

Light efficiency:

82 Lumen/Watt

Light quality:

CRI: 82.6

Color temperature:

3085 K

Output: 1067 lm

Peak: 2238 cd

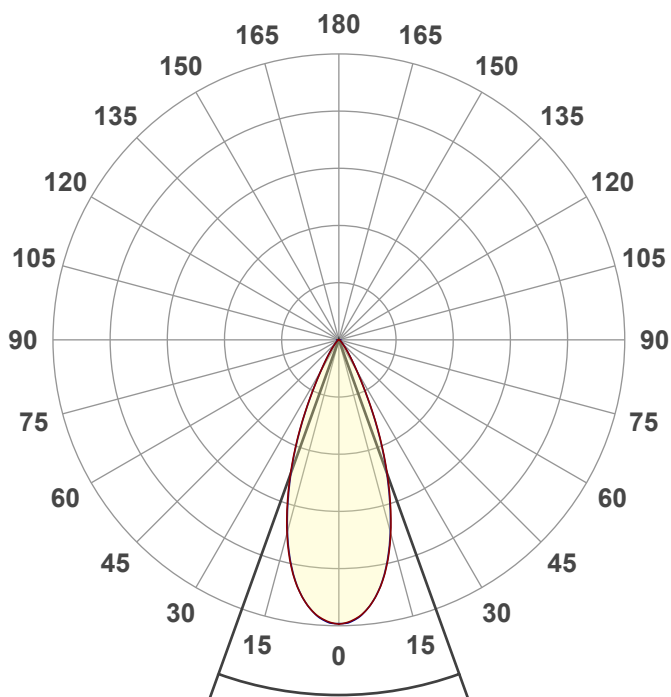
Power: 13.0 W

PF: 0.95



NU1-RA-SW-13LM-30K-80-40D-NA-NL-WH-WH

Date and time:
8/19/2024 10:35:57 AM



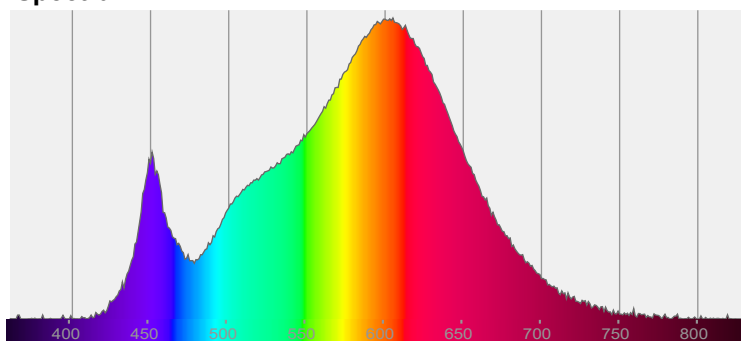
Beam angle

39.6°

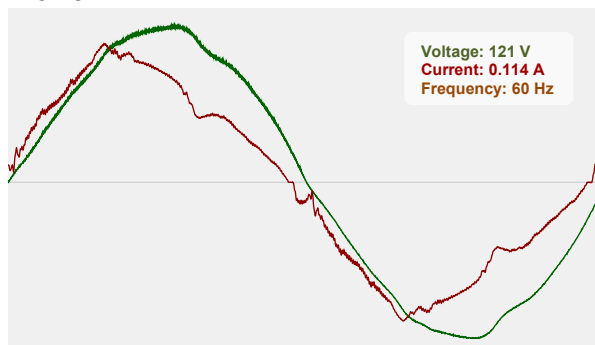


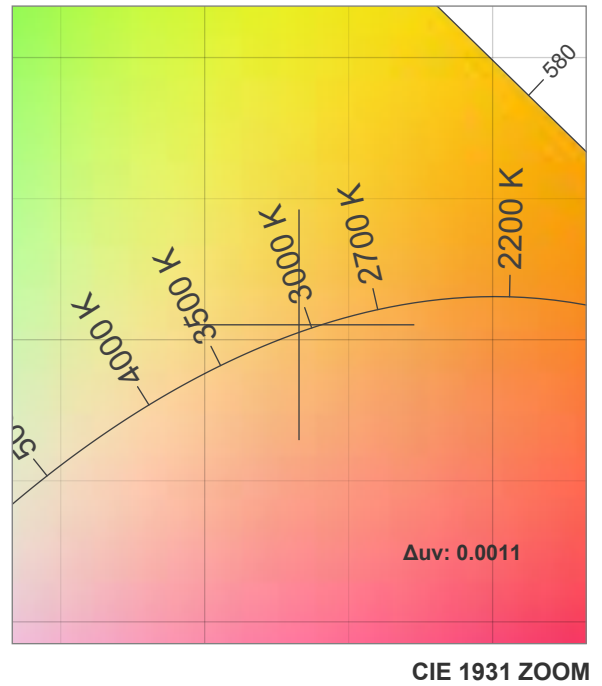
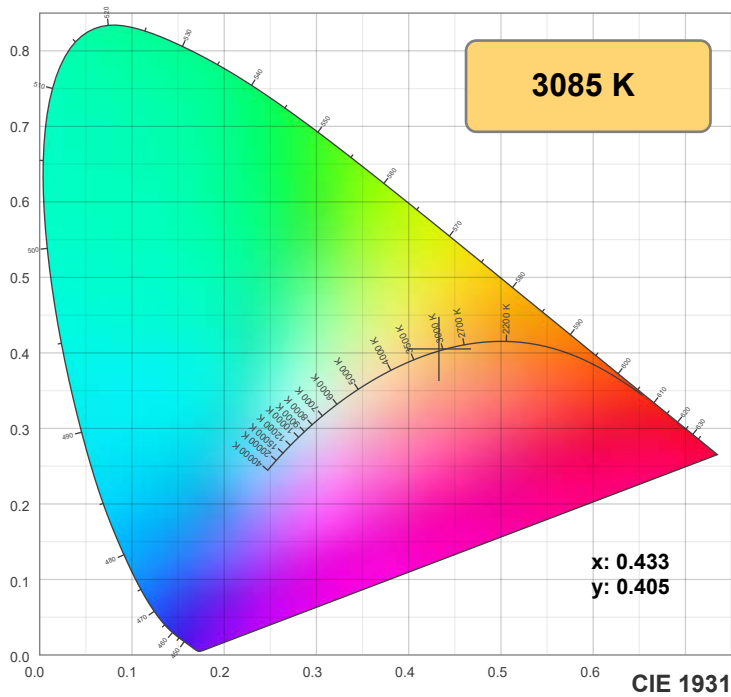
CIE 1931
x: 0.433
y: 0.405

Spectra

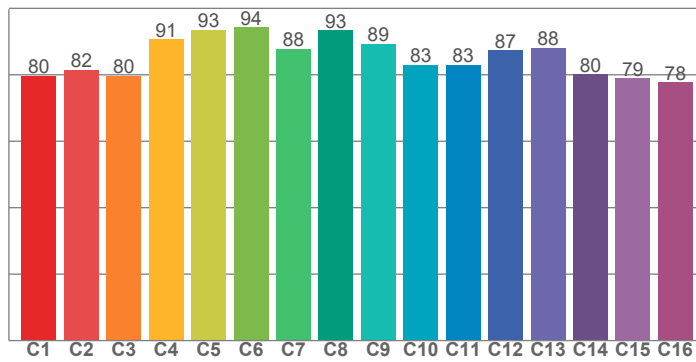


Power

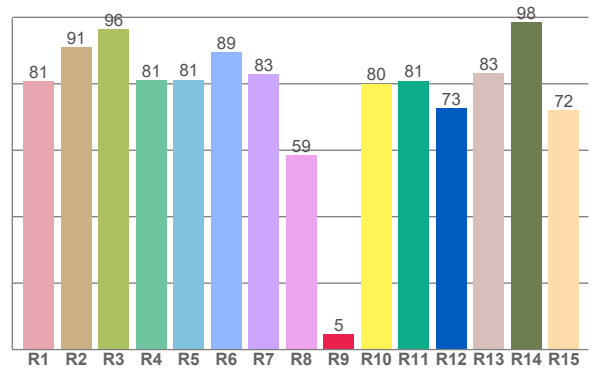




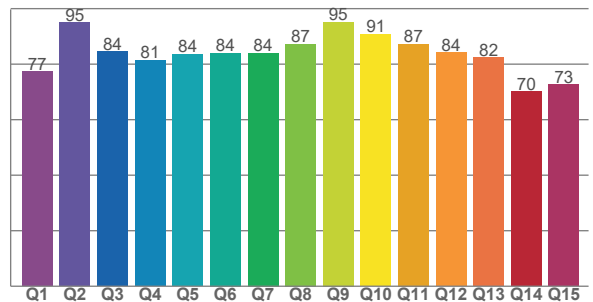
TM30: 85.5



CRI: 82.6 (R1-R8)



CQS: 82.5



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
80.8	91.0	96.3	81.1	81.2	89.4	82.8	58.5	4.6	80.0	80.9	72.7	83.2	98.5	72.1

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
79.6	81.5	79.6	90.6	93.5	94.2	87.7	93.3	89.4	83.0	83.1	87.3	88.1	80.2	79.0	77.8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77.4	95.0	84.5	81.4	83.6	84.0	84.1	87.3	95.1	90.7	87.3	84.2	82.4	70.2	72.7

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
3085 K	82.6	4.6	85.5	95.3	82.5	0.433	0.405	0.247	0.347	0.0011

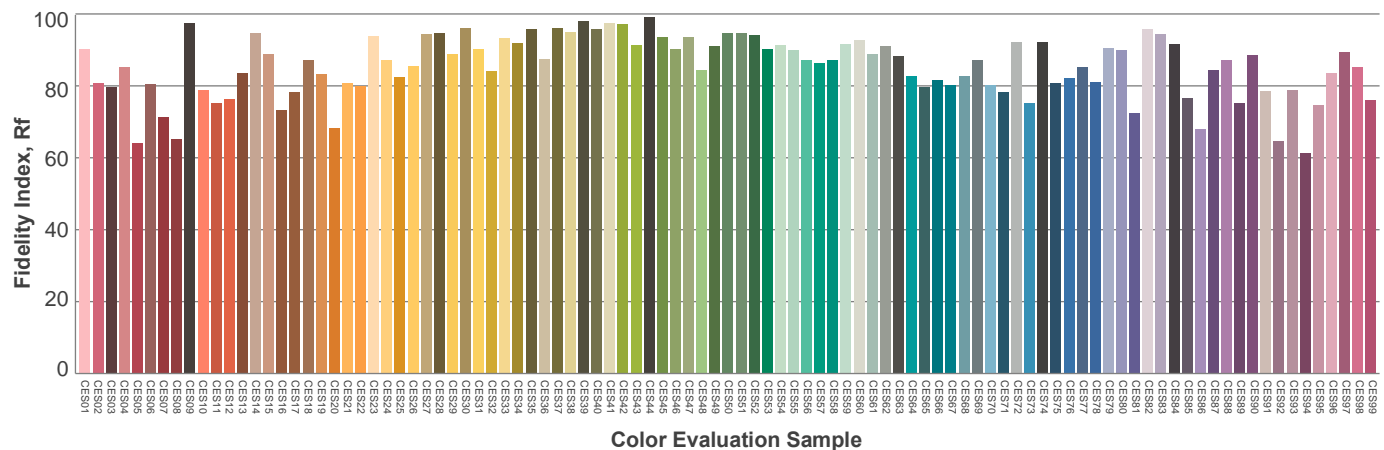
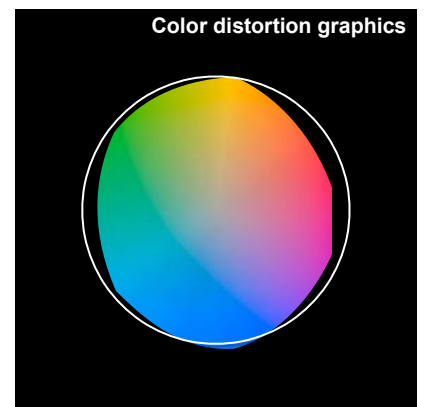
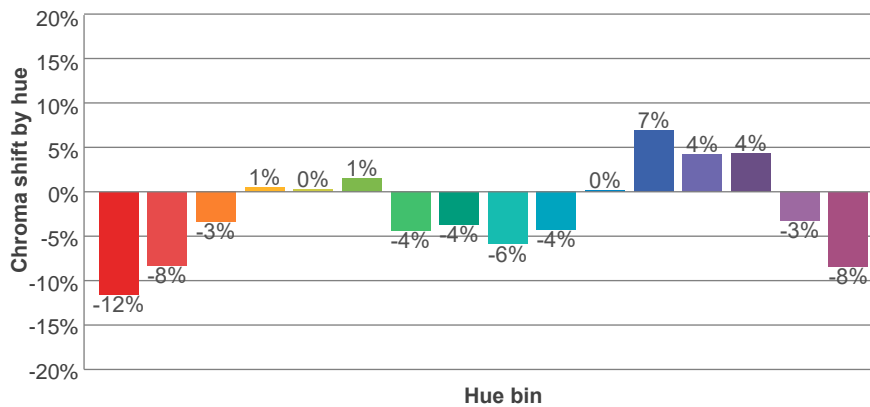
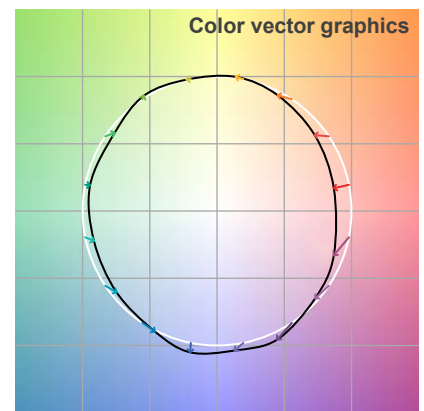
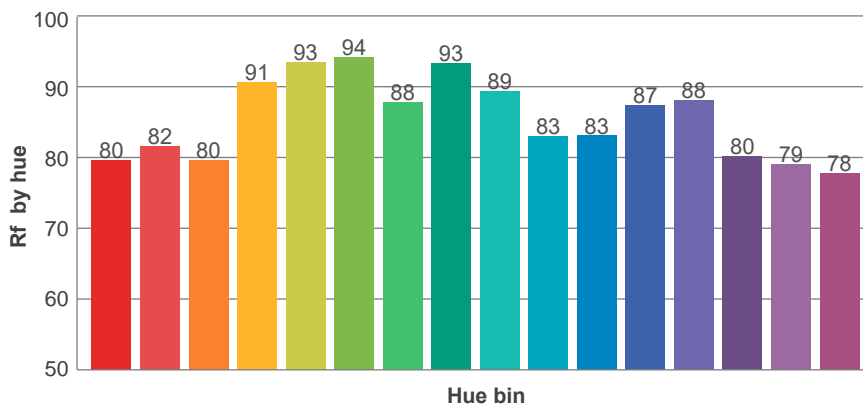
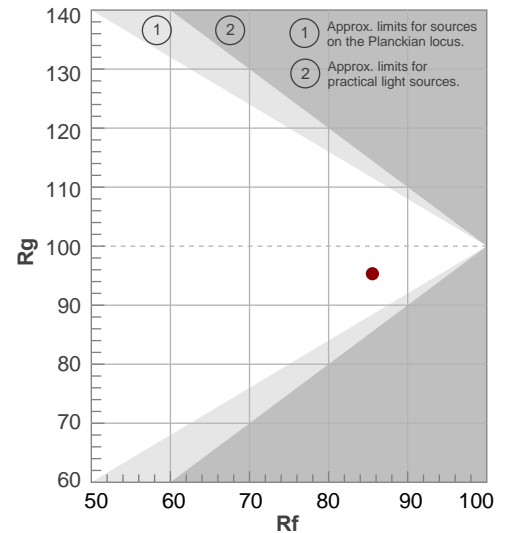
Rf 85.5

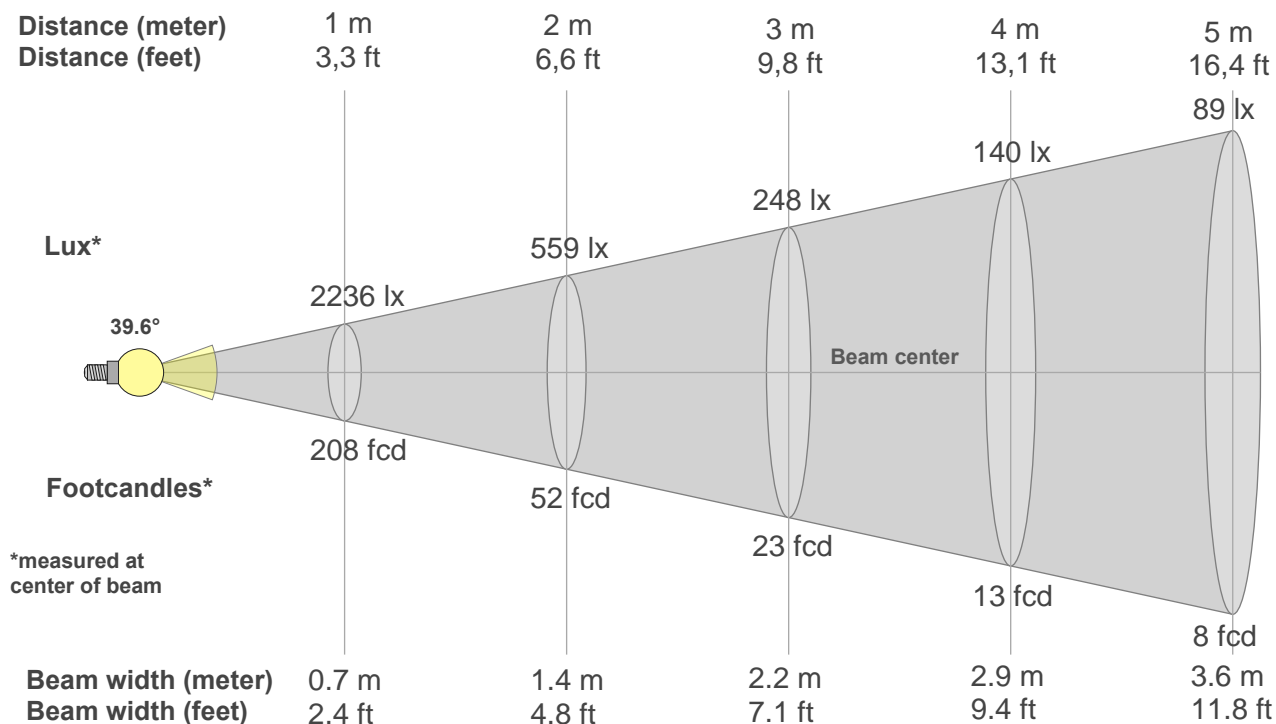
Fidelity index Rf

Rg 95.3

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	80	-12%	0%
2	82	-8%	7%
3	80	-3%	10%
4	91	1%	6%
5	93	0%	3%
6	94	1%	-2%
7	88	-4%	-6%
8	93	-4%	0%
9	89	-6%	4%
10	83	-4%	9%
11	83	0%	11%
12	87	7%	1%
13	88	4%	-7%
14	80	4%	-16%
15	79	-3%	-13%
16	78	-8%	-15%





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
2236lx	559lx	248lx	140lx	89lx	62lx	46lx	35lx	28lx	22lx	18lx	16lx	13lx	11lx	10lx	9lx	8lx	7lx	6lx	6lx
207.7fcd	51.9fcd	23.1fcd	13fcd	8.3fcd	5.8fcd	4.2fcd	3.2fcd	2.6fcd	2.1fcd	1.7fcd	1.4fcd	1.2fcd	1.1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	0.6fcd	0.5fcd

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°
2236	2220	2186	2131	2048	1944	1814	1660	1486	1299	1106	911	722	544	395	290	213	159	120	91
100%	99%	98%	95%	92%	87%	81%	74%	66%	58%	49%	41%	32%	24%	18%	13%	10%	7%	5%	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°
2236	2224	2190	2130	2046	1940	1805	1648	1473	1283	1091	898	708	531	390	284	208	157	119	90
100%	99%	98%	95%	92%	87%	81%	74%	66%	57%	49%	40%	32%	24%	17%	13%	9%	7%	5%	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°
2236	2220	2186	2131	2048	1944	1814	1660	1486	1299	1106	911	722	544	395	290	213	159	120	91
100%	99%	98%	95%	92%	87%	81%	74%	66%	58%	49%	41%	32%	24%	18%	13%	10%	7%	5%	4%

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°
2236	2224	2190	2130	2046	1940	1805	1648	1473	1283	1091	898	708	531	390	284	208	157	119	90
100%	99%	98%	95%	92%	87%	81%	74%	66%	57%	49%	40%	32%	24%	17%	13%	9%	7%	5%	4%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
39.6°	63.3°	82.9°	98.6%	96.1%