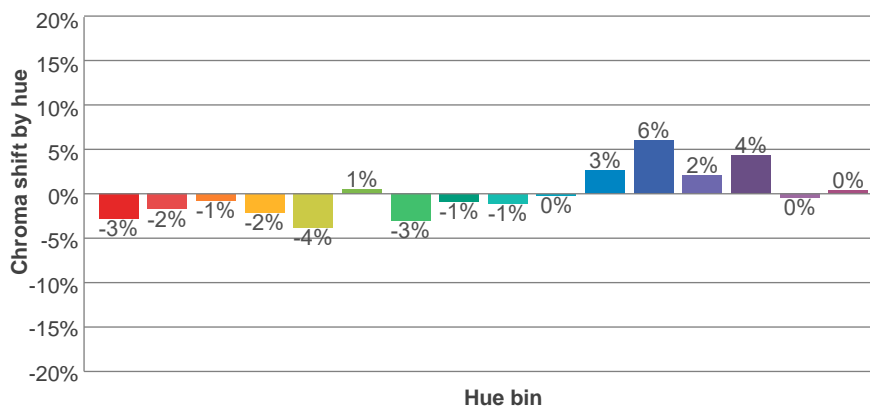
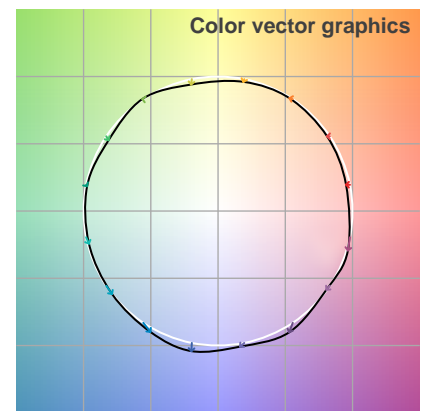
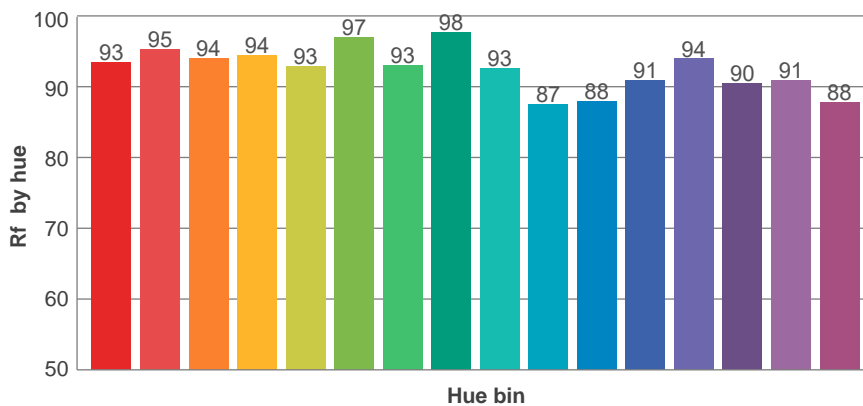
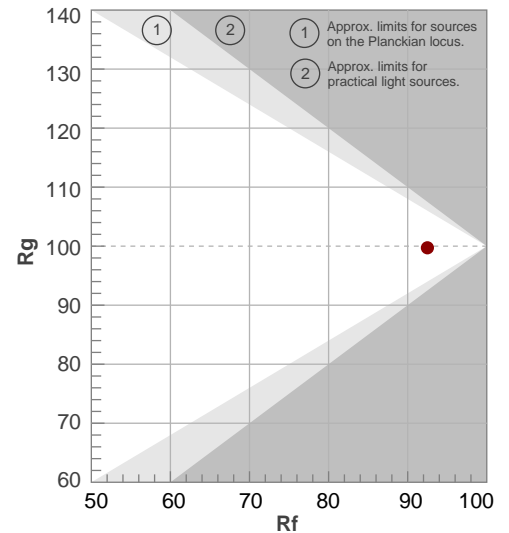
Rf 92.5

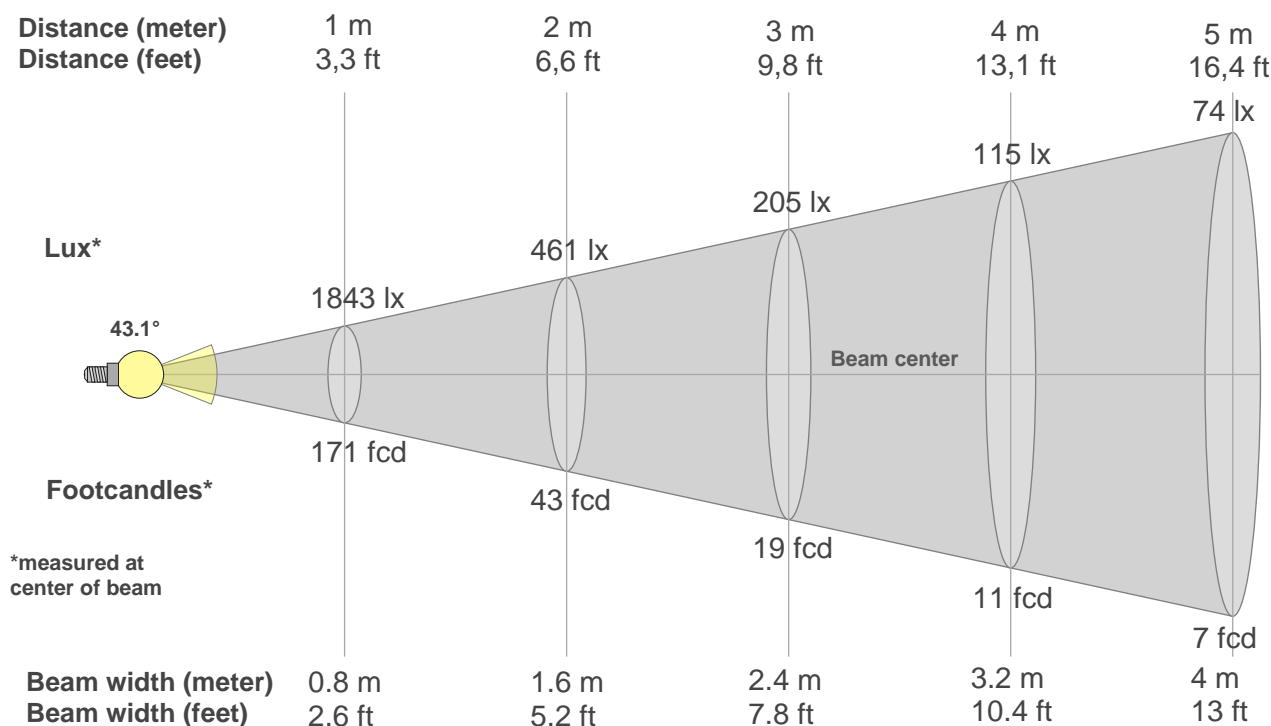
Fidelity index Rf

Rg 99.7

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	-3%	1%
2	95	-2%	1%
3	94	-1%	2%
4	94	-2%	0%
5	93	-4%	1%
6	97	1%	1%
7	93	-3%	1%
8	98	-1%	1%
9	93	-1%	5%
10	87	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
1843lx	461lx	205lx	115lx	74lx	51lx	38lx	29lx	23lx	18lx	15lx	13lx	11lx	9lx	8lx	7lx	6lx	6lx	5lx	5lx
171.3fcd	42.8fcd	19fcd	10.7fcd	6.9fcd	4.8fcd	3.5fcd	2.7fcd	2.1fcd	1.7fcd	1.4fcd	1.2fcd	1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	0.5fcd	0.5fcd	0.4fcd

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°
1843	1829	1797	1746	1676	1587	1487	1378	1262	1143	1023	907	796	693	597	510	436	369	311	260
100%	99%	98%	95%	91%	86%	81%	75%	68%	62%	55%	49%	43%	38%	32%	28%	24%	20%	17%	14%

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°
1843	1834	1800	1744	1671	1581	1480	1368	1249	1128	1007	890	777	673	578	494	418	351	295	246
100%	100%	98%	95%	91%	86%	80%	74%	68%	61%	55%	48%	42%	37%	31%	27%	23%	19%	16%	13%

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°
1843	1829	1797	1746	1676	1587	1487	1378	1262	1143	1023	907	796	693	597	510	436	369	311	260
100%	99%	98%	95%	91%	86%	81%	75%	68%	62%	55%	49%	43%	38%	32%	28%	24%	20%	17%	14%

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°
1843	1834	1800	1744	1671	1581	1480	1368	1249	1128	1007	890	777	673	578	494	418	351	295	246
100%	100%	98%	95%	91%	86%	80%	74%	68%	61%	55%	48%	42%	37%	31%	27%	23%	19%	16%	13%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
43.1°	82.7°	109.6°	97.9%	91.3%