

Light efficiency:

52 Lumen/Watt

Light quality:

CRI: 96.1

Color temperature:

3121 K

Output: 1326 lm

Peak: 1811 cd

Power: 25.6 W

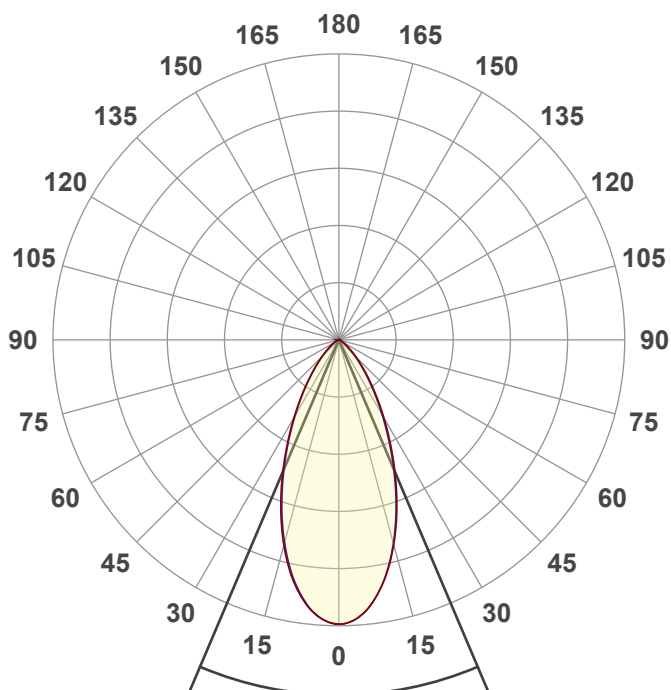
PF: 0.98



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

Date and time:

7/1/2022 11:02:26 AM



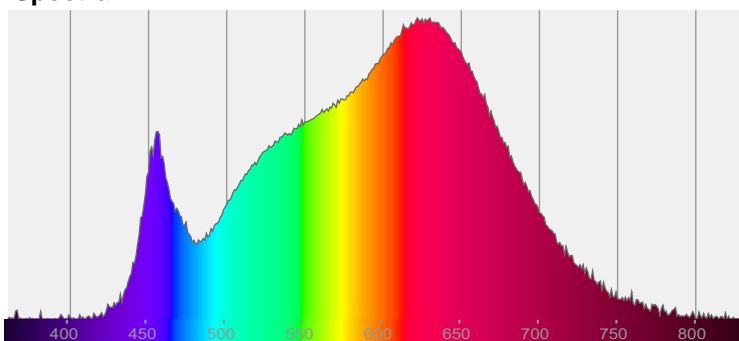
Beam angle

46°

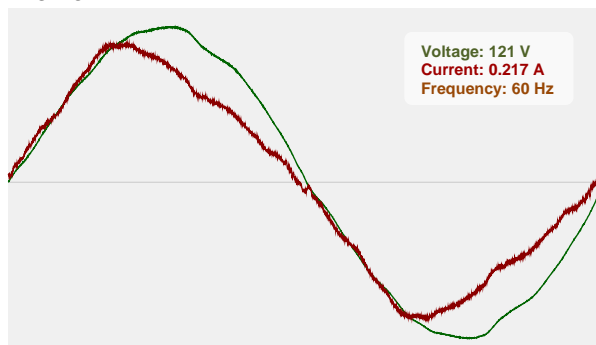


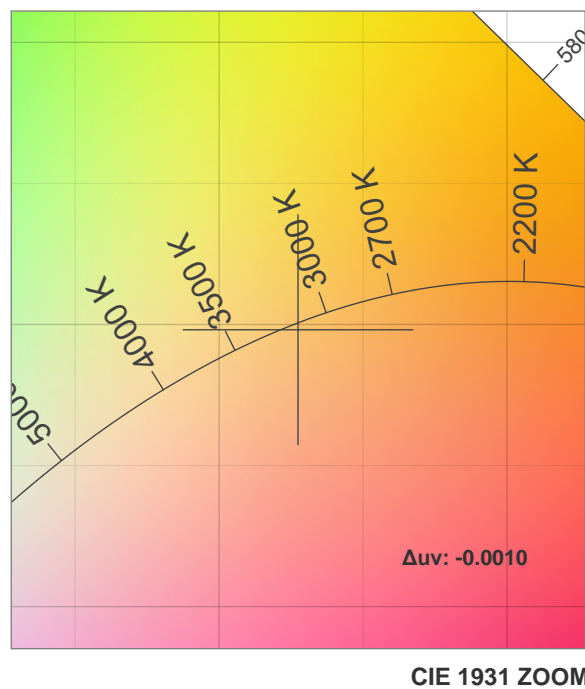
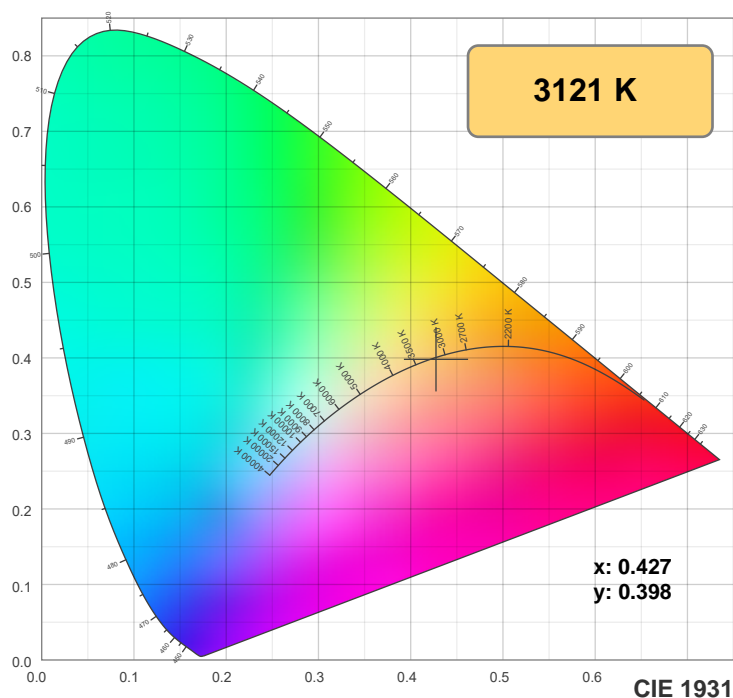
CIE 1931
x: 0.427
y: 0.398

Spectra

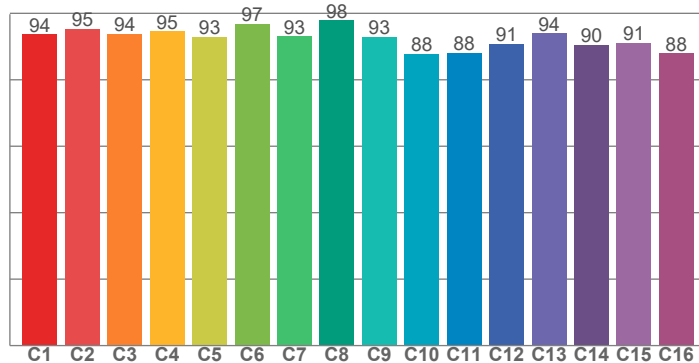


Power

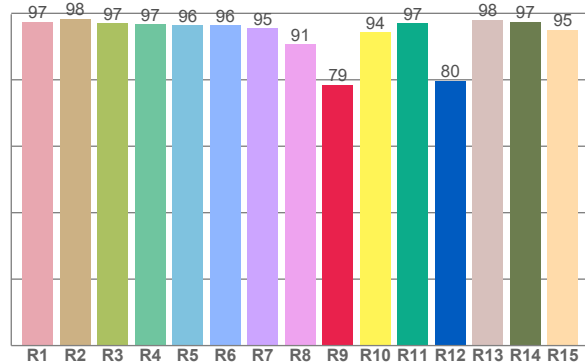




TM30: 92.6



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
97.4	98.4	97.0	96.8	96.4	96.5	95.5	90.7	78.6	94.3	97.1	79.7	98.1	97.4	95.1

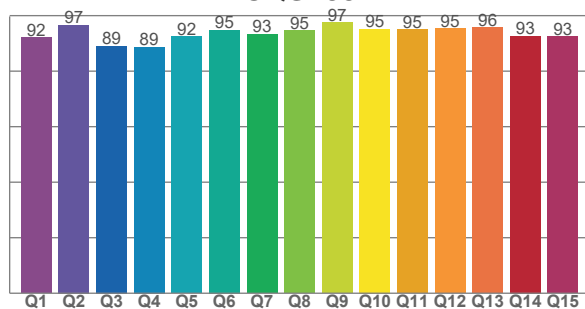
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93.6	95.3	93.9	94.6	92.9	96.8	93.1	97.8	92.9	87.8	88.1	90.9	93.9	90.5	91.1	87.9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92.1	96.7	89.0	88.6	92.4	94.8	93.3	94.6	97.5	95.1	95.0	95.4	95.6	92.6	92.5

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	78.6	92.6	100.0	93.1	0.427	0.398	0.247	0.345	-0.0010

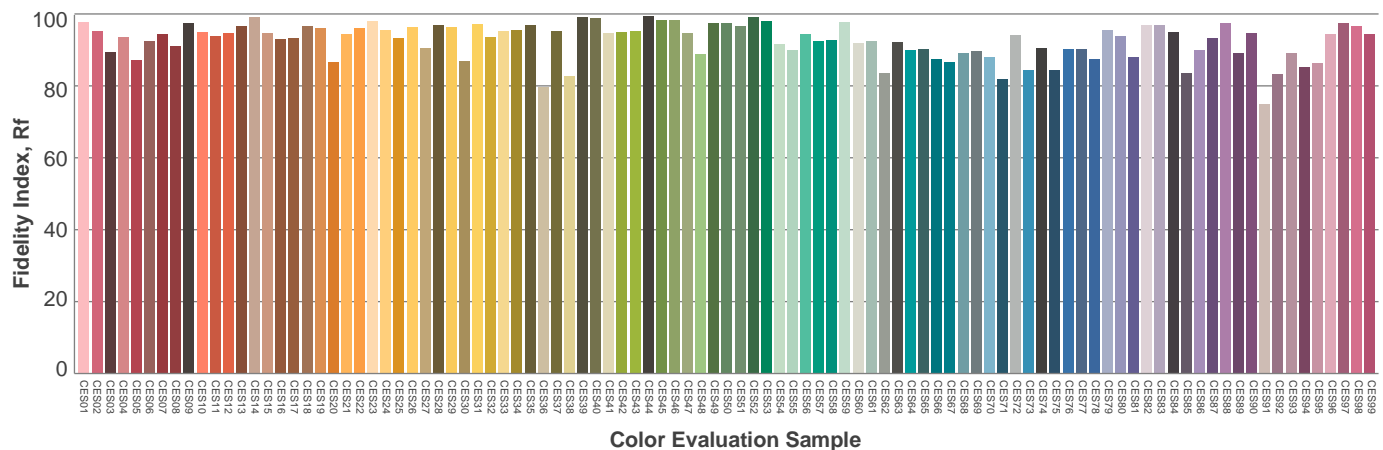
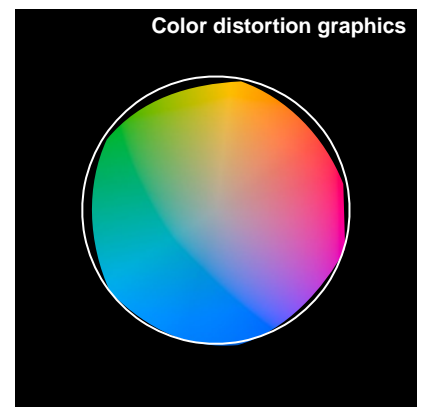
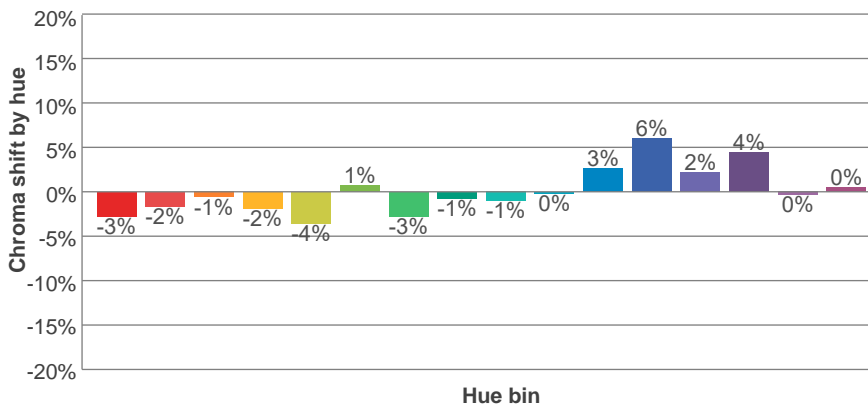
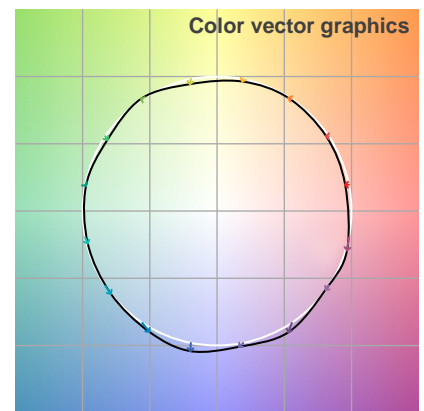
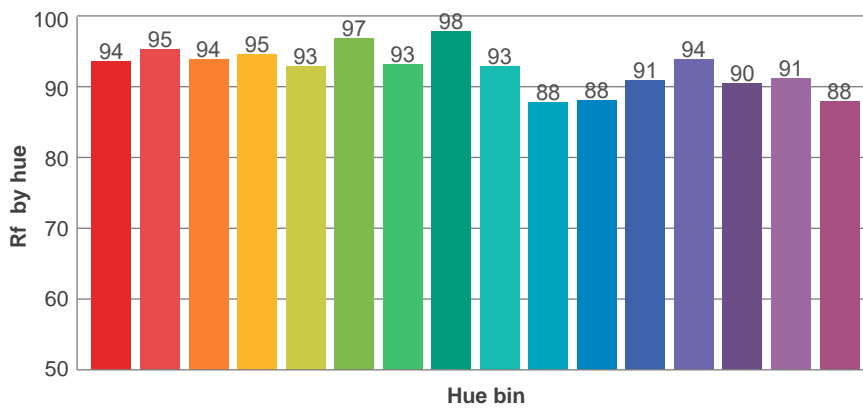
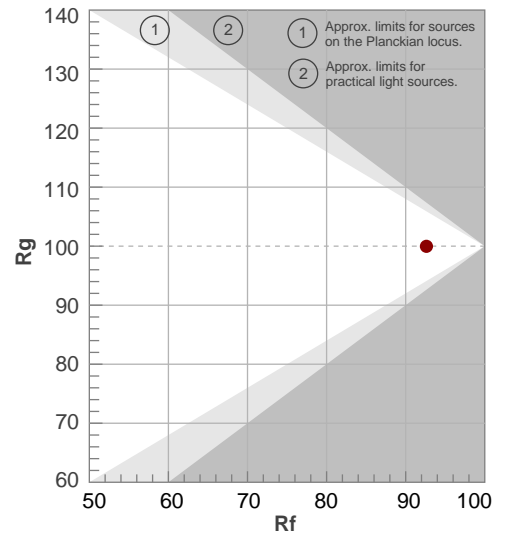
Rf 92.6

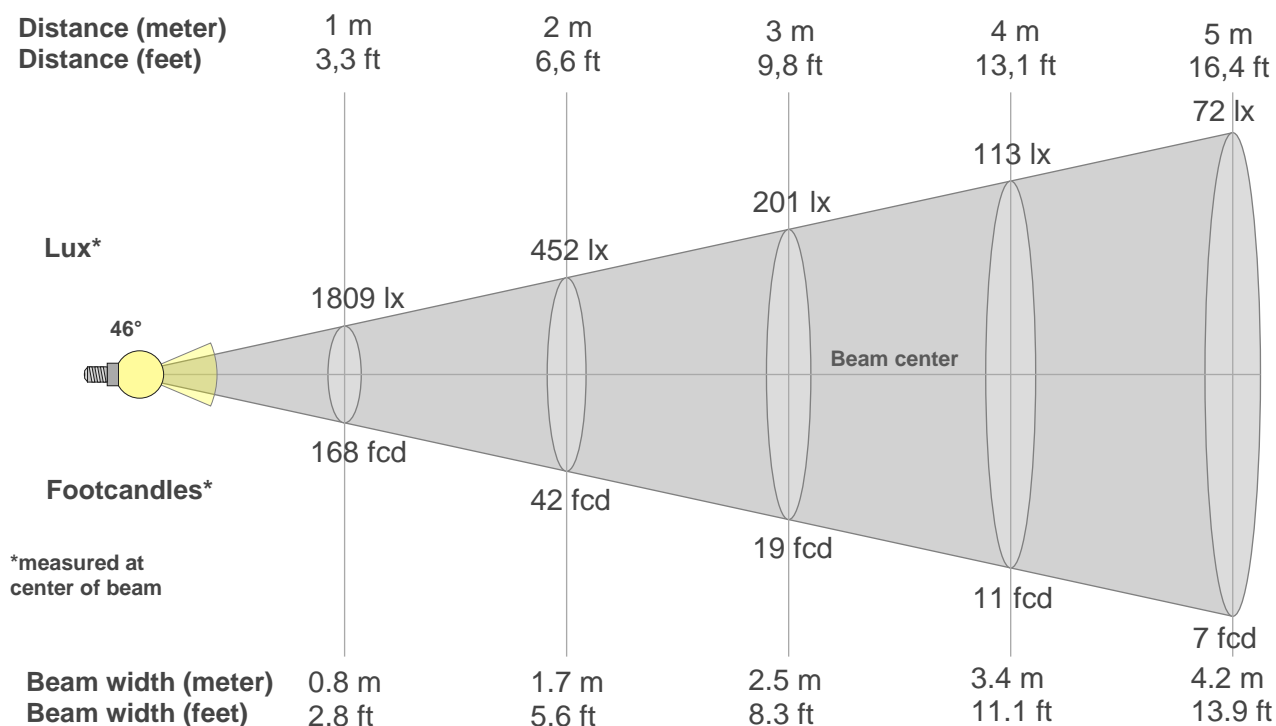
Fidelity index Rf

Rg 100.0

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
1809lx	452lx	201lx	113lx	72lx	50lx	37lx	28lx	22lx	18lx	15lx	13lx	11lx	9lx	8lx	7lx	6lx	6lx	5lx	5lx
168.1fcd	42fcd	18.7fcd	10.5fcd	6.7fcd	4.7fcd	3.4fcd	2.6fcd	2.1fcd	1.7fcd	1.4fcd	1.2fcd	1fcd	0.9fcd	0.7fcd	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°
1809	1799	1771	1725	1664	1587	1499	1402	1299	1191	1080	970	863	761	665	576	495	423	359	303
100%	99%	98%	95%	92%	88%	83%	78%	72%	66%	60%	54%	48%	42%	37%	32%	27%	23%	20%	17%

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°
1809	1800	1773	1728	1663	1584	1493	1394	1288	1176	1063	951	842	739	641	552	471	400	337	282
100%	99%	98%	96%	92%	88%	83%	77%	71%	65%	59%	53%	47%	41%	35%	31%	26%	22%	19%	16%

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°
1809	1800	1775	1728	1666	1591	1505	1407	1303	1193	1082	971	863	758	662	573	492	421	356	298
100%	99%	98%	96%	92%	88%	83%	78%	72%	66%	60%	54%	48%	42%	37%	32%	27%	23%	20%	16%

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°
1809	1800	1770	1725	1658	1580	1489	1389	1284	1173	1061	950	843	742	646	558	479	408	344	288
100%	99%	98%	95%	92%	87%	82%	77%	71%	65%	59%	53%	47%	41%	36%	31%	26%	23%	19%	16%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
46°	86.2°	112.1°	98.4%	91.2%