

Light efficiency:

105 Lumen/Watt

Light quality:

CRI: 82.5

Color temperature:

2959 K

Output: 3791 lm

Peak: 4748 cd

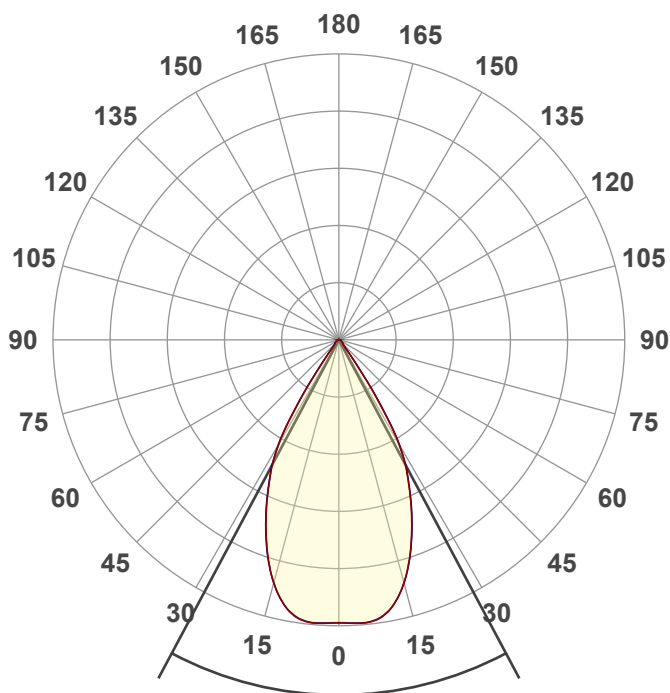
Power: 36.2 W

PF: 0.98



NU4-SD-SW-40LM-30K-80-55D-NA-CL-WH-WH

Date and time:
12/4/2024 4:04:47 PM



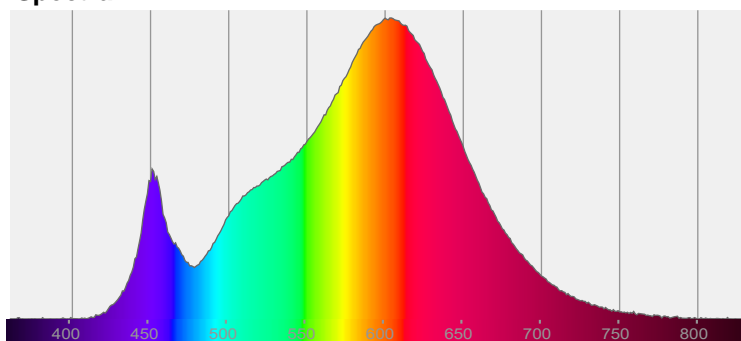
Beam angle

56.1°

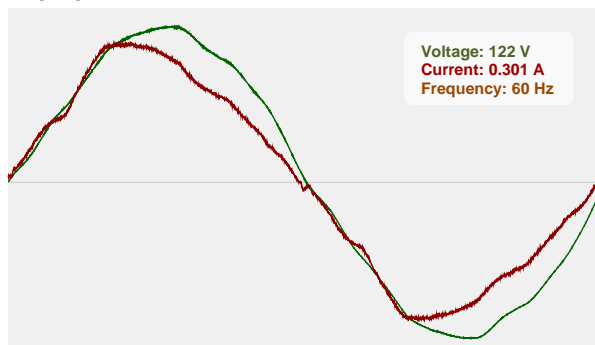


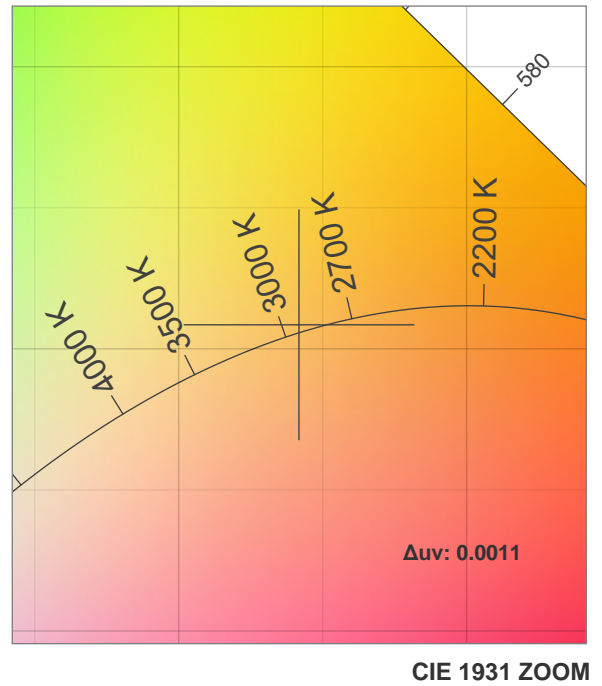
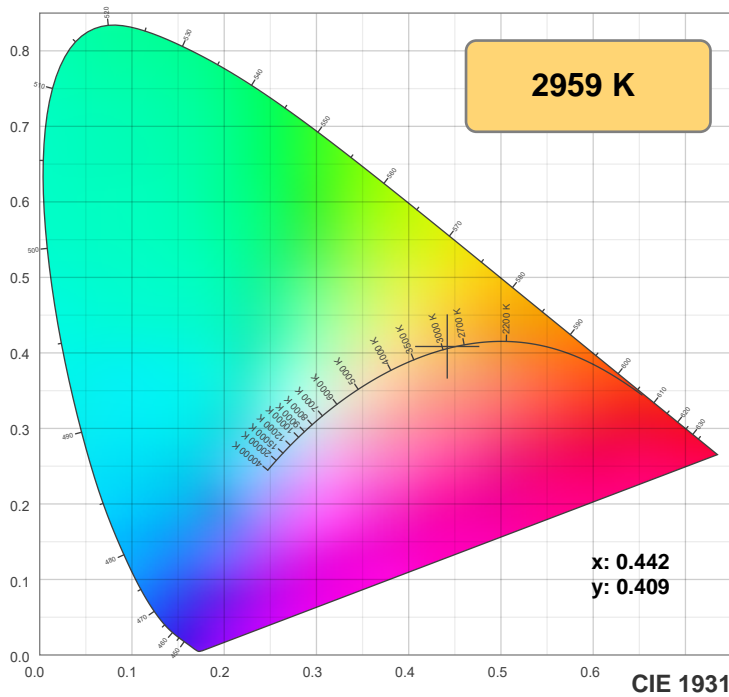
CIE 1931
x: 0.442
y: 0.409

Spectra

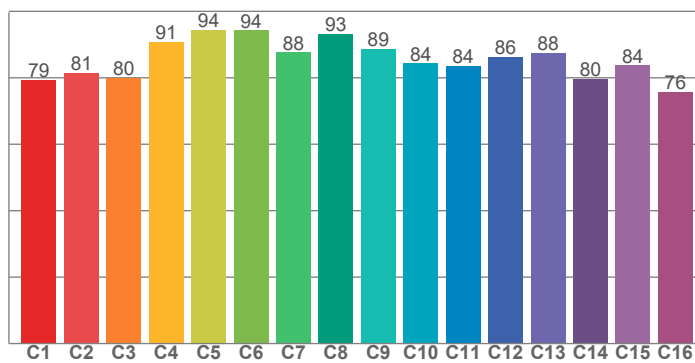


Power

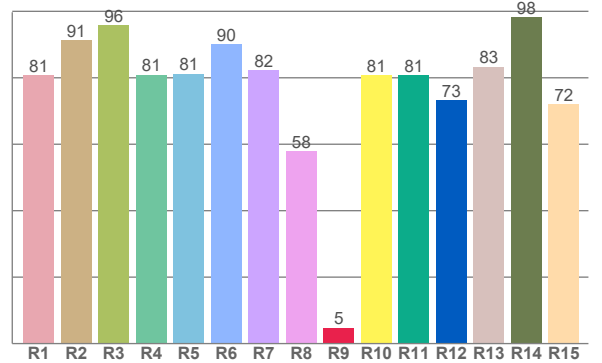




TM30: 85.5



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
80.8	91.3	95.9	80.9	81.2	90.2	82.3	57.8	4.8	80.9	80.9	73.3	83.3	98.3	71.9

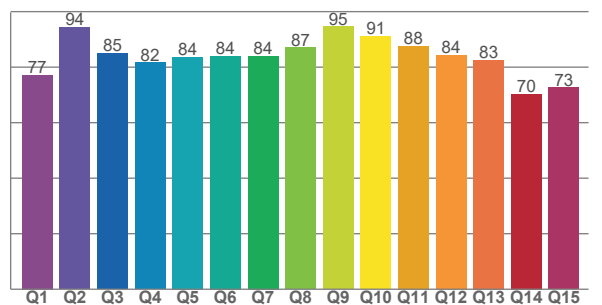
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
79.4	81.5	79.9	90.7	94.3	94.3	87.7	93.2	88.7	84.3	83.6	86.3	87.5	79.7	83.7	75.7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77.1	94.4	85.0	81.7	83.7	84.1	84.0	87.1	94.7	91.1	87.7	84.5	82.5	70.3	72.7

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
2959 K	82.5	4.8	85.5	94.8	82.5	0.442	0.409	0.252	0.349	0.0011

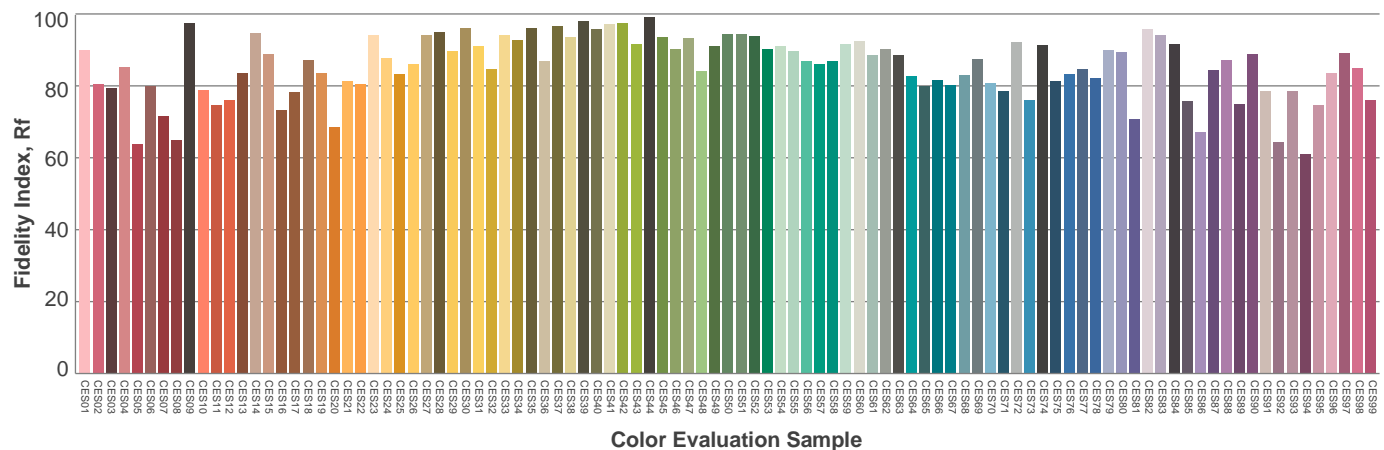
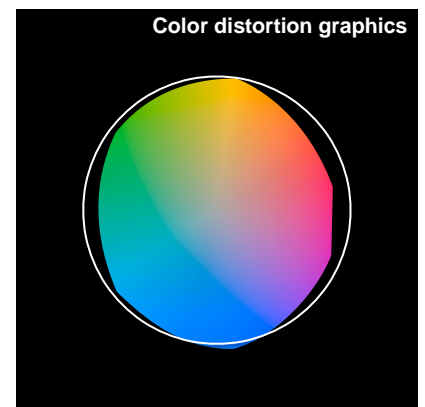
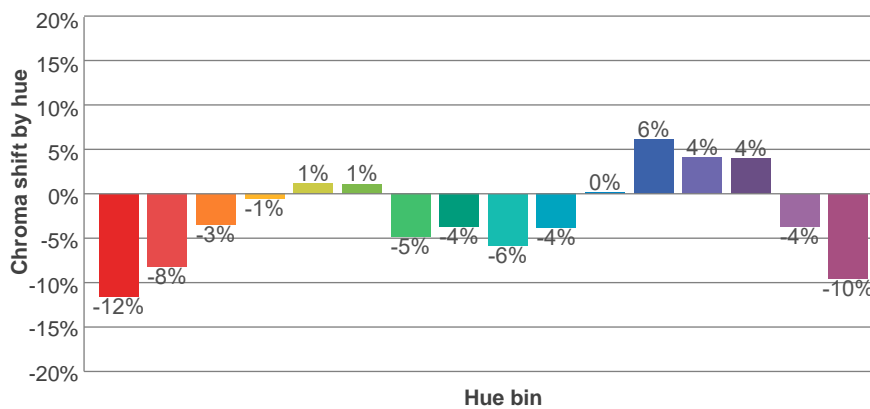
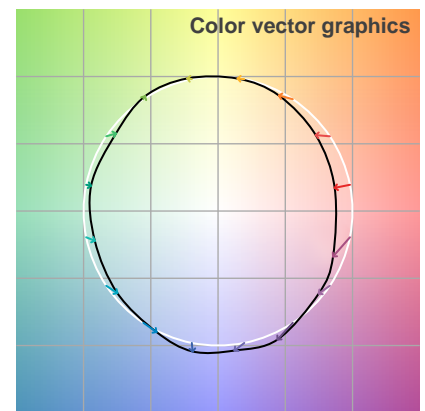
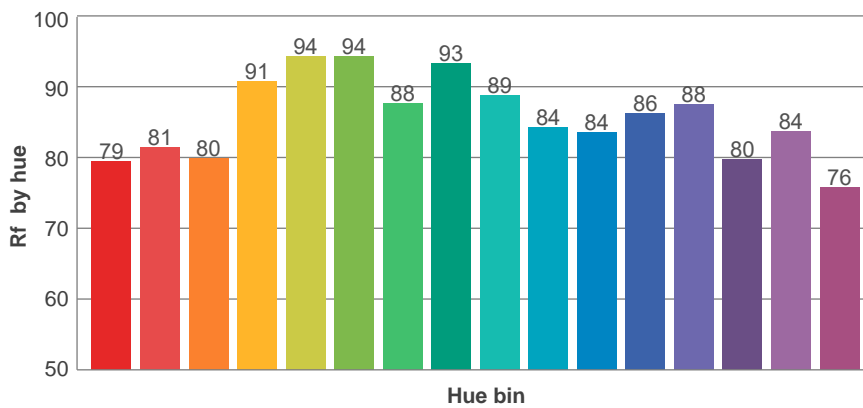
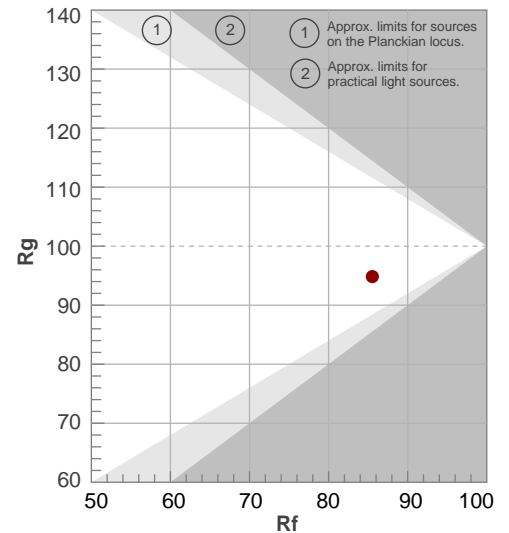
Rf 85.5

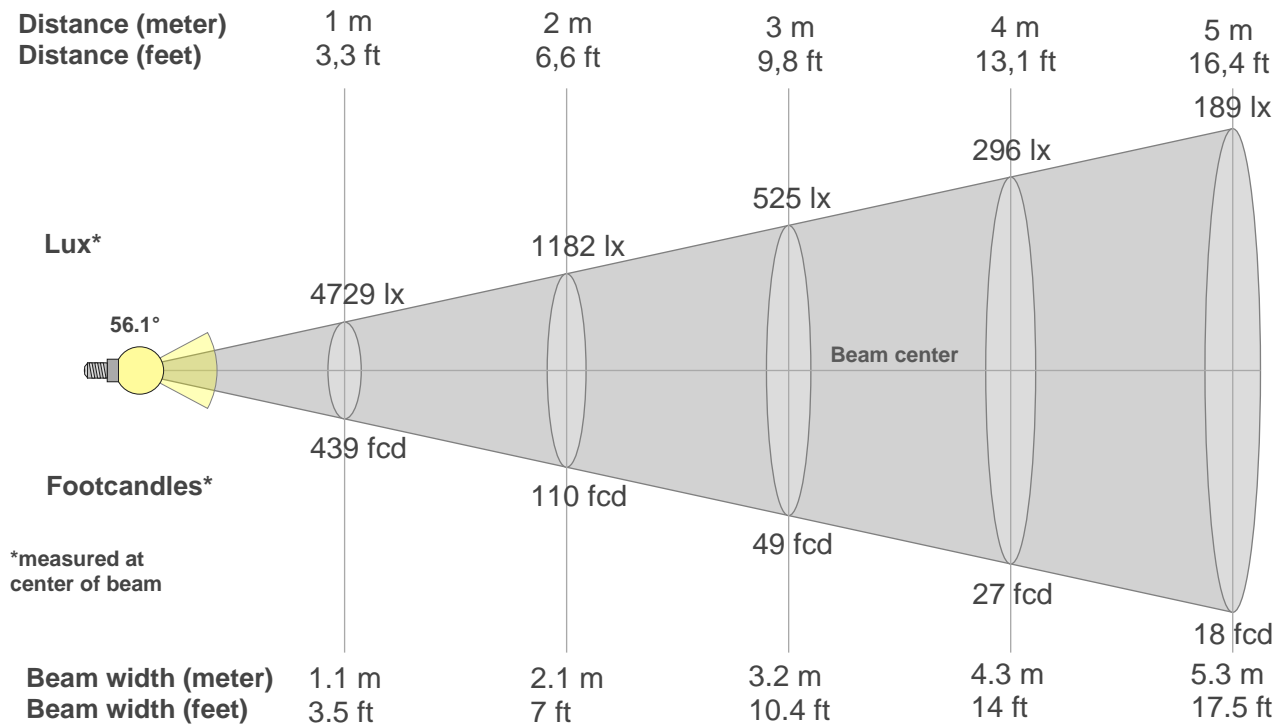
Fidelity index Rf

Rg 94.8

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	79	-12%	0%
2	81	-8%	7%
3	80	-3%	10%
4	91	-1%	5%
5	94	1%	3%
6	94	1%	-2%
7	88	-5%	-6%
8	93	-4%	0%
9	89	-6%	4%
10	84	-4%	9%
11	84	0%	12%
12	86	6%	2%
13	88	4%	-8%
14	80	4%	-16%
15	84	-4%	-9%
16	76	-10%	-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
4729lx	1182lx	525lx	296lx	189lx	131lx	97lx	74lx	58lx	47lx	39lx	33lx	28lx	24lx	21lx	18lx	16lx	15lx	13lx	12lx
439.3fcd	109.8fcd	48.8fcd	27.5fcd	17.6fcd	12.2fcd	9fcd	6.9fcd	5.4fcd	4.4fcd	3.6fcd	3.1fcd	2.6fcd	2.2fcd	2fcd	1.7fcd	1.5fcd	1.4fcd	1.2fcd	1.1fcd

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°
4729	4737	4745	4744	4710	4623	4486	4305	4085	3825	3541	3249	2953	2655	2363	1998	1506	955	473	243
100%	100%	100%	100%	100%	98%	95%	91%	86%	81%	75%	69%	62%	56%	50%	42%	32%	20%	10%	5%

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°
4729	4732	4740	4742	4700	4615	4484	4306	4088	3830	3550	3260	2964	2664	2371	1976	1466	902	436	245
100%	100%	100%	100%	99%	98%	95%	91%	86%	81%	75%	69%	63%	56%	50%	42%	31%	19%	9%	5%

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°
4729	4737	4745	4744	4710	4623	4486	4305	4085	3825	3541	3249	2953	2655	2363	1998	1506	955	473	243
100%	100%	100%	100%	100%	98%	95%	91%	86%	81%	75%	69%	62%	56%	50%	42%	32%	20%	10%	5%

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°
4729	4732	4740	4742	4700	4615	4484	4306	4088	3830	3550	3260	2964	2664	2371	1976	1466	902	436	245
100%	100%	100%	100%	99%	98%	95%	91%	86%	81%	75%	69%	63%	56%	50%	42%	31%	19%	9%	5%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
56.1°	75.9°	88.1°	98.2%	95.6%