

Light efficiency:

76 Lumen/Watt

Light quality:

CRI: 84.3

Color temperature:

3053 K

Output: 2562 lm

Peak: 5813 cd

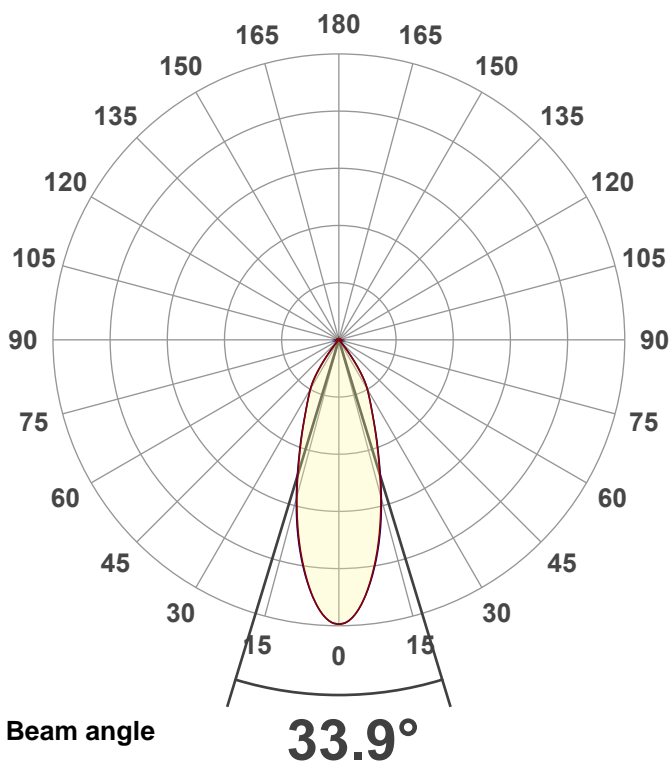
Power: 33.7 W

PF: 0.98



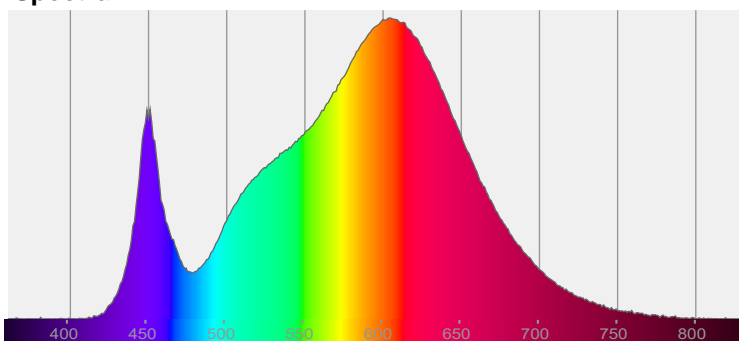
NU4-RD-TW-30LM-2750-80-35D-CL-WH-WH

Date and time:
3/31/2023 3:32:39 PM

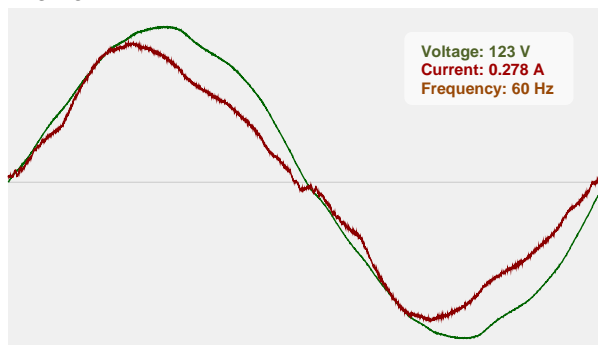


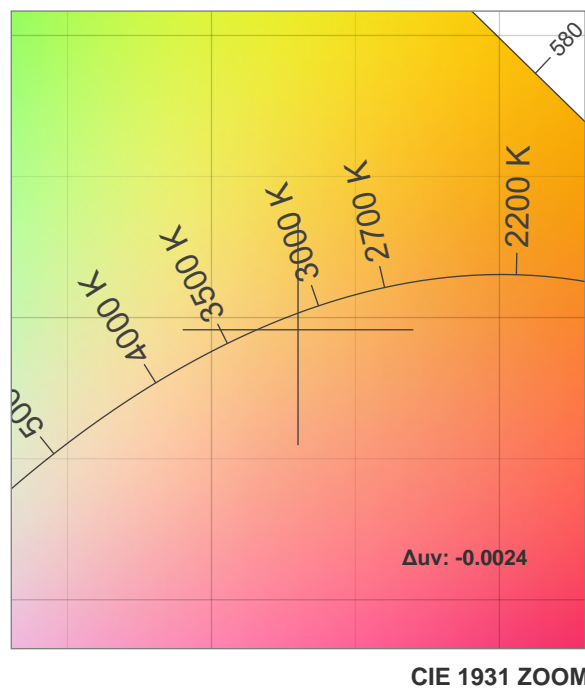
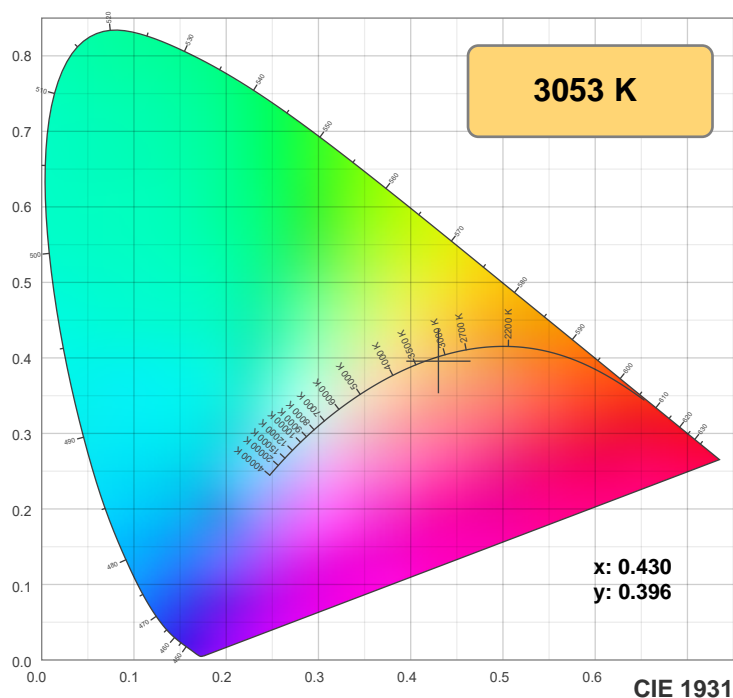
CIE 1931
x: 0.430
y: 0.396

Spectra

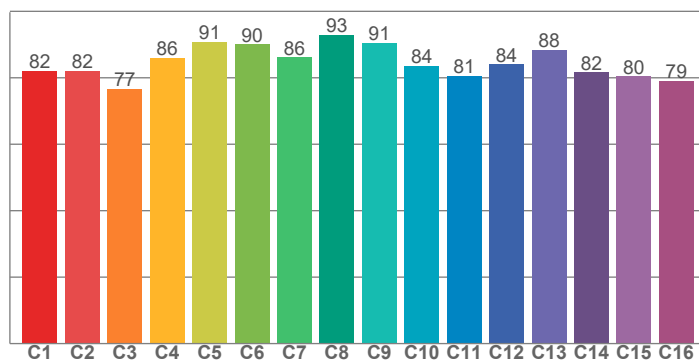


Power

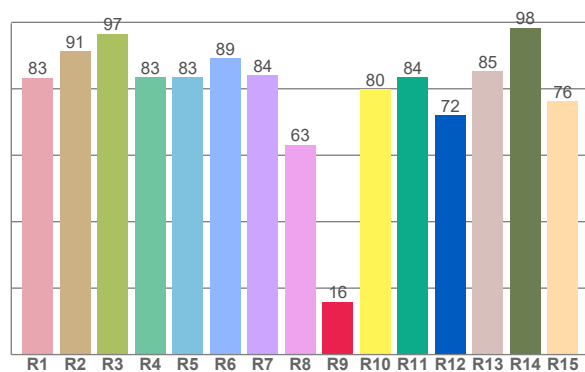




TM30: 84.7



CRI: 84.3 (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
83.4	91.4	96.5	83.4	83.4	89.2	84.0	63.2	15.9	79.9	83.5	72.1	85.3	98.4	76.3

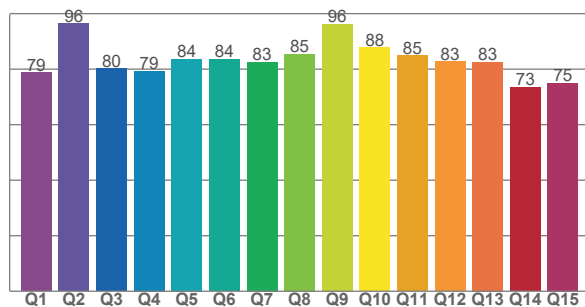
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
82.0	82.1	76.6	85.9	90.9	90.0	86.1	92.8	90.5	83.5	80.5	84.0	88.4	81.6	80.5	79.1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
78.8	96.5	80.2	79.4	83.6	83.6	82.5	85.4	96.3	87.8	84.9	82.7	82.6	73.4	75.0

CQS: 82.3



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
3053 K	84.3	15.9	84.7	98.8	82.3	0.430	0.396	0.250	0.345	-0.0024

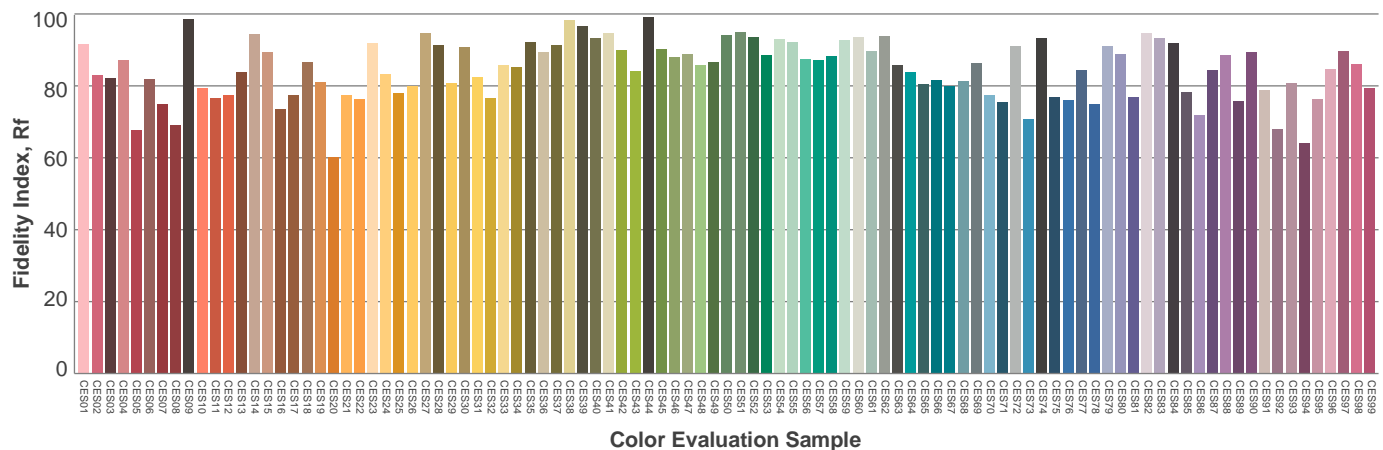
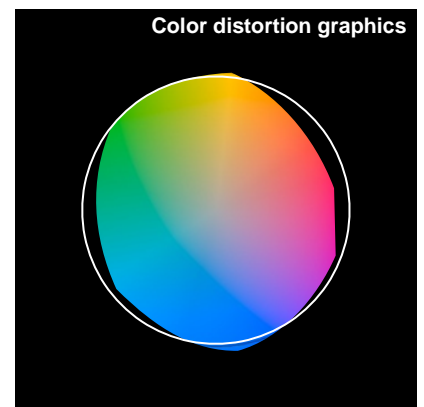
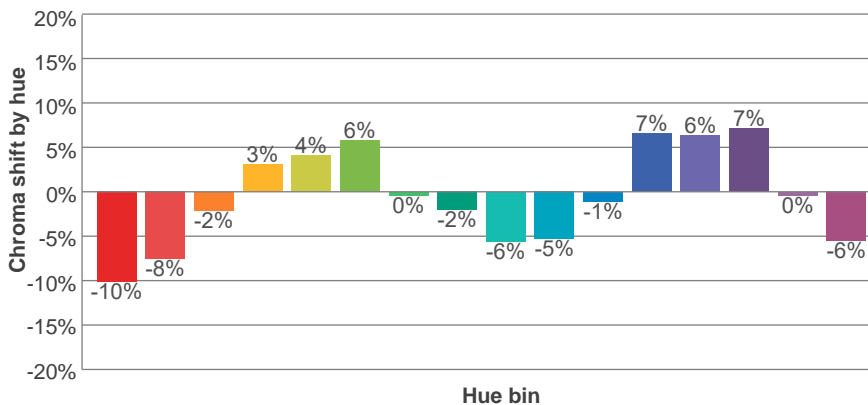
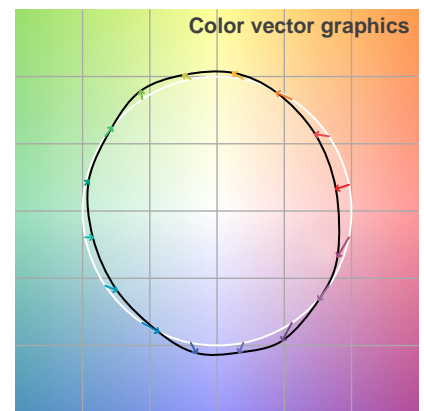
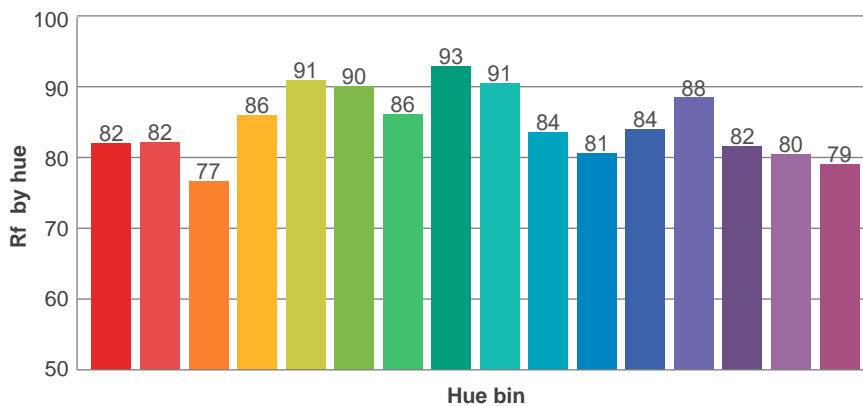
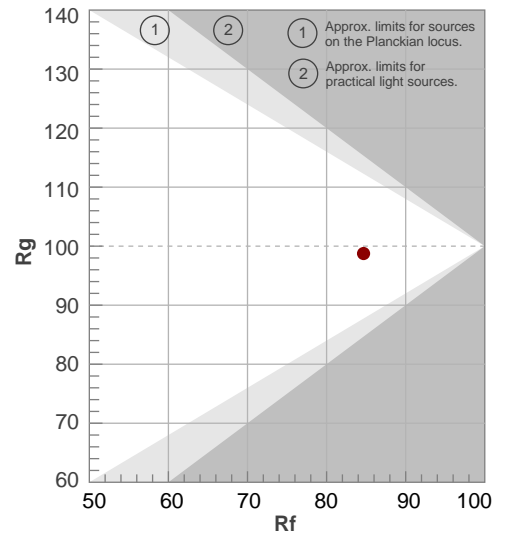
Rf 84.7

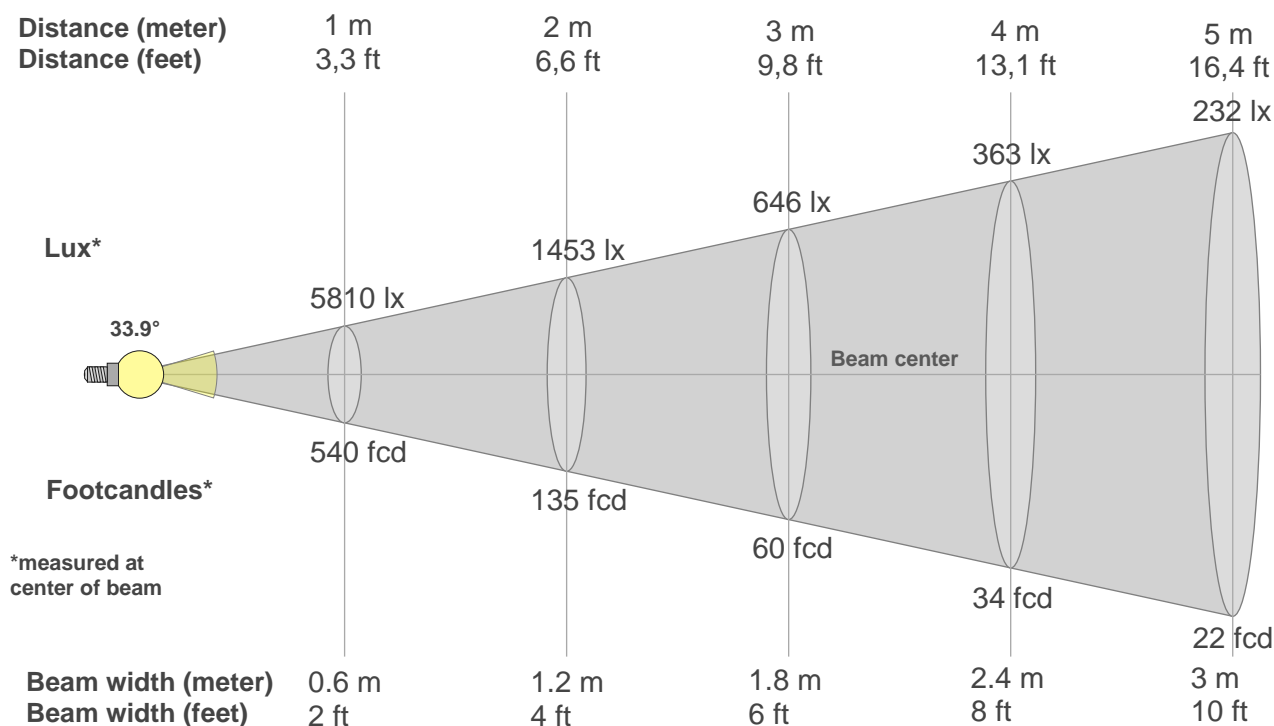
Fidelity index Rf

Rg 98.8

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	82	-10%	-1%
2	82	-8%	7%
3	77	-2%	12%
4	86	3%	9%
5	91	4%	5%
6	90	6%	-2%
7	86	0%	-8%
8	93	-2%	-4%
9	91	-6%	1%
10	84	-5%	8%
11	81	-1%	14%
12	84	7%	6%
13	88	6%	-4%
14	82	7%	-13%
15	80	0%	-13%
16	79	-6%	-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
5810lx	1453lx	646lx	363lx	232lx	161lx	119lx	91lx	72lx	58lx	48lx	40lx	34lx	30lx	26lx	23lx	20lx	18lx	16lx	15lx
539.8fc	134.9fc	60fcd	33.7fcd	21.6fcd	15fcd	11fcd	8.4fcd	6.7fcd	5.4fcd	4.5fcd	3.7fcd	3.2fcd	2.8fcd	2.4fcd	2.1fcd	1.9fcd	1.7fcd	1.5fcd	1.3fcd

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°
5810	5741	5545	5236	4860	4445	4001	3542	3088	2660	2289	1975	1705	1495	1318	1161	986	756	498	269
100%	99%	95%	90%	84%	77%	69%	61%	53%	46%	39%	34%	29%	26%	23%	20%	17%	13%	9%	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°
5810	5738	5540	5247	4881	4477	4043	3585	3125	2692	2315	1989	1716	1498	1319	1160	981	744	498	281
100%	99%	95%	90%	84%	77%	70%	62%	54%	46%	40%	34%	30%	26%	23%	20%	17%	13%	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°
5810	5741	5545	5236	4860	4445	4001	3542	3088	2660	2289	1975	1705	1495	1318	1161	986	756	498	269
100%	99%	95%	90%	84%	77%	69%	61%	53%	46%	39%	34%	29%	26%	23%	20%	17%	13%	9%	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°
5810	5738	5540	5247	4881	4477	4043	3585	3125	2692	2315	1989	1716	1498	1319	1160	981	744	498	281
100%	99%	95%	90%	84%	77%	70%	62%	54%	46%	40%	34%	30%	26%	23%	20%	17%	13%	9%	5%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33.9°	70.7°	79.2°	99.6%	99.4%