

Light efficiency:

94 Lumen/Watt

Light quality:

CRI: 82.2

Color temperature:

3043 K

Output: 1992 lm

Peak: 8672 cd

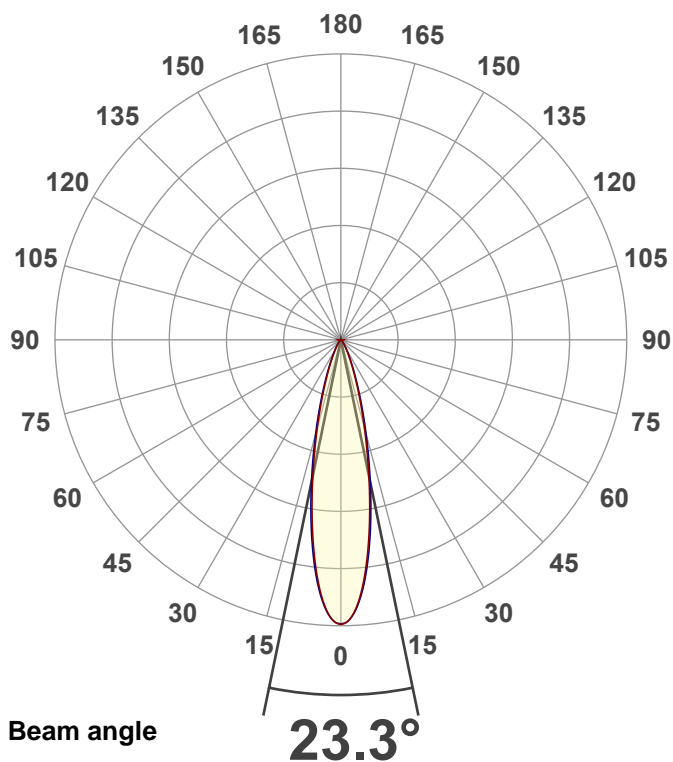
Power: 21.3 W

PF: 0.98



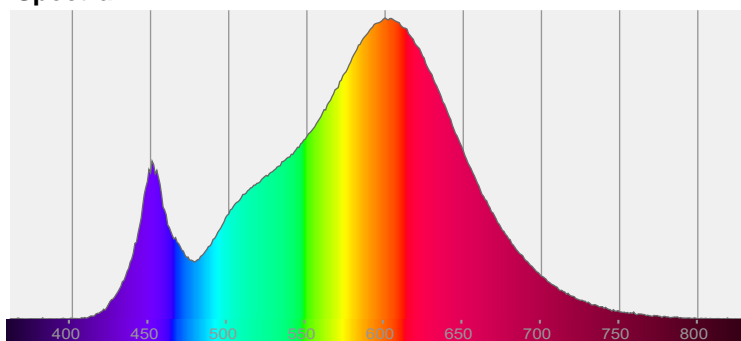
NU4-SD-SW-20LM-30K-80-20D-NA-HET-WH-WH

Date and time:
11/27/2024 2:54:51 PM

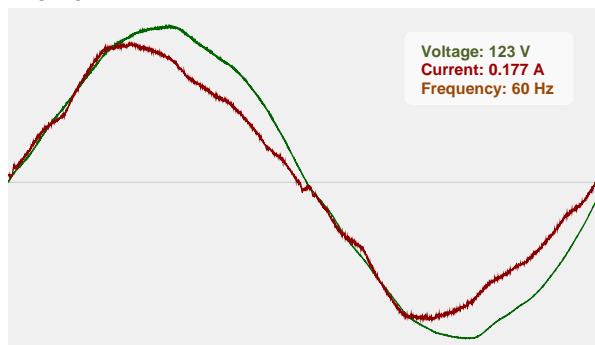


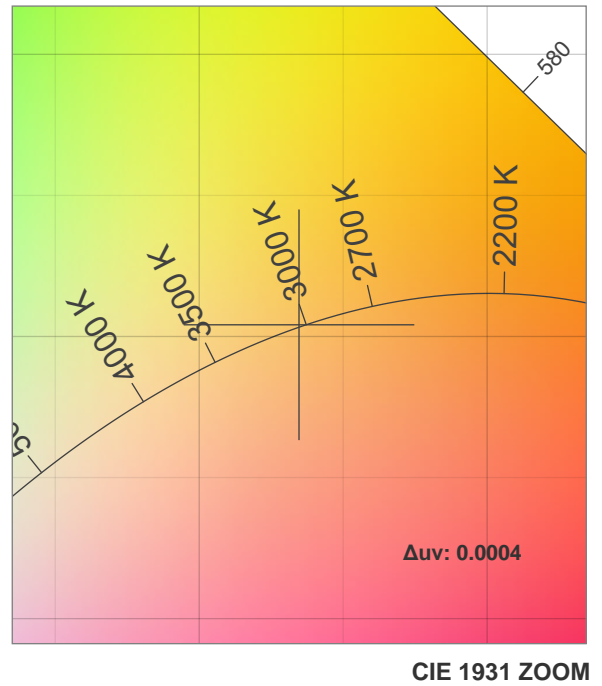
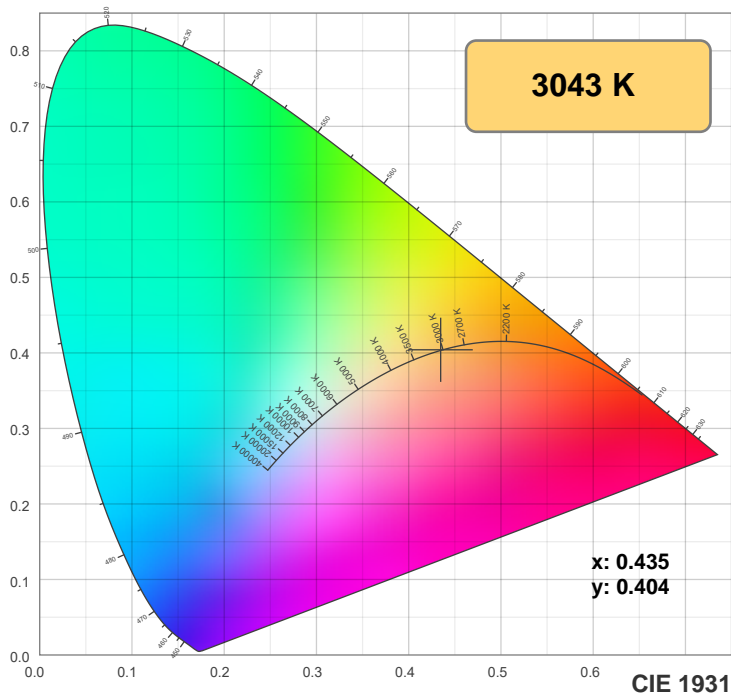
CIE 1931
x: 0.435
y: 0.404

Spectra

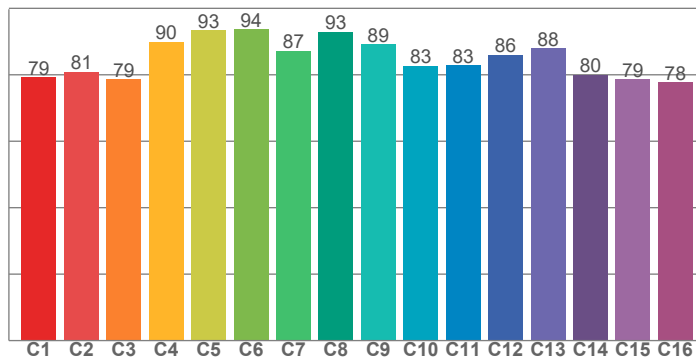


Power

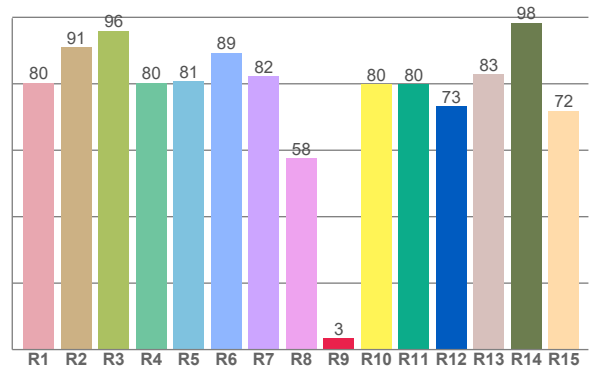




TM30: 85.1



CRI: 82.2 (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
80.4	91.0	96.0	80.4	80.8	89.4	82.2	57.6	3.5	79.9	79.9	73.2	82.9	98.3	71.8

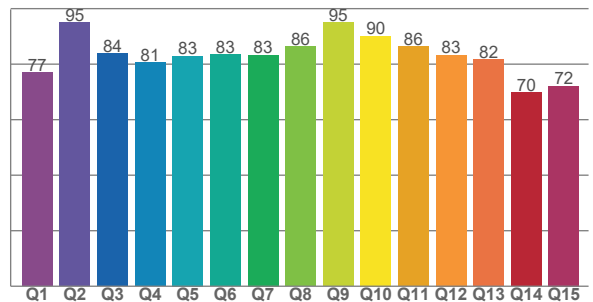
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
79.2	80.9	78.6	89.8	93.4	93.6	87.2	92.9	89.2	82.6	82.8	86.0	87.9	80.0	78.6	77.7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77.0	95.0	83.9	80.5	82.9	83.4	83.3	86.3	95.0	90.1	86.4	83.2	81.6	69.8	72.2

CQS: 81.9



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
3043 K	82.2	3.5	85.1	95.3	81.9	0.435	0.404	0.249	0.347	0.0004

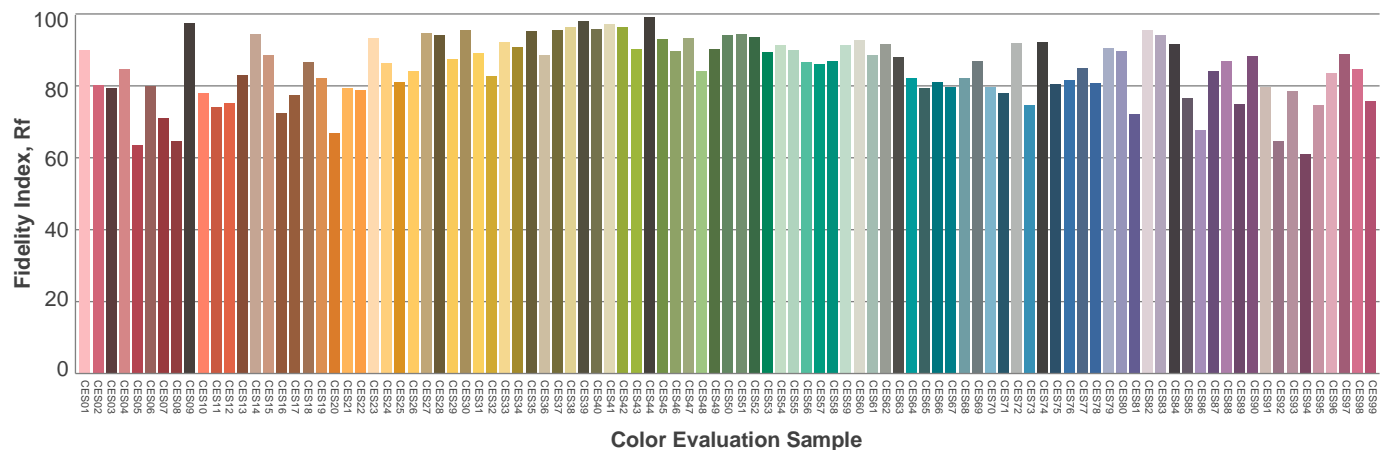
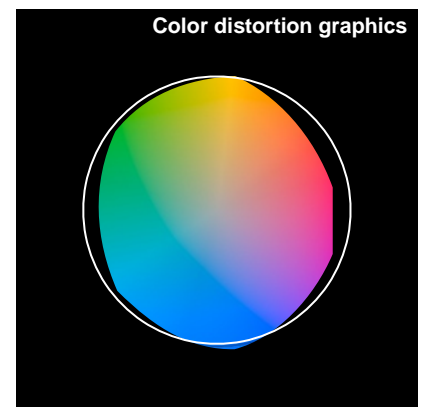
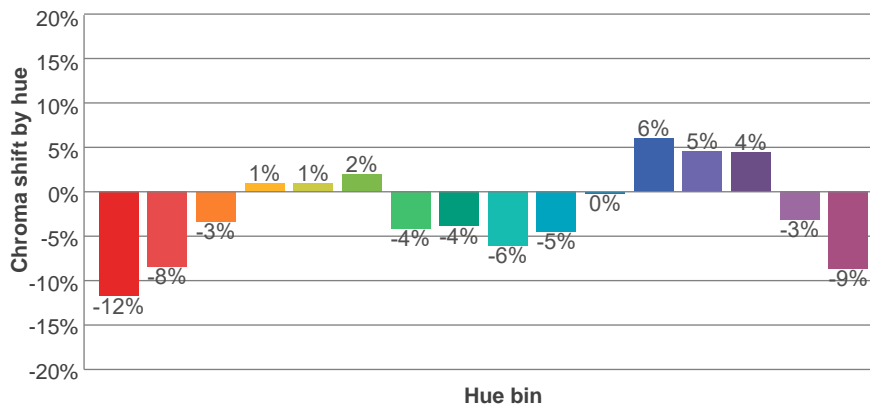
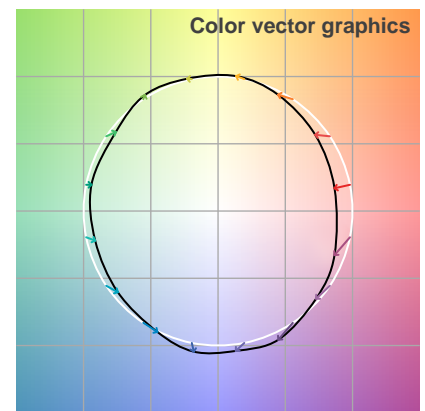
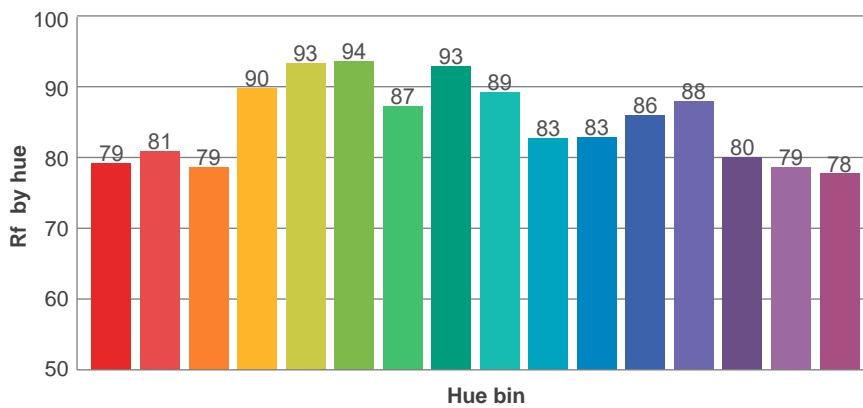
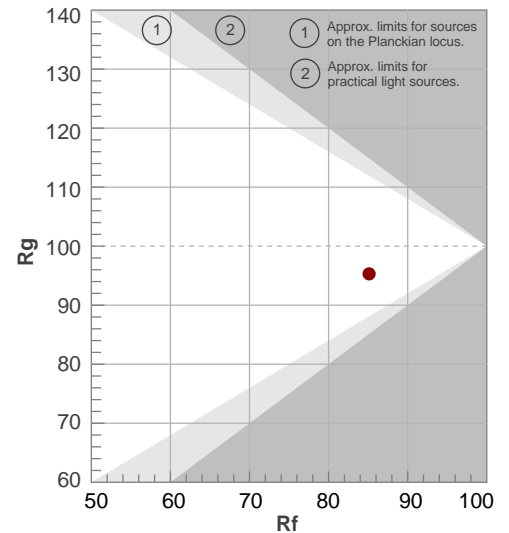
Rf 85.1

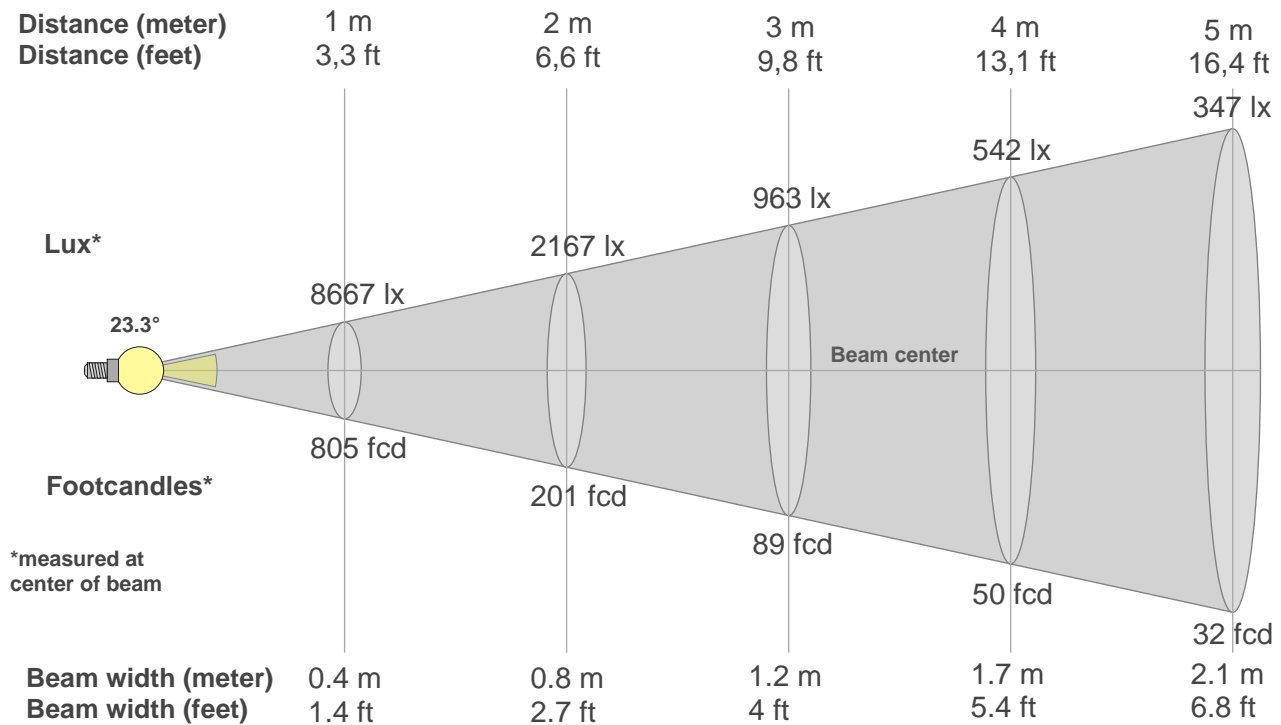
Fidelity index Rf

Rg 95.3

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	79	-12%	0%
2	81	-8%	7%
3	79	-3%	11%
4	90	1%	6%
5	93	1%	3%
6	94	2%	-3%
7	87	-4%	-7%
8	93	-4%	-1%
9	89	-6%	4%
10	83	-5%	9%
11	83	0%	12%
12	86	6%	3%
13	88	5%	-7%
14	80	4%	-16%
15	79	-3%	-14%
16	78	-9%	-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
8667lx	2167lx	963lx	542lx	347lx	241lx	177lx	135lx	107lx	87lx	72lx	60lx	51lx	44lx	39lx	34lx	30lx	27lx	24lx	22lx
805.2fcd	201.3fcd	89.5fcd	50.3fcd	32.2fcd	22.4fcd	16.4fcd	12.6fcd	9.9fcd	8.1fcd	6.7fcd	5.6fcd	4.8fcd	4.1fcd	3.6fcd	3.1fcd	2.8fcd	2.5fcd	2.2fcd	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°
8667	8484	7940	7112	6116	5064	4054	3164	2422	1828	1368	1018	761	571	432	332	255	197	150	118
100%	98%	92%	82%	71%	58%	47%	37%	28%	21%	16%	12%	9%	7%	5%	4%	3%	2%	2%	1%

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°
8667	8497	7997	7229	6280	5264	4273	3373	2612	1990	1497	1121	836	626	472	360	276	213	163	125
100%	98%	92%	83%	72%	61%	49%	39%	30%	23%	17%	13%	10%	7%	5%	4%	3%	2%	2%	1%

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°
8667	8484	7940	7112	6116	5064	4054	3164	2422	1828	1368	1018	761	571	432	332	255	197	150	118
100%	98%	92%	82%	71%	58%	47%	37%	28%	21%	16%	12%	9%	7%	5%	4%	3%	2%	2%	1%

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°
8667	8497	7997	7229	6280	5264	4273	3373	2612	1990	1497	1121	836	626	472	360	276	213	163	125
100%	98%	92%	83%	72%	61%	49%	39%	30%	23%	17%	13%	10%	7%	5%	4%	3%	2%	2%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23.3°	46.9°	68°	99.2%	97.2%