

Light efficiency:

66 Lumen/Watt

Light quality:

CRI: 81.6

Color temperature:

3047 K

Output: 2556 lm

Peak: 9034 cd

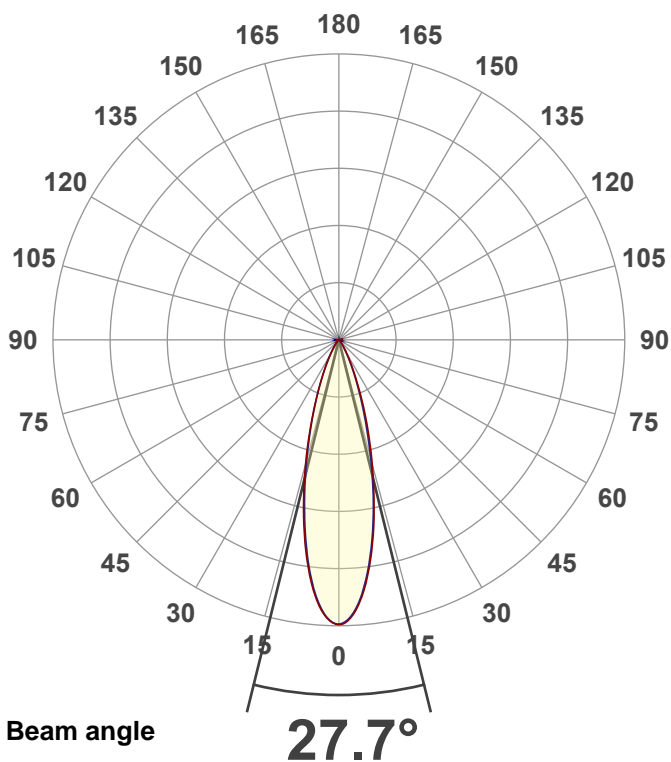
Power: 38.6 W

PF: 0.98



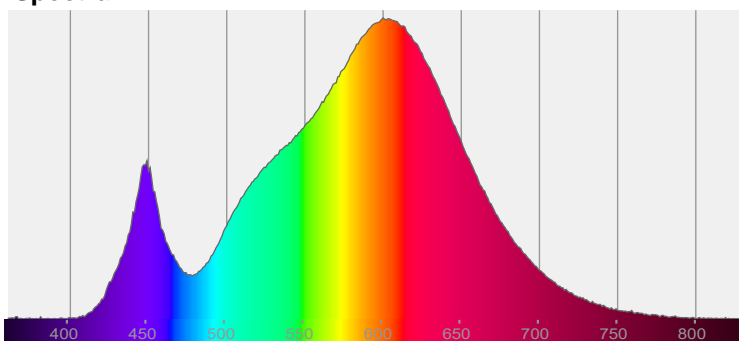
NU3-RA-SW-40LM-30K-80-25D-HETA-NL-WH

Date and time:
5/19/2022 9:43:37 AM

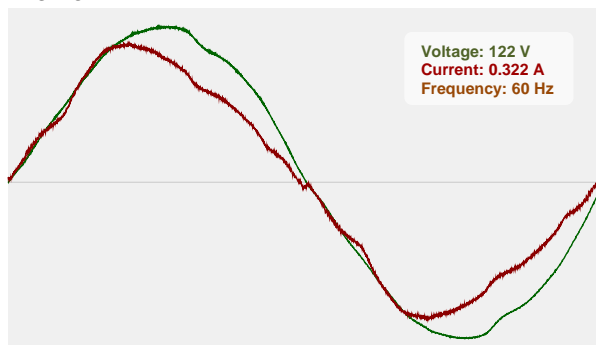


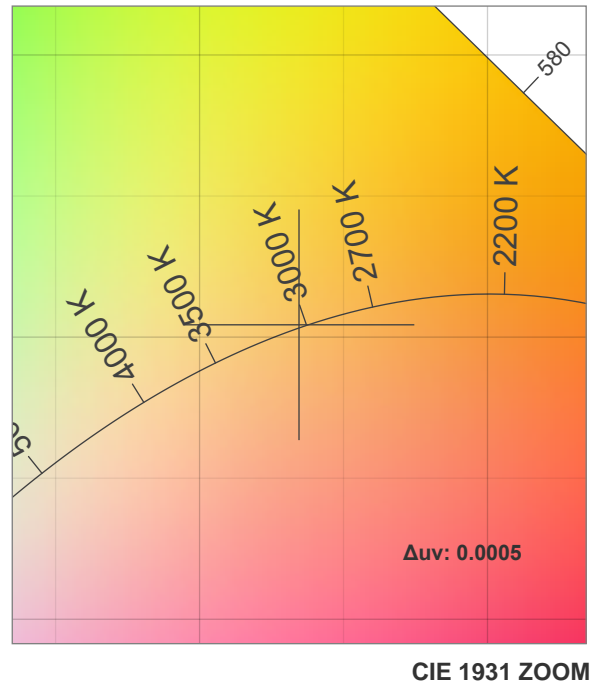
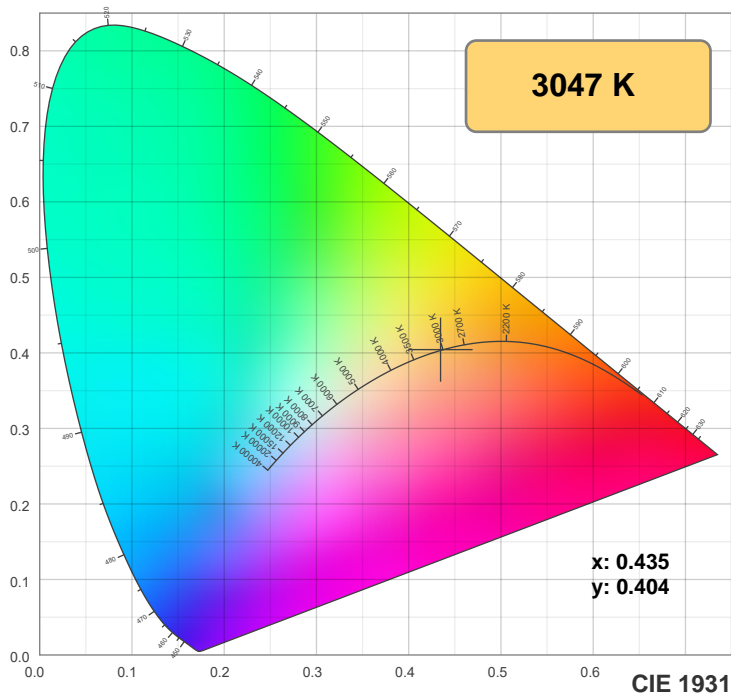
CIE 1931
x: 0.435
y: 0.404

Spectra

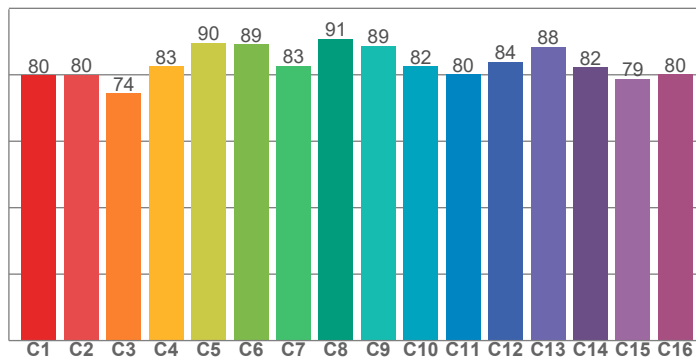


Power

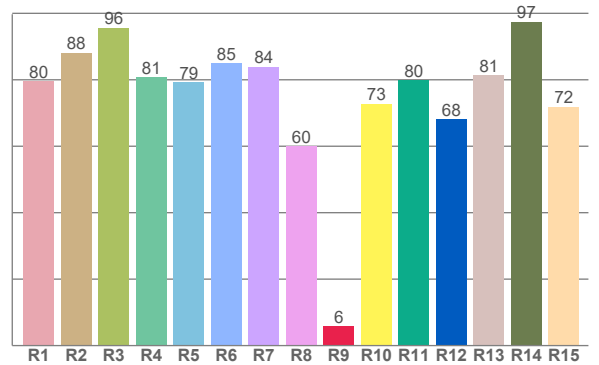




TM30: 83.3



CRI: 81.6 (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
79.6	88.2	95.7	80.8	79.3	85.0	83.9	59.9	5.8	72.8	79.8	68.2	81.3	97.4	71.9

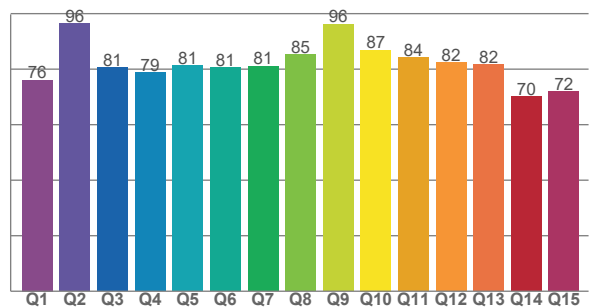
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
79.9	80.0	74.4	82.5	89.6	89.1	82.7	90.8	88.8	82.5	80.1	83.9	88.4	82.3	78.7	80.2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
76.0	96.4	80.5	78.8	81.3	80.5	81.0	85.2	96.1	86.8	84.2	82.3	81.7	70.1	72.0

CQS: 80.7



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
3047 K	81.6	5.8	83.3	97.7	80.7	0.435	0.404	0.249	0.347	0.0005

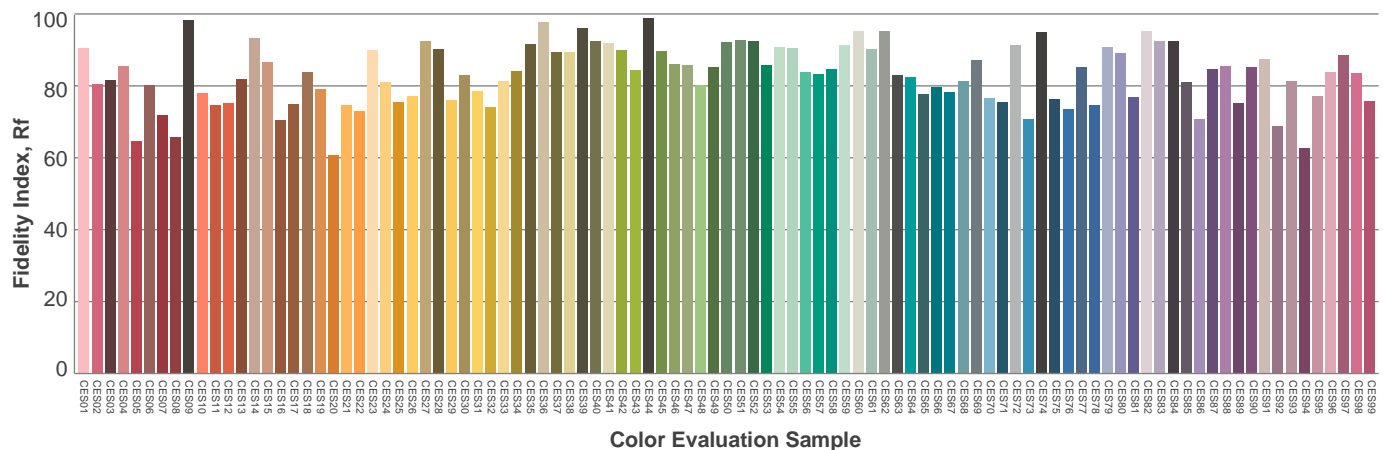
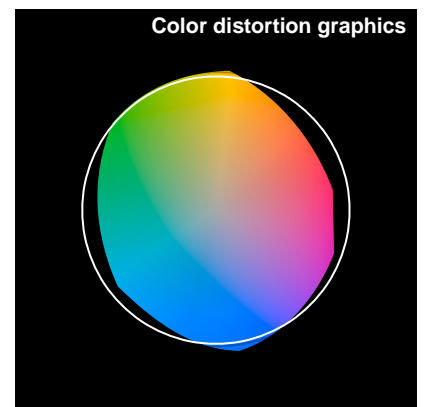
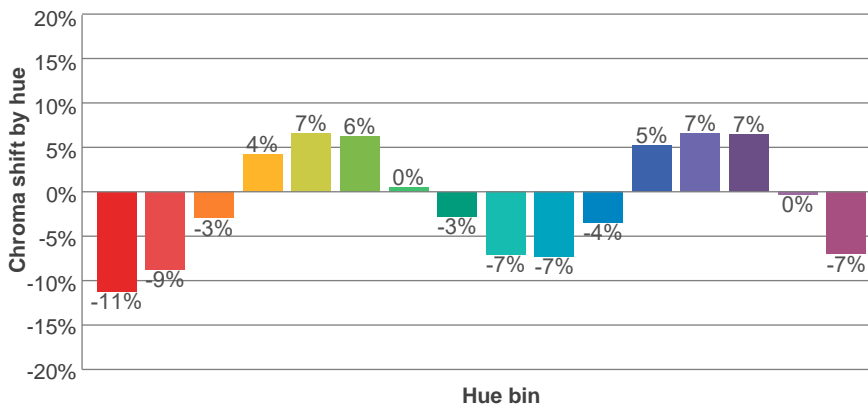
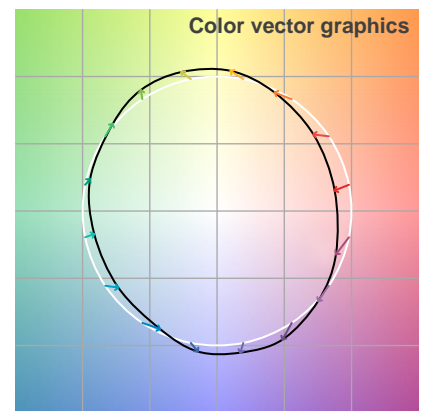
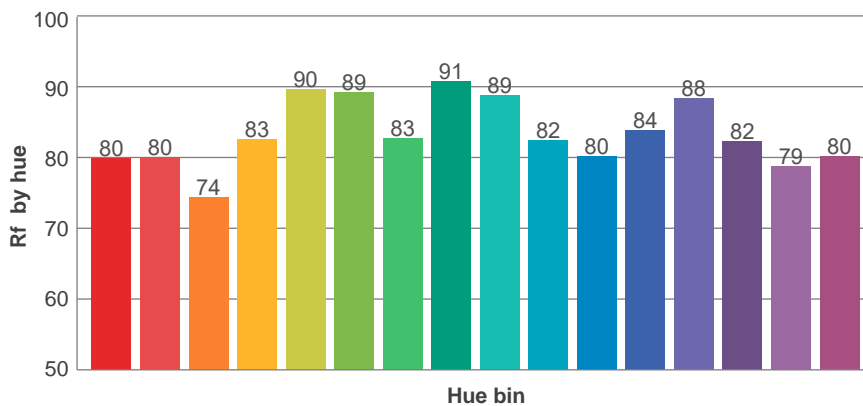
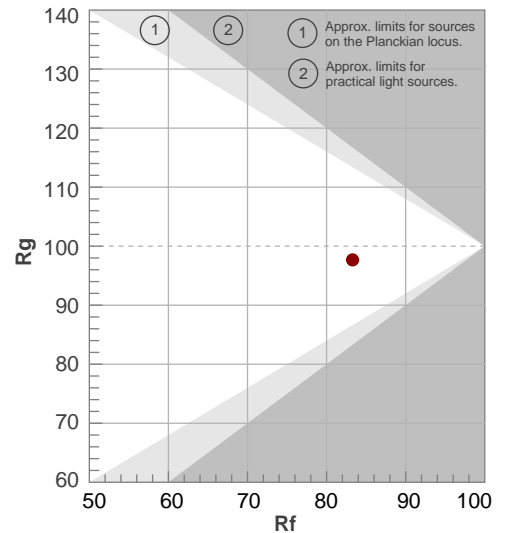
Rf 83.3

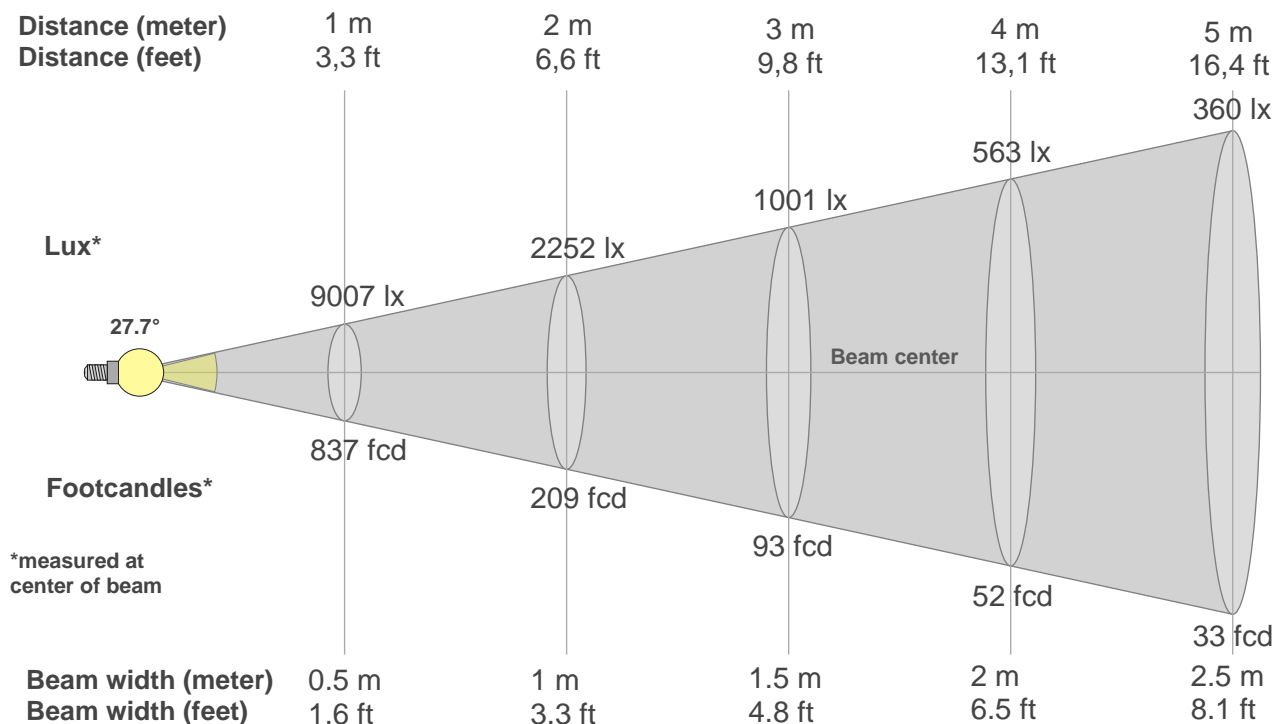
Fidelity index Rf

Rg 97.7

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	80	-11%	-2%
2	80	-9%	7%
3	74	-3%	13%
4	83	4%	11%
5	90	7%	6%
6	89	6%	-3%
7	83	0%	-11%
8	91	-3%	-5%
9	89	-7%	-1%
10	82	-7%	7%
11	80	-4%	14%
12	84	5%	6%
13	88	7%	-4%
14	82	7%	-13%
15	79	0%	-14%
16	80	-7%	-14%





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
9007lx	2252lx	1001lx	563lx	360lx	250lx	184lx	141lx	111lx	90lx	74lx	63lx	53lx	46lx	40lx	35lx	31lx	28lx	25lx	23lx
836.8fcd	209.2fcd	93fcd	52.3fcd	33.5fcd	23.2fcd	17.1fcd	13.1fcd	10.3fcd	8.4fcd	6.9fcd	5.8fcd	5fcd	4.3fcd	3.7fcd	3.3fcd	2.9fcd	2.6fcd	2.3fcd	2.1fcd

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°
9007	8866	8484	7899	7137	6287	5396	4526	3718	2974	2336	1782	1334	985	716	522	385	281	201	140
100%	98%	94%	88%	79%	70%	60%	50%	41%	33%	26%	20%	15%	11%	8%	6%	4%	3%	2%	2%

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°
9007	8863	8428	7795	7025	6169	5266	4360	3505	2759	2126	1603	1188	875	631	444	306	210	145	100
100%	98%	94%	87%	78%	68%	58%	48%	39%	31%	24%	18%	13%	10%	7%	5%	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°
9007	8892	8540	7918	7152	6299	5409	4526	3687	2936	2300	1775	1352	1019	763	565	410	293	205	142
100%	99%	95%	88%	79%	70%	60%	50%	41%	33%	26%	20%	15%	11%	8%	6%	5%	3%	2%	2%

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°
9007	8852	8447	7830	7049	6158	5249	4365	3556	2842	2221	1718	1301	974	723	532	394	294	214	154
100%	98%	94%	87%	78%	68%	58%	48%	39%	32%	25%	19%	14%	11%	8%	6%	4%	3%	2%	2%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
27.7°	53°	70.2°	99.8%	99.1%