

Light efficiency:

46 Lumen/Watt

Light quality:

CRI: 96.2

Color temperature:

3031 K

Output: 539 lm

Peak: 1035 cd

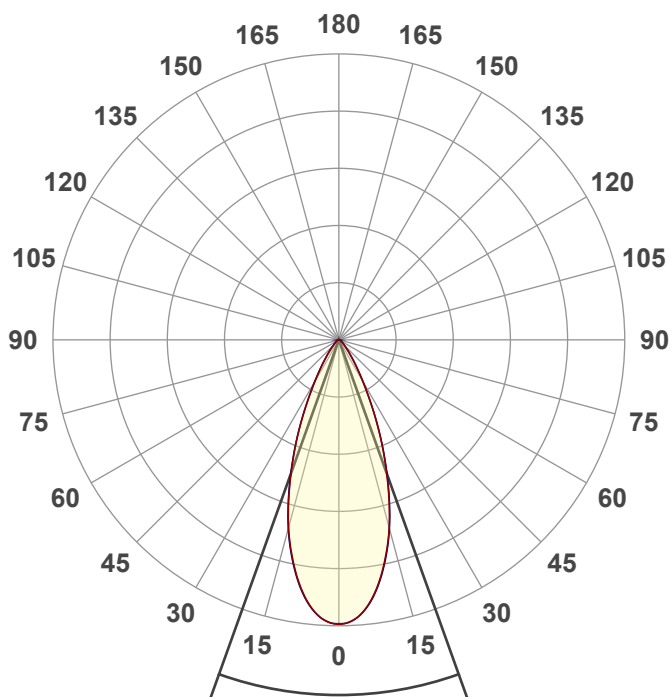
Power: 11.8 W

PF: 0.94



NU1-RA-WD-07LM-3018-97-40D-HETA-
NL-WH-WH

Date and time:
8/30/2024 1:54:45 PM



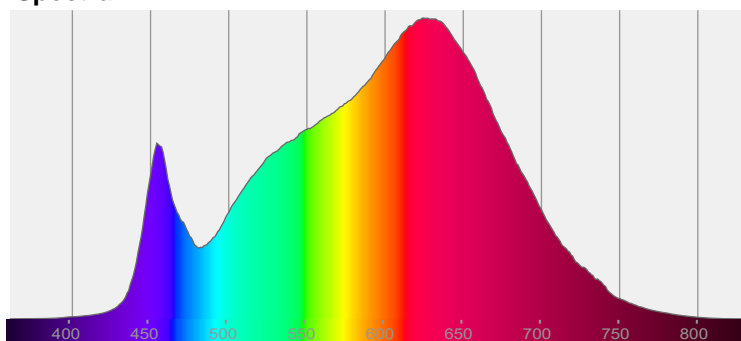
Beam angle

39.4°

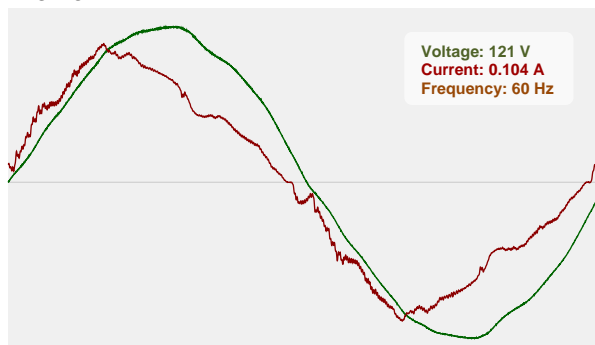


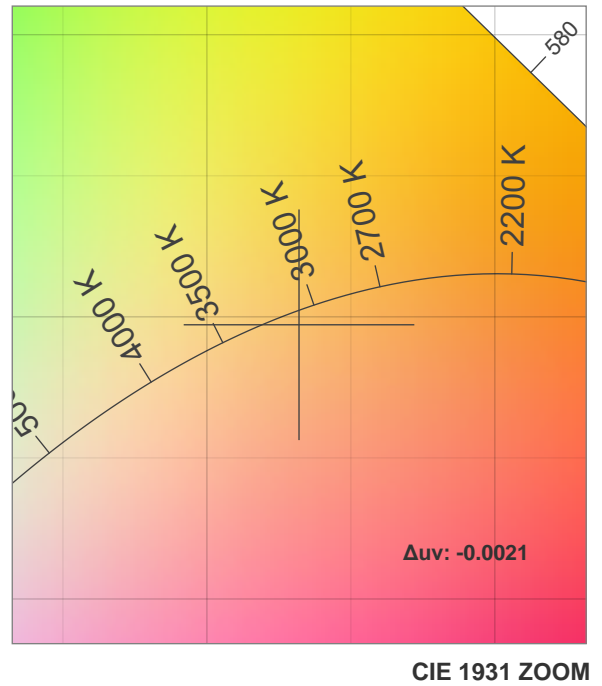
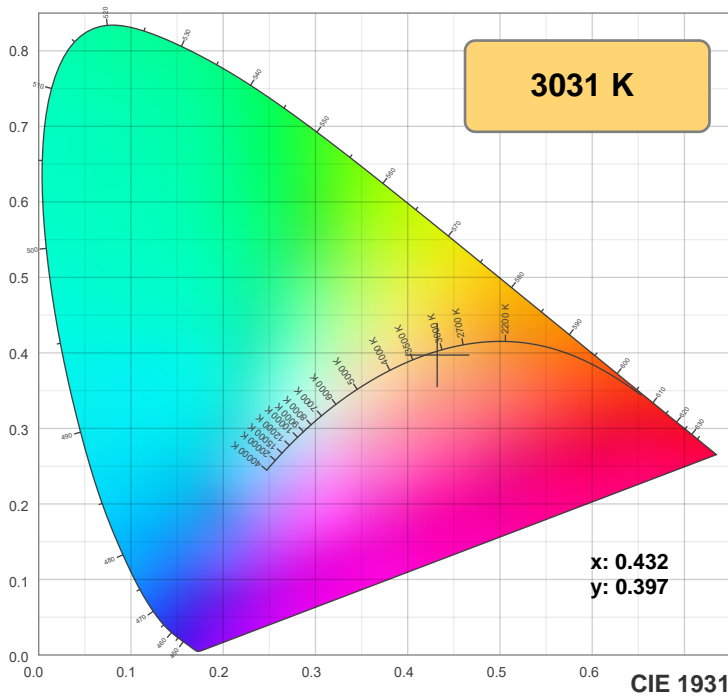
CIE 1931
x: 0.432
y: 0.397

Spectra

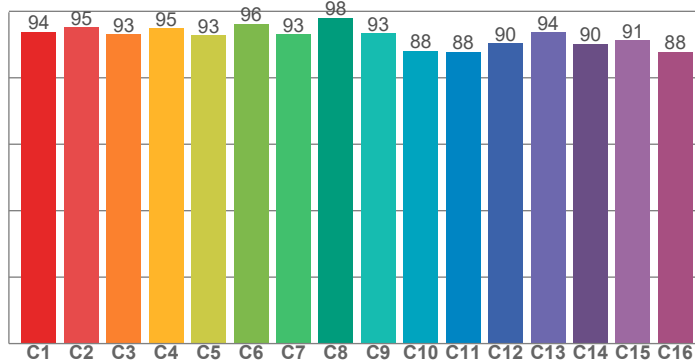


Power

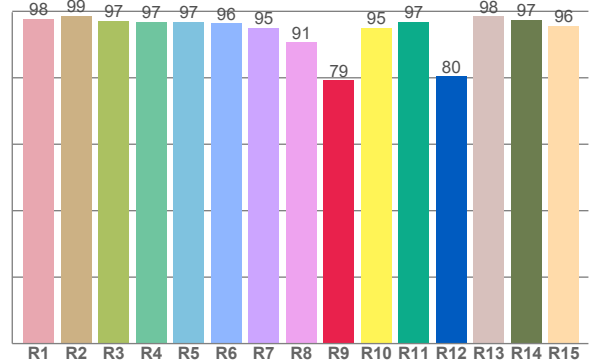




TM30: 92.5



CRI: 96.2 (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	98.7	97.2	96.8	96.9	96.4	95.0	90.6	79.2	95.1	96.9	80.5	98.5	97.5	95.6

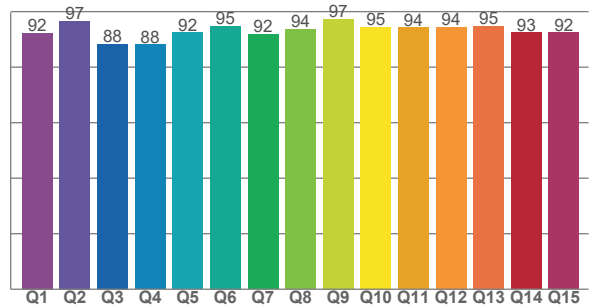
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93.8	95.1	93.1	94.8	92.8	96.2	93.0	98.1	93.4	88.1	87.7	90.3	93.6	90.2	91.2	87.7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92.3	96.6	88.3	88.2	92.5	94.8	91.8	93.6	97.4	94.5	94.2	94.4	94.8	92.5	92.5

CQS: 92.7



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
3031 K	96.2	79.2	92.5	100.5	92.7	0.432	0.397	0.250	0.345	-0.0021

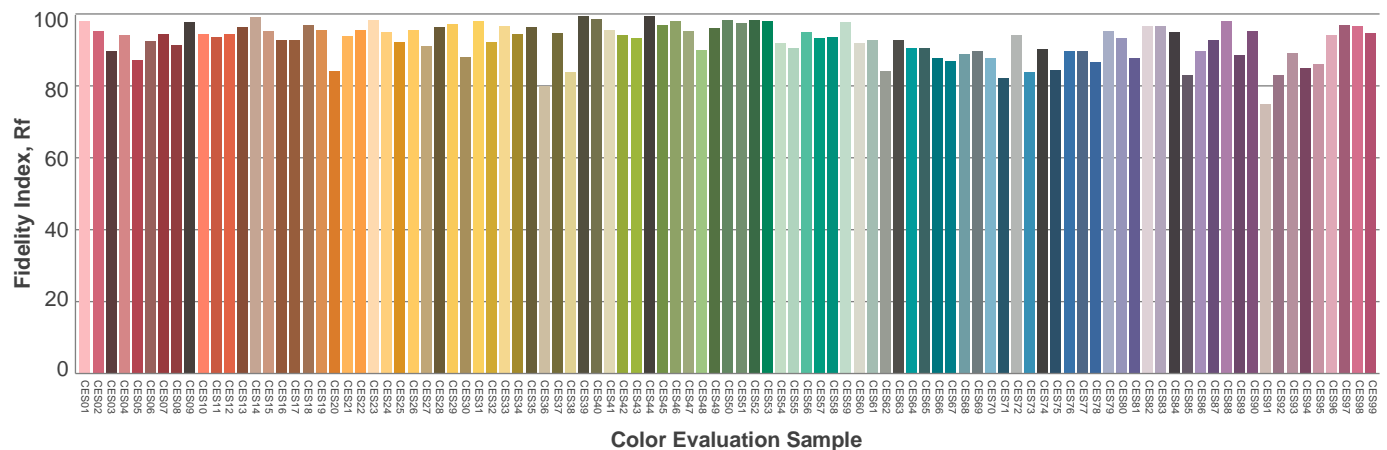
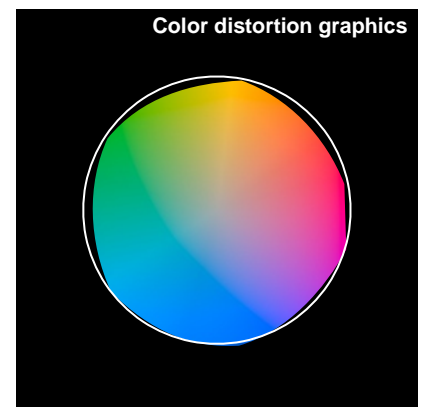
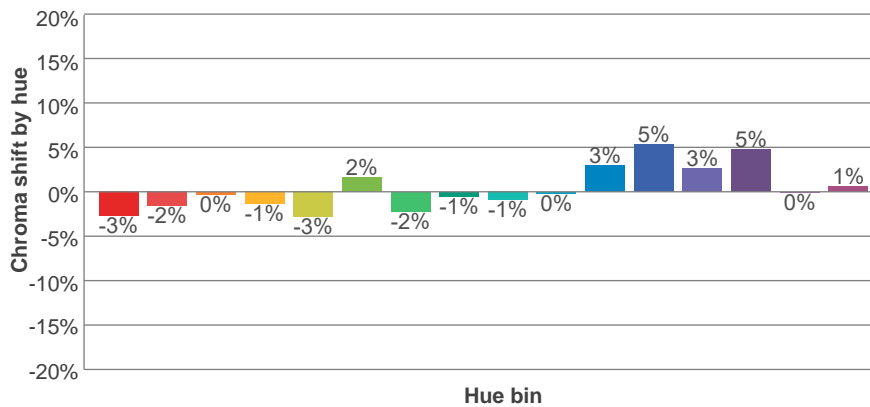
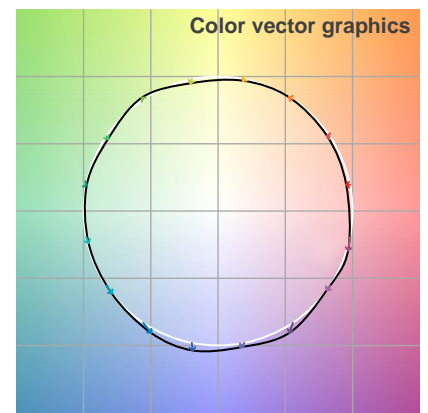
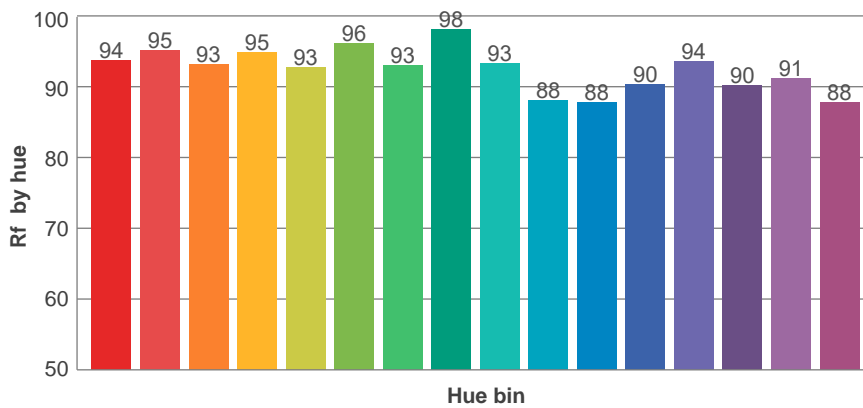
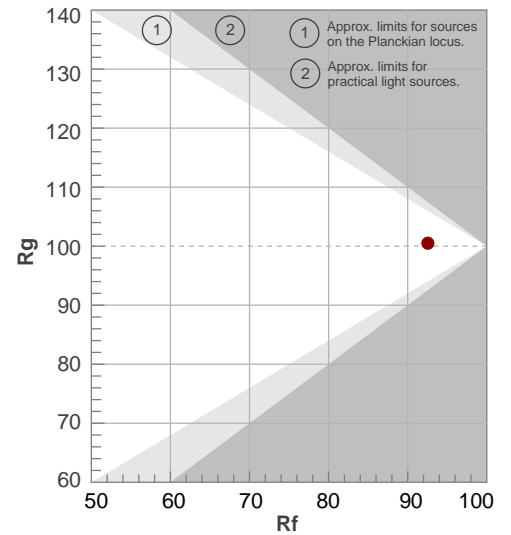
Rf 92.5

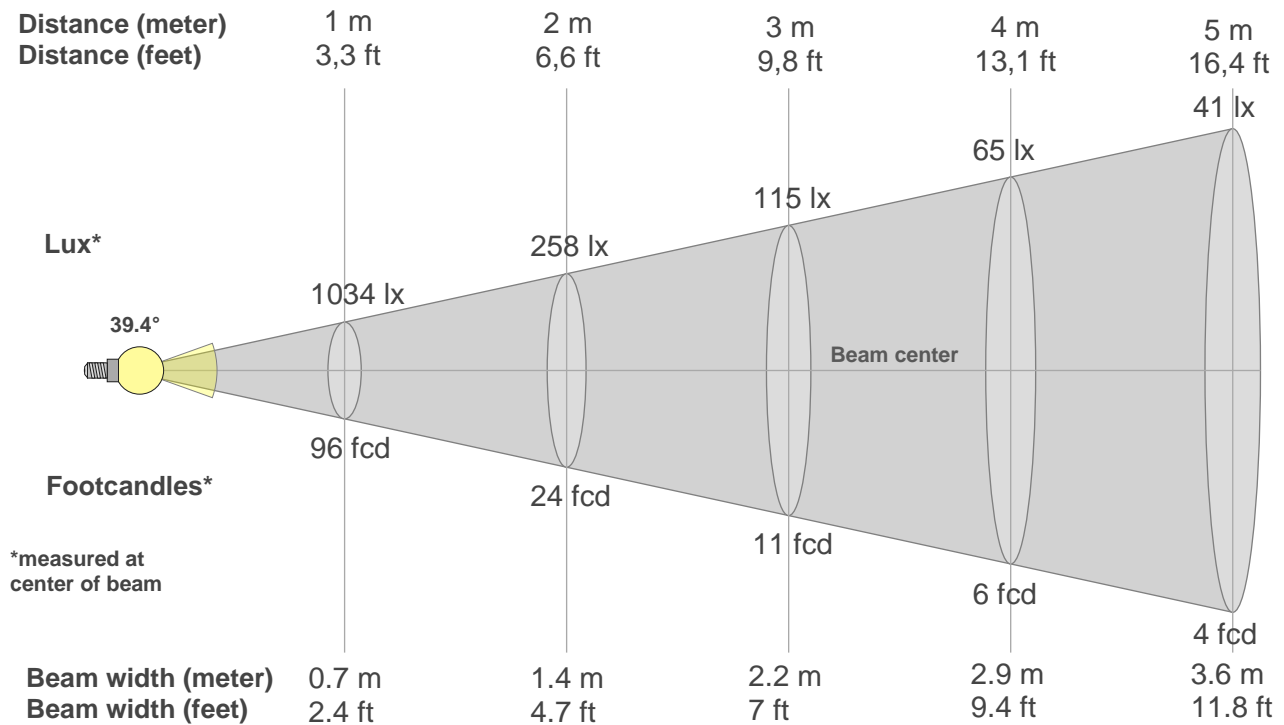
Fidelity index Rf

Rg 100.5

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	-3%	1%
2	95	-2%	1%
3	93	0%	3%
4	95	-1%	1%
5	93	-3%	2%
6	96	2%	0%
7	93	-2%	1%
8	98	-1%	0%
9	93	-1%	4%
10	88	0%	7%
11	88	3%	9%
12	90	5%	2%
13	94	3%	-4%
14	90	5%	-6%
15	91	0%	-4%
16	88	1%	-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
1034lx	258lx	115lx	65lx	41lx	29lx	21lx	16lx	13lx	10lx	9lx	7lx	6lx	5lx	5lx	4lx	4lx	3lx	3lx	3lx
96.1fcd	24fcd	10.7fcd	6fcd	3.8fcd	2.7fcd	2fcd	1.5fcd	1.2fcd	1fcd	0.8fcd	0.7fcd	0.6fcd	0.5fcd	0.4fcd	0.4fcd	0.3fcd	0.3fcd	0.3fcd	0.2fcd

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°
1034	1029	1010	976	931	875	812	744	668	586	505	427	354	285	224	176	137	106	82	63
100%	100%	98%	94%	90%	85%	79%	72%	65%	57%	49%	41%	34%	28%	22%	17%	13%	10%	8%	6%

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°
1034	1028	1010	978	934	879	816	748	671	590	508	430	353	283	223	174	136	107	83	65
100%	99%	98%	95%	90%	85%	79%	72%	65%	57%	49%	42%	34%	27%	22%	17%	13%	10%	8%	6%

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°
1034	1029	1010	976	931	875	812	744	668	586	505	427	354	285	224	176	137	106	82	63
100%	100%	98%	94%	90%	85%	79%	72%	65%	57%	49%	41%	34%	28%	22%	17%	13%	10%	8%	6%

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°
1034	1028	1010	978	934	879	816	748	671	590	508	430	353	283	223	174	136	107	83	65
100%	99%	98%	95%	90%	85%	79%	72%	65%	57%	49%	42%	34%	27%	22%	17%	13%	10%	8%	6%

Beam angle 50°	Field angle 10°	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
39.4°	68.3°	92.1°	97.4%	93.5%