

Light efficiency:

65 Lumen/Watt

Light quality:

CRI: 82.5

Color temperature:

3111 K

Output: 848 lm

Peak: 1431 cd

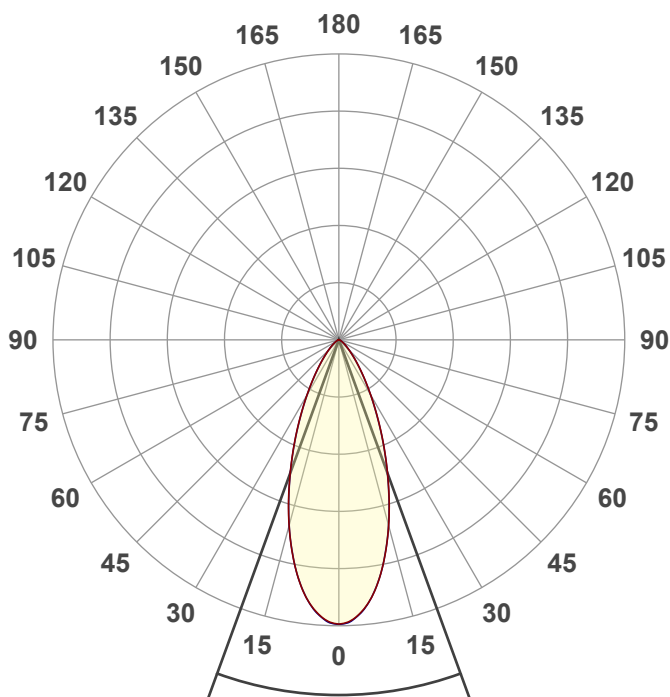
Power: 13.0 W

PF: 0.95



NU1-RA-SW-13LM-30K-80-30D-NA-DL-WH-WH

Date and time:
8/22/2024 3:26:31 PM



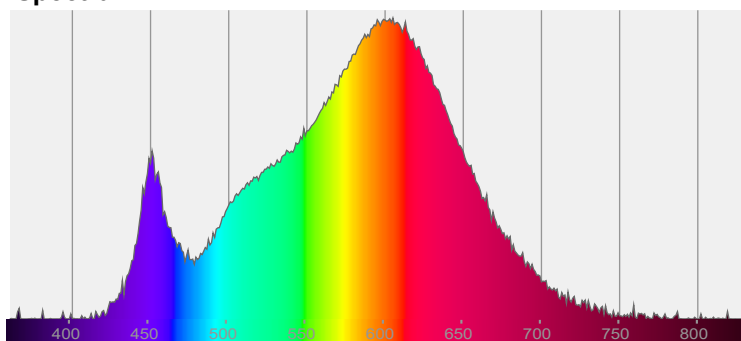
Beam angle

40.1°

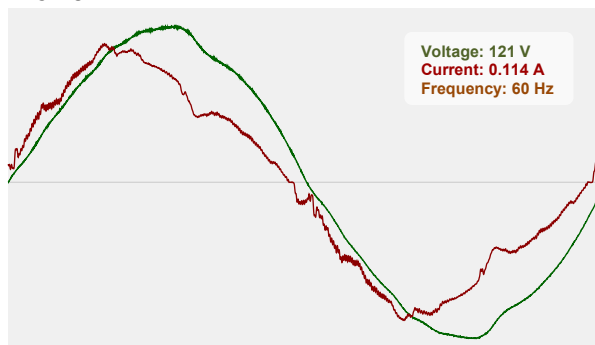


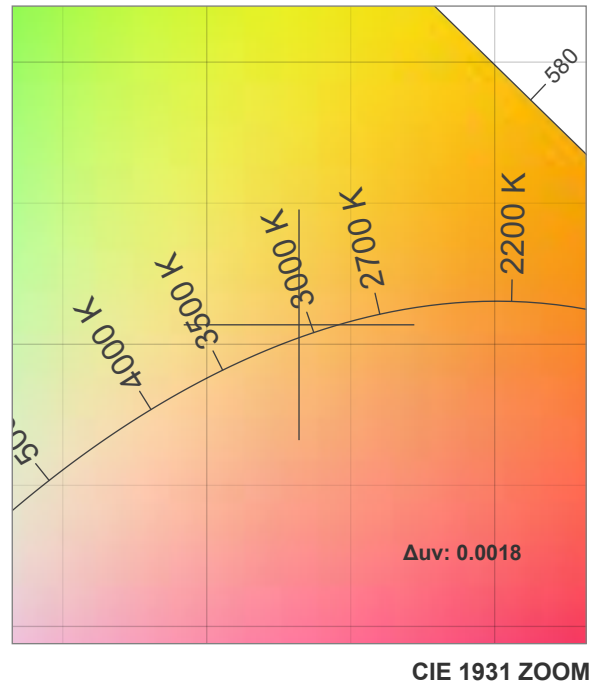
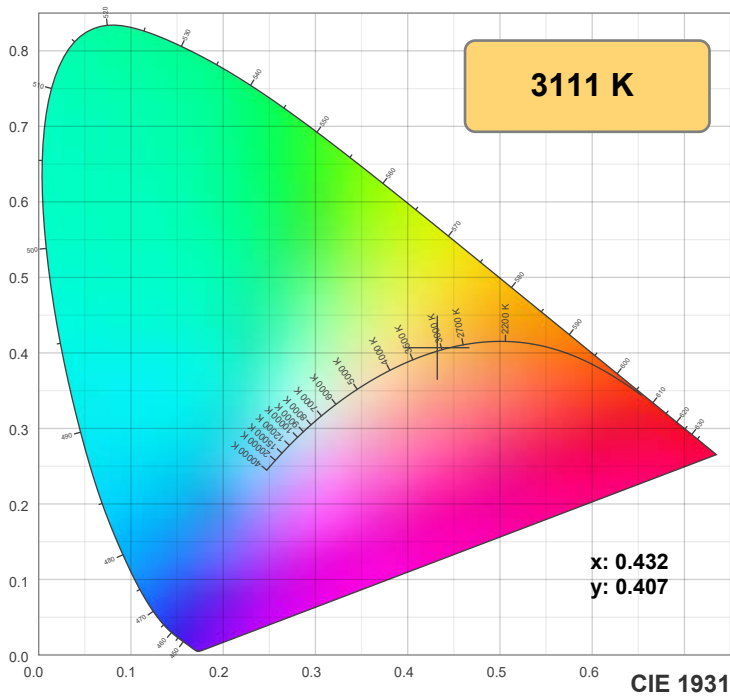
CIE 1931
x: 0.432
y: 0.407

Spectra

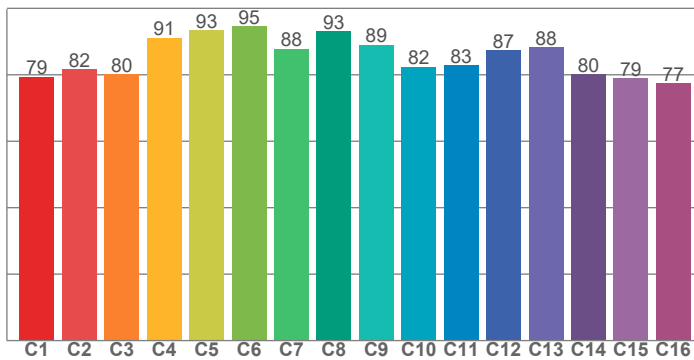


Power

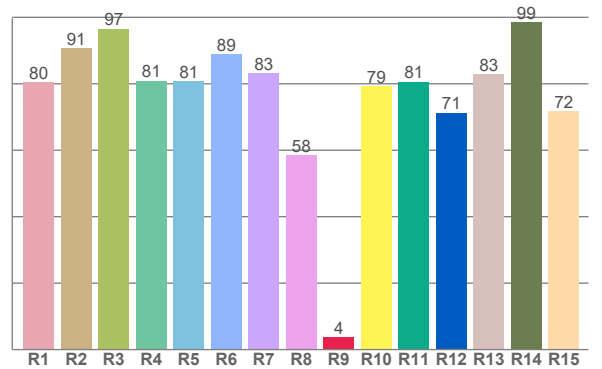




TM30: 85.5



CRI: 82.5 (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
80.4	90.6	96.6	80.9	80.8	89.0	83.1	58.5	3.7	79.2	80.6	71.3	82.8	98.6	71.7

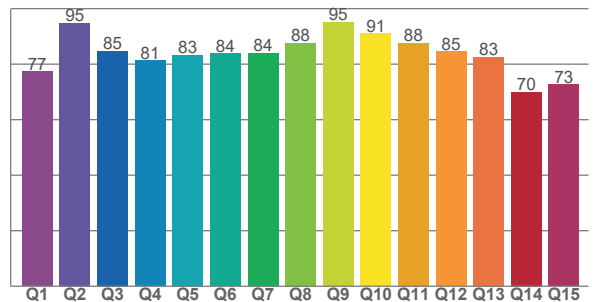
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
79.4	81.6	80.1	91.1	93.4	94.6	87.8	93.1	88.9	82.4	82.9	87.4	88.2	80.1	78.9	77.5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77.4	94.9	84.7	81.3	83.3	83.8	84.0	87.7	95.2	91.0	87.6	84.5	82.6	70.0	72.6

CQS: 82.5



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
3111 K	82.5	3.7	85.5	94.9	82.5	0.432	0.407	0.246	0.348	0.0018

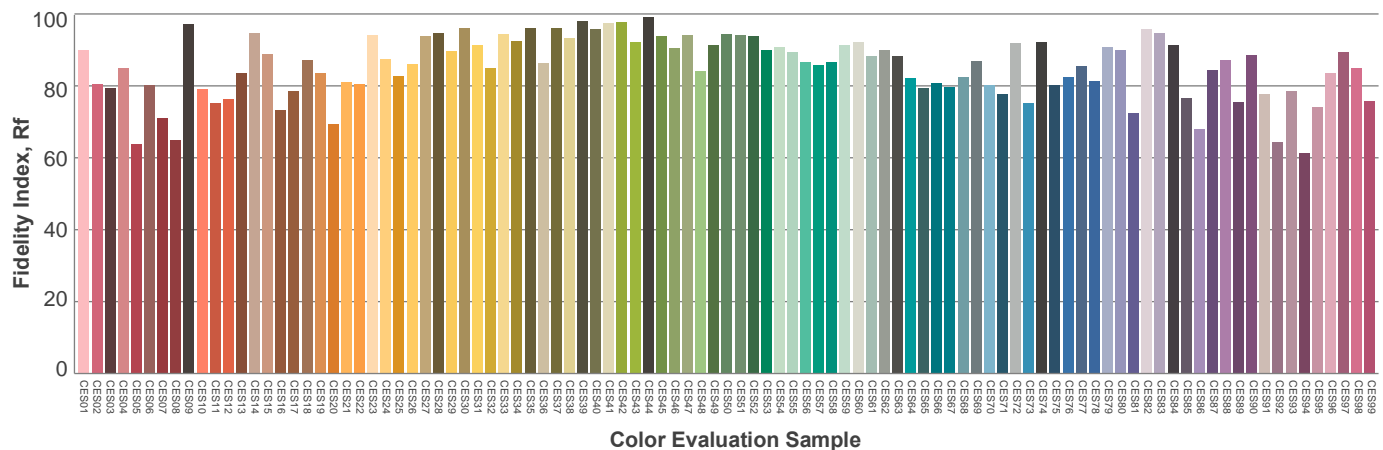
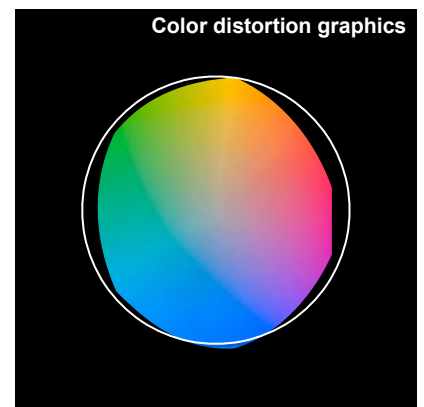
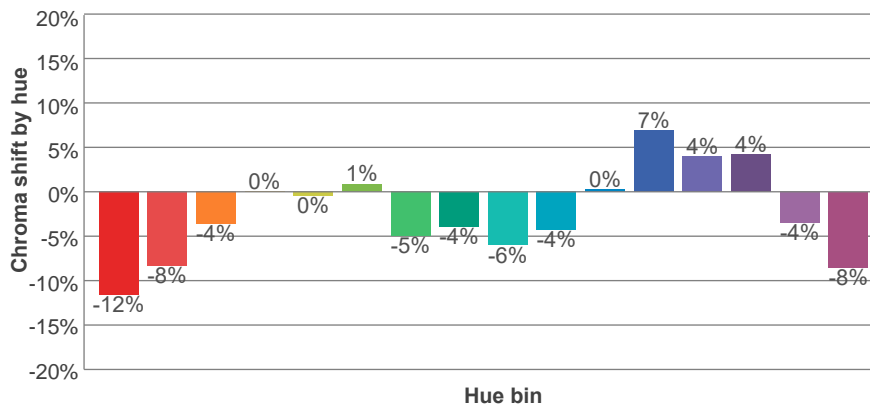
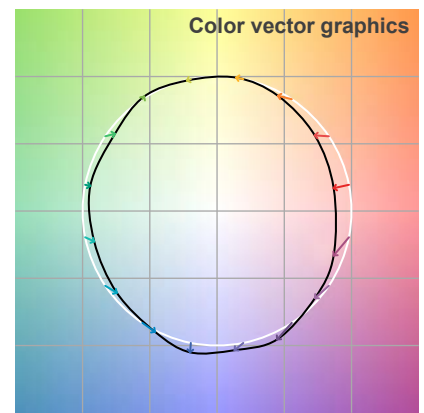
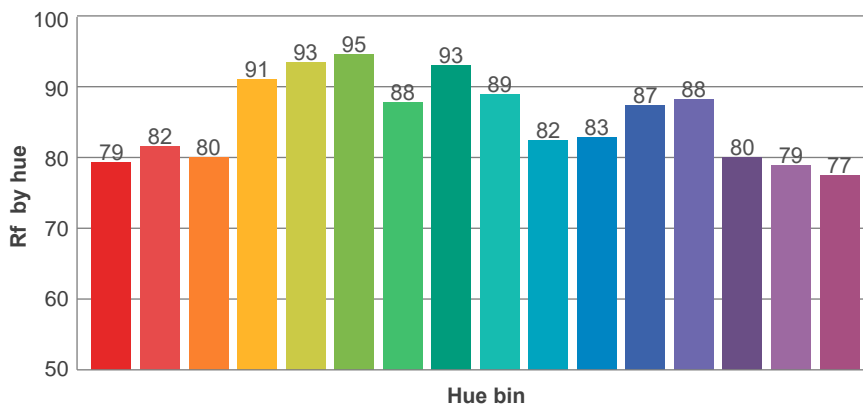
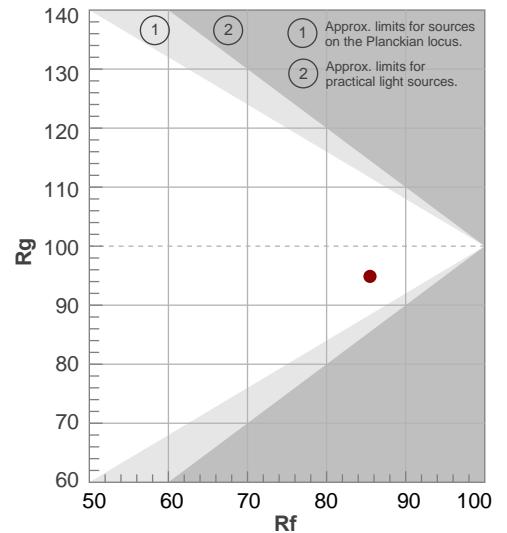
Rf 85.5

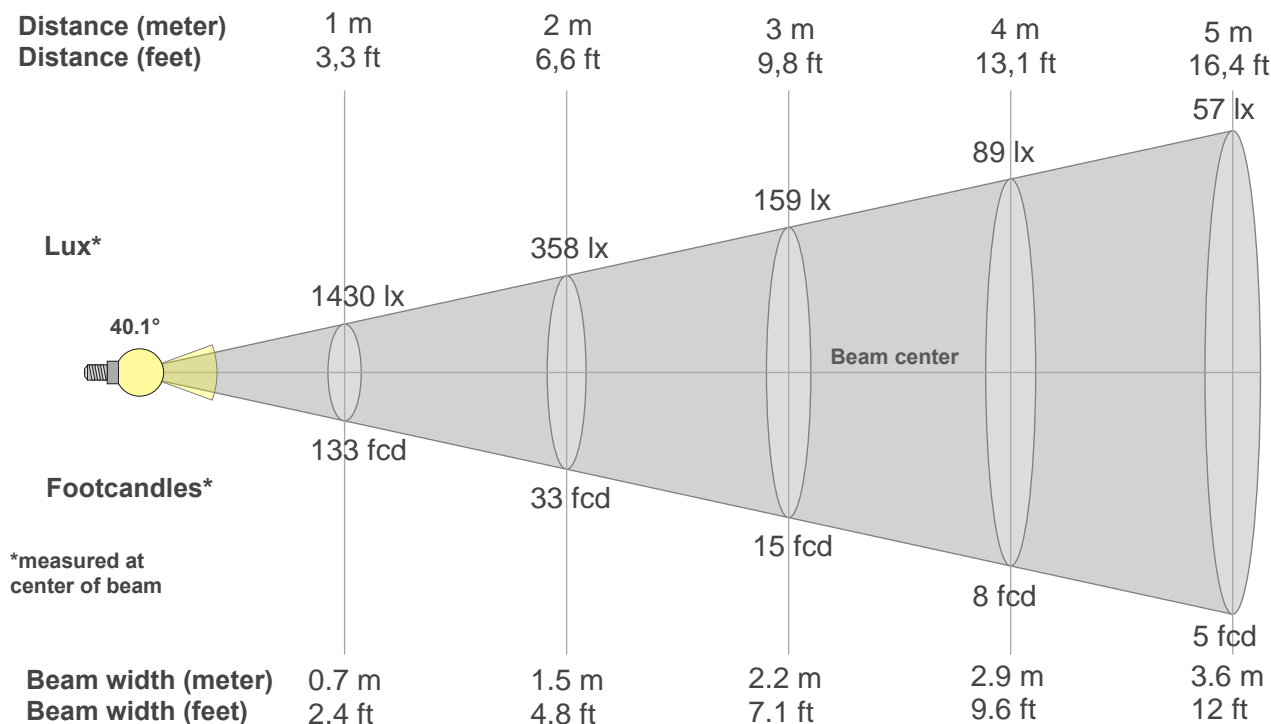
Fidelity index Rf

Rg 94.9

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	79	-12%	0%
2	82	-8%	6%
3	80	-4%	10%
4	91	0%	5%
5	93	0%	3%
6	95	1%	-2%
7	88	-5%	-6%
8	93	-4%	0%
9	89	-6%	4%
10	82	-4%	9%
11	83	0%	12%
12	87	7%	1%
13	88	4%	-7%
14	80	4%	-16%
15	79	-4%	-13%
16	77	-8%	-16%





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
1430lx	358lx	159lx	89lx	57lx	40lx	29lx	22lx	18lx	14lx	12lx	10lx	8lx	7lx	6lx	6lx	5lx	4lx	4lx	4lx
132.9fcd	33.2fcd	14.8fcd	8.3fcd	5.3fcd	3.7fcd	2.7fcd	2.1fcd	1.6fcd	1.3fcd	1.1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	0.5fcd	0.5fcd	0.4fcd	0.4fcd	0.3fcd

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°
1430	1419	1388	1343	1280	1202	1113	1017	918	816	717	623	536	456	384	322	267	222	182	150
100%	99%	97%	94%	90%	84%	78%	71%	64%	57%	50%	44%	38%	32%	27%	22%	19%	16%	13%	10%

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°
1430	1423	1391	1343	1279	1201	1111	1016	915	813	714	620	533	452	380	318	264	218	179	147
100%	99%	97%	94%	89%	84%	78%	71%	64%	57%	50%	43%	37%	32%	27%	22%	18%	15%	13%	10%

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°
1430	1419	1388	1343	1280	1202	1113	1017	918	816	717	623	536	456	384	322	267	222	182	150
100%	99%	97%	94%	90%	84%	78%	71%	64%	57%	50%	44%	38%	32%	27%	22%	19%	16%	13%	10%

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°
1430	1423	1391	1343	1279	1201	1111	1016	915	813	714	620	533	452	380	318	264	218	179	147
100%	99%	97%	94%	89%	84%	78%	71%	64%	57%	50%	43%	37%	32%	27%	22%	18%	15%	13%	10%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
40.1°	76.8°	105.2°	97.9%	92.1%