

Light efficiency:

81 Lumen/Watt

Light quality:

CRI: 84.3

Color temperature:

3053 K

Output: 2725 lm

Peak: 6182 cd

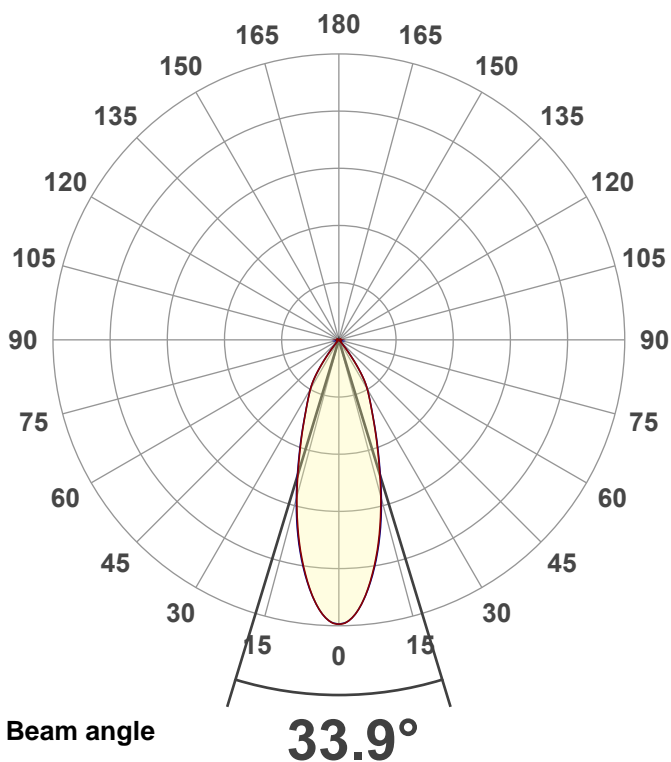
Power: 33.7 W

PF: 0.98



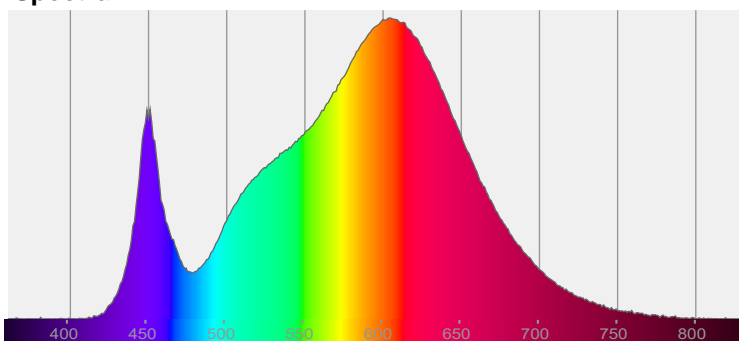
NU4-RD-TW-30LM-2750-80-35D-NL-WH-WH

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

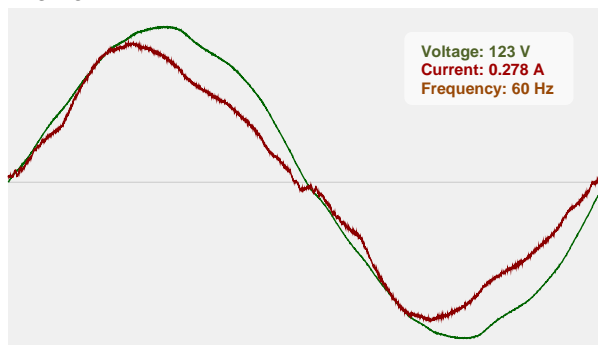


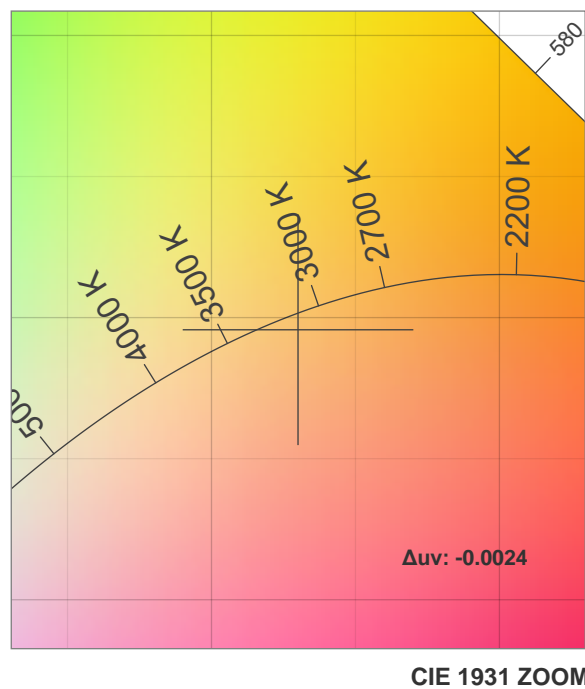
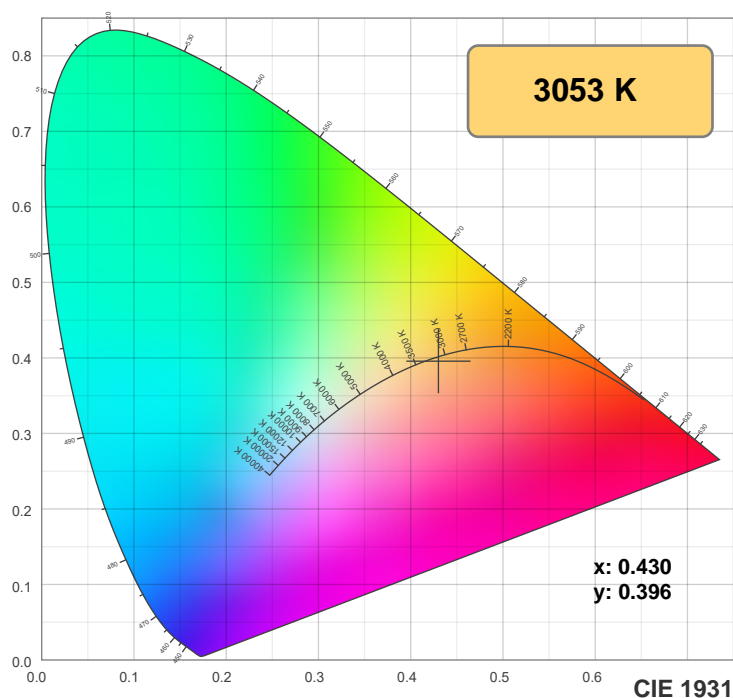
CIE 1931
x: 0.430
y: 0.396

Spectra

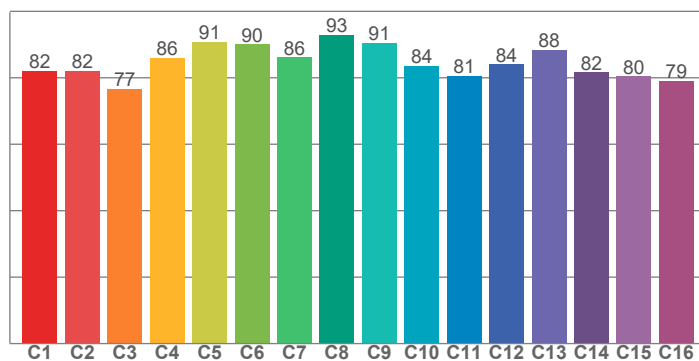


Power

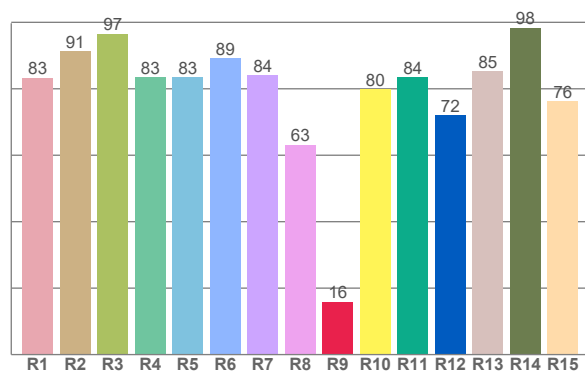




TM30: 84.7



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

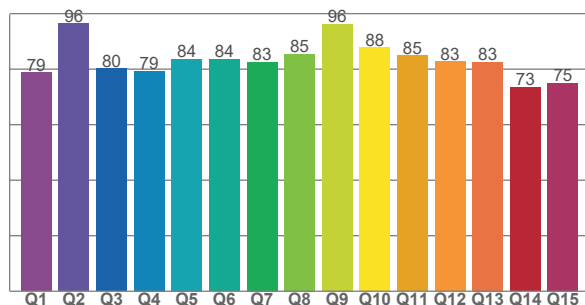
TM30 C values, 16 binned values out of total of 99 C values

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

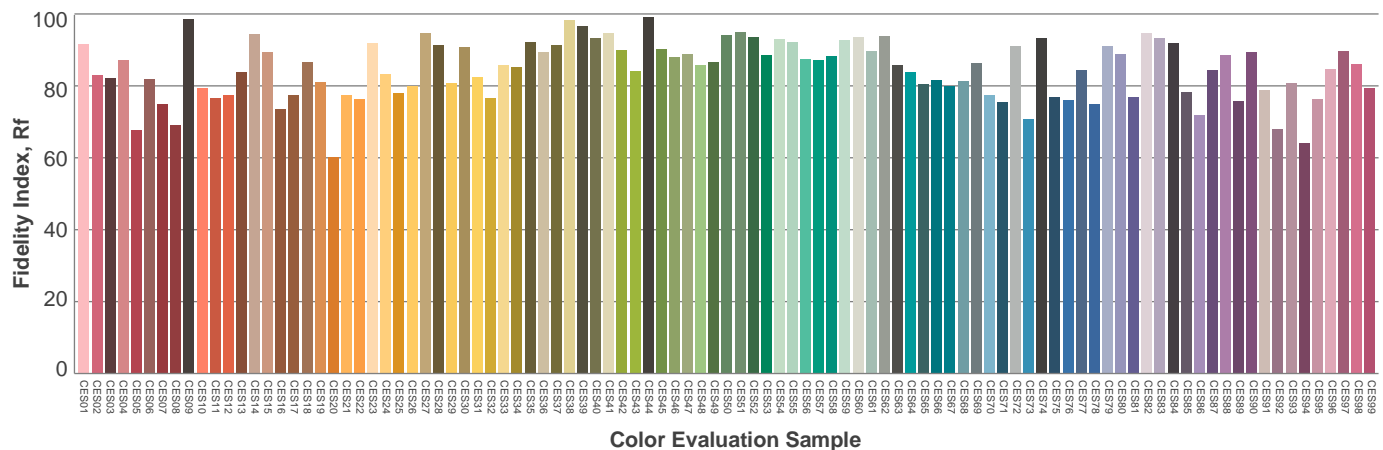
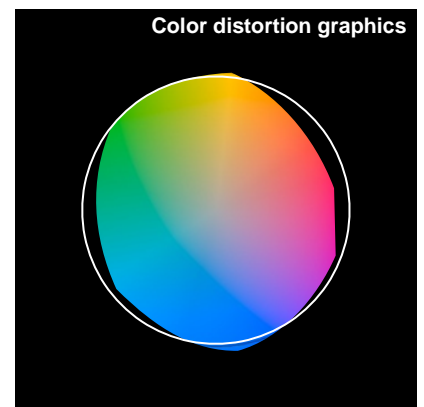
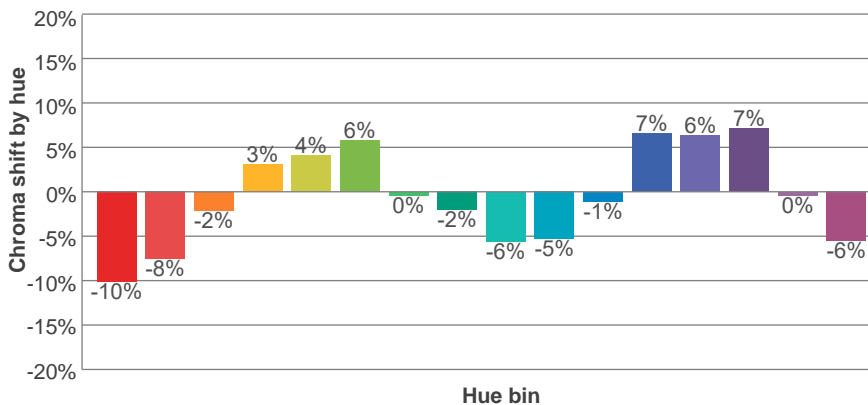
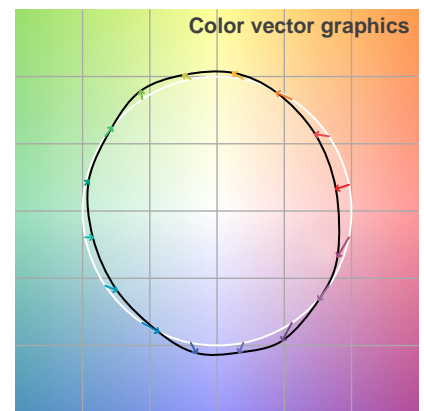
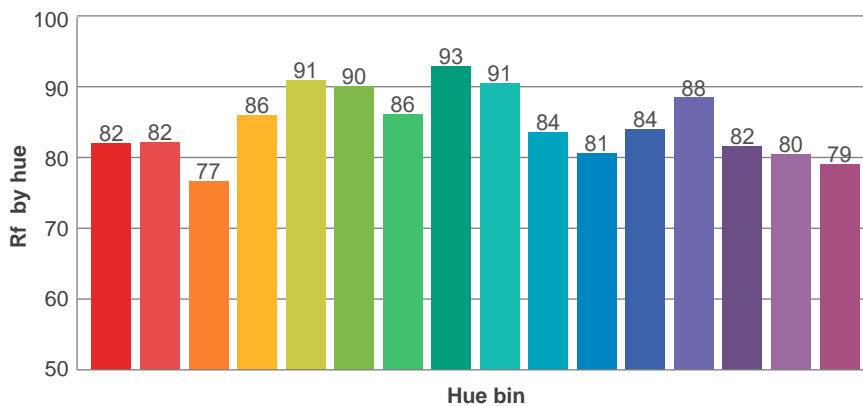
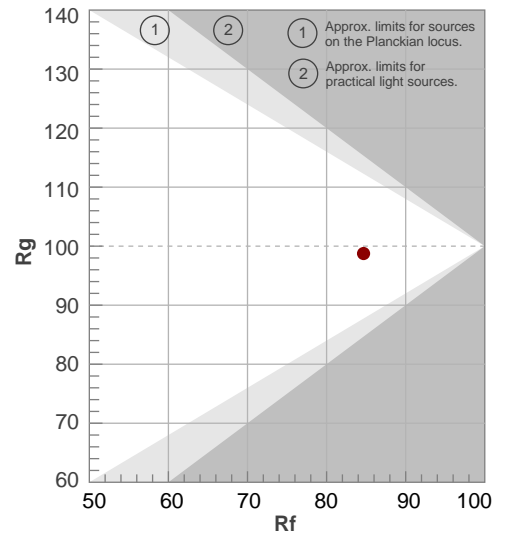
Rf 84.7

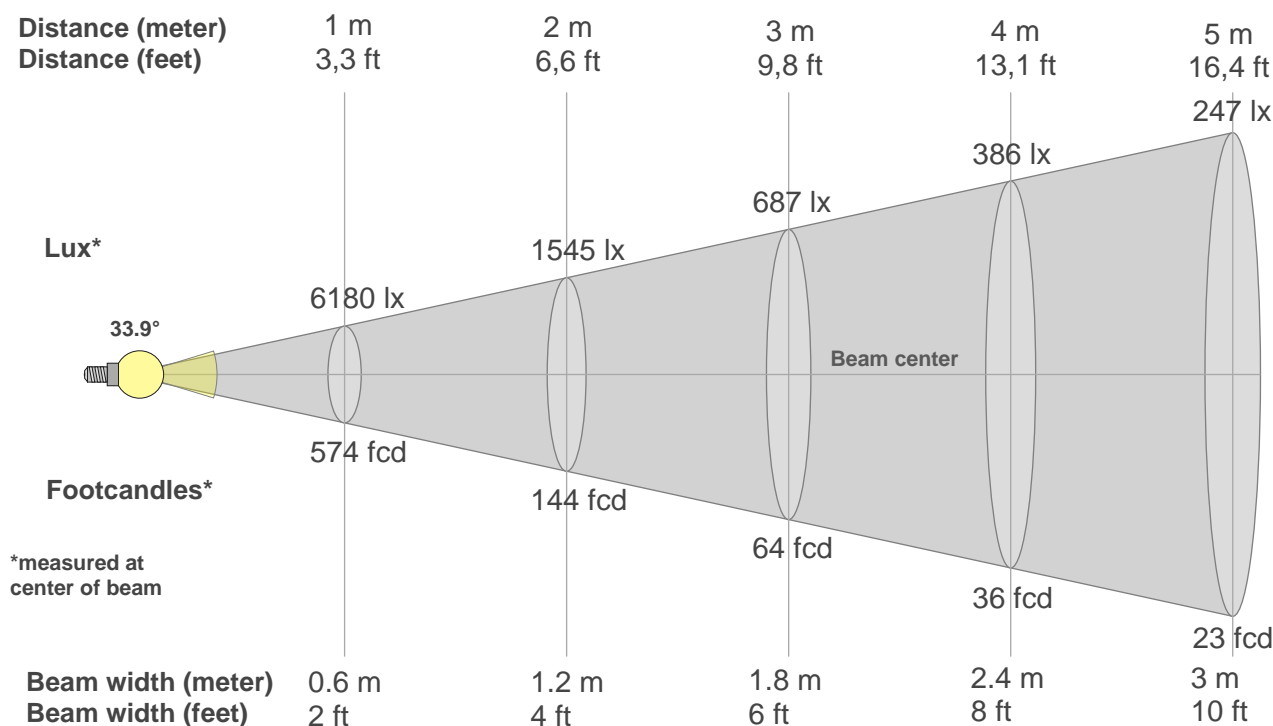
Fidelity index Rf

Rg 98.8

Gammut 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
6180lx	1545lx	687lx	386lx	247lx	172lx	126lx	97lx	76lx	62lx	51lx	43lx	37lx	32lx	27lx	24lx	21lx	19lx	17lx	15lx
574.1fc	143.5fc	63.8fcd	35.9fcd	23fcd	15.9fcd	11.7fcd	9fcd	7.1fcd	5.7fcd	4.7fcd	4fcd	3.4fcd	2.9fcd	2.6fcd	2.2fcd	2fcd	1.8fcd	1.6fcd	1.4fcd

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°
6180	6106	5898	5569	5169	4728	4256	3768	3284	2829	2435	2101	1814	1590	1402	1235	1048	804	530	286
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°
6180	6103	5893	5581	5191	4762	4300	3813	3324	2863	2463	2116	1826	1593	1403	1234	1044	791	530	298
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°
6180	6106	5898	5569	5169	4728	4256	3768	3284	2829	2435	2101	1814	1590	1402	1235	1048	804	530	286
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°
6180	6103	5893	5581	5191	4762	4300	3813	3324	2863	2463	2116	1826	1593	1403	1234	1044	791	530	298
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%