

Light efficiency:

81 Lumen/Watt

Light quality:

CRI: 84.2

Color temperature:

3082 K

Output: 2733 lm

Peak: 3106 cd

Power: 33.8 W

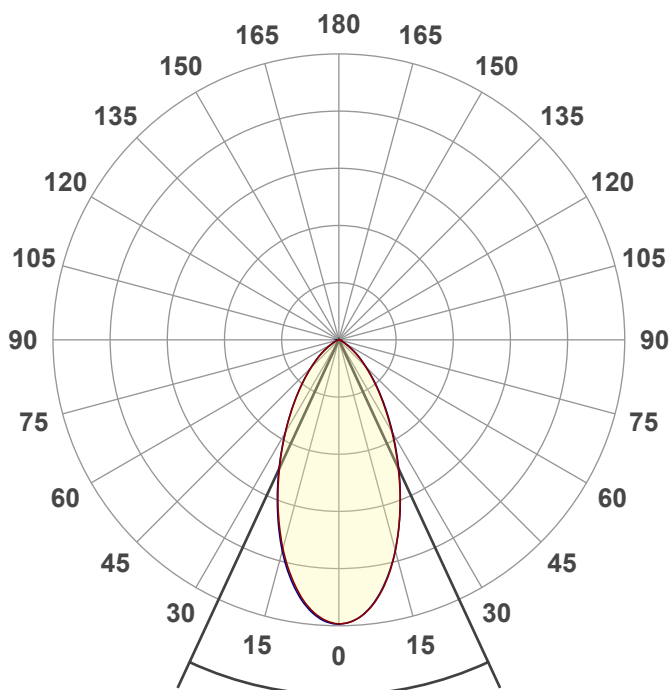
PF: 0.98



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

Date and time:

4/3/2023 9:20:42 AM



Beam angle

49.7°

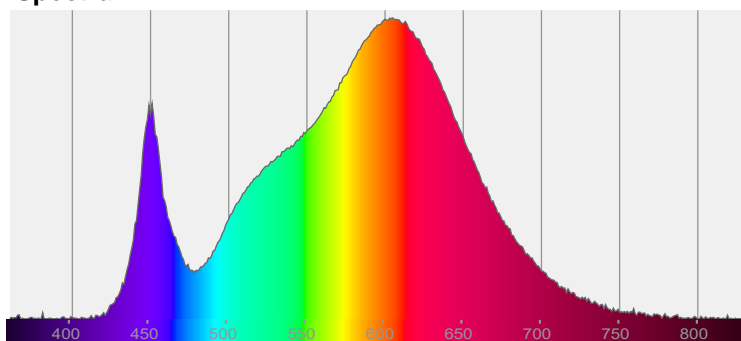


CIE 1931

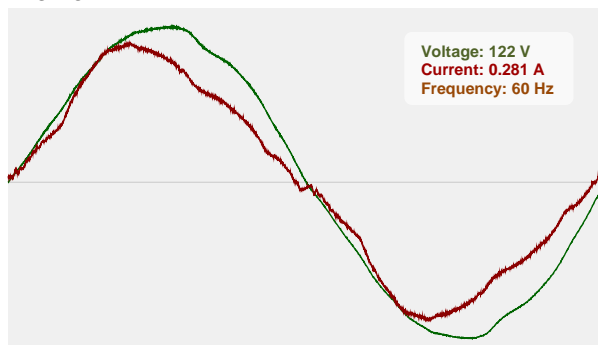
x: 0.428

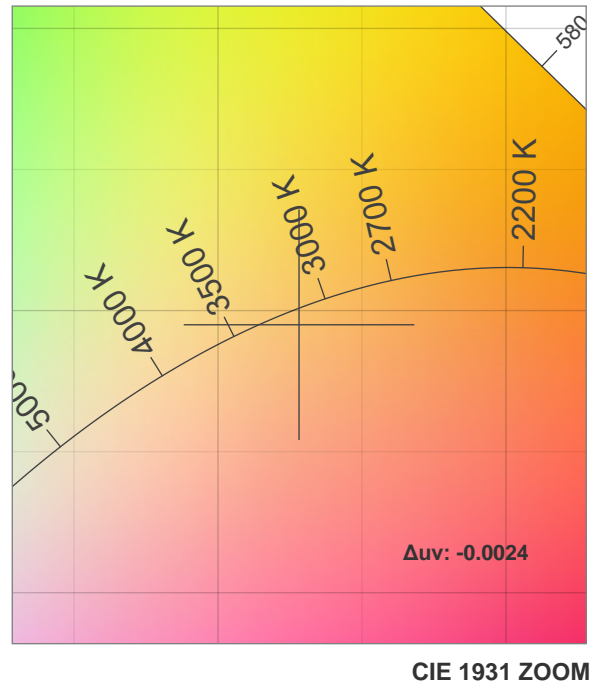
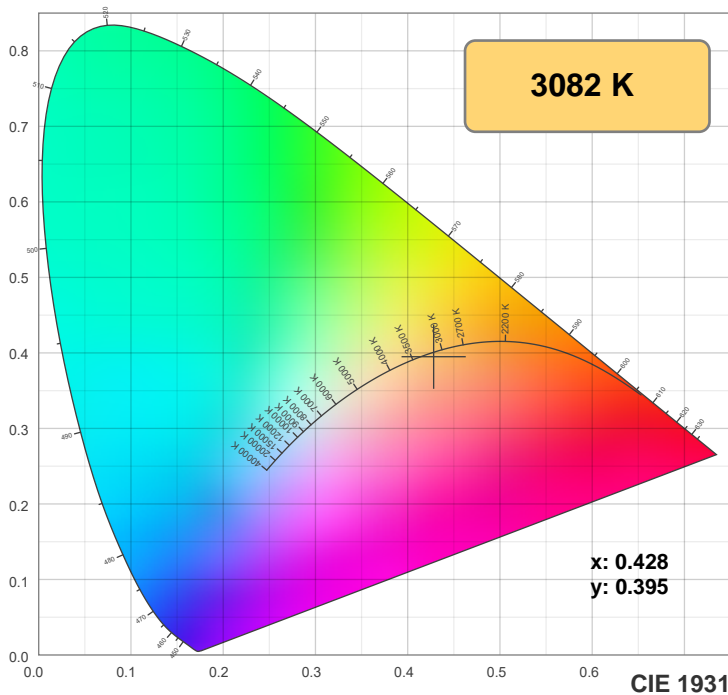
y: 0.395

Spectra

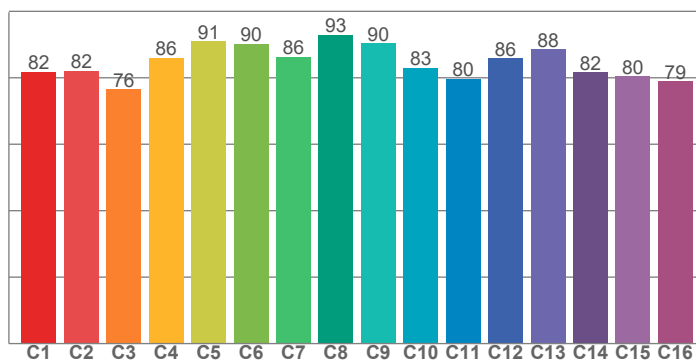


Power

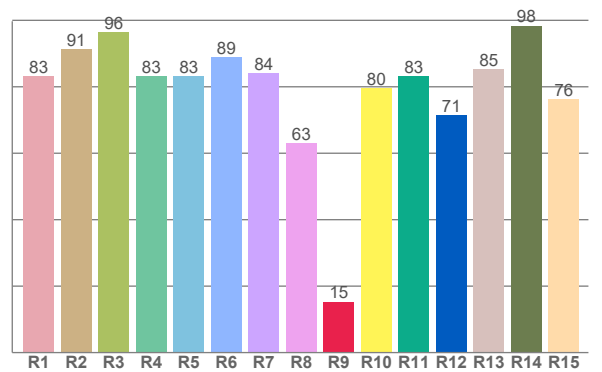




TM30: 84.6



CRI: 84.2 (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
83.2	91.2	96.5	83.2	83.2	88.9	84.0	63.1	15.3	79.6	83.2	71.4	85.2	98.4	76.2

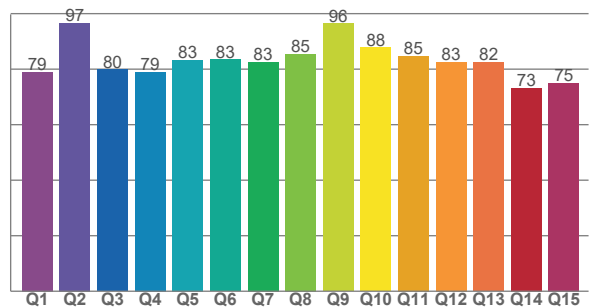
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
81.9	82.0	76.5	86.0	90.9	90.2	86.3	92.9	90.3	83.0	79.6	85.8	88.5	81.6	80.4	78.9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
78.9	96.6	79.9	79.0	83.4	83.5	82.5	85.4	96.4	87.7	84.7	82.6	82.5	73.2	74.9

CQS: 82.1



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
3082 K	84.2	15.3	84.6	98.8	82.1	0.428	0.395	0.249	0.344	-0.0024

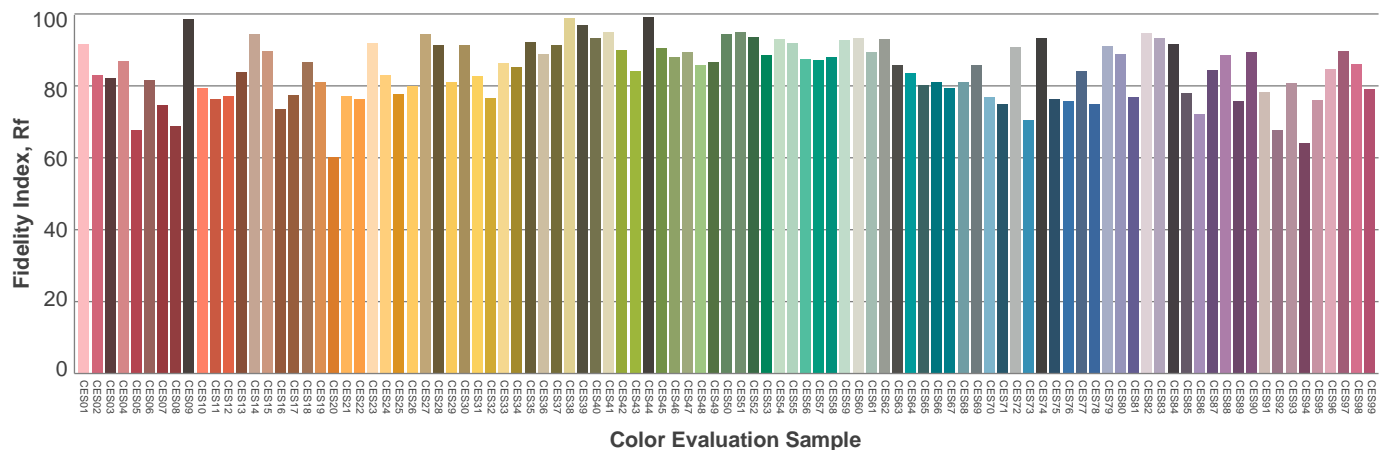
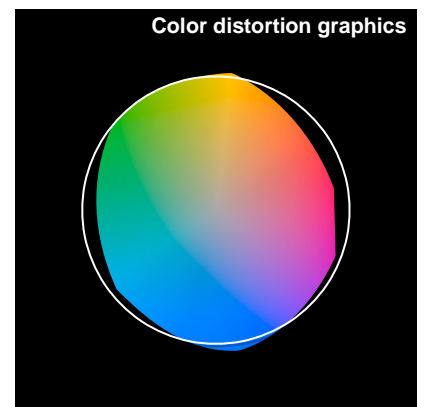
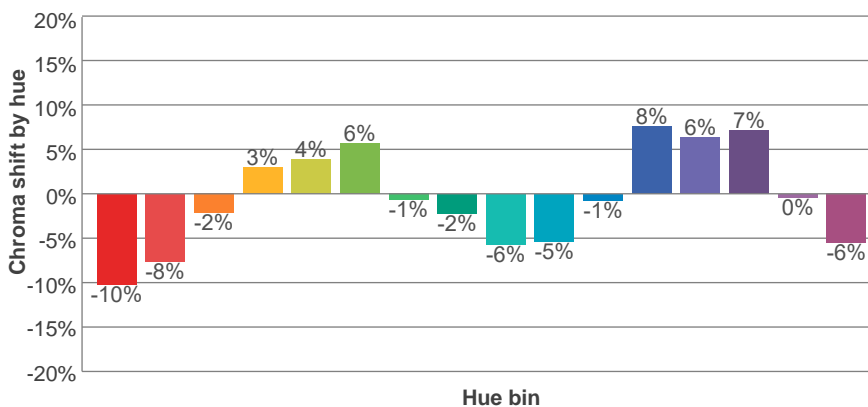
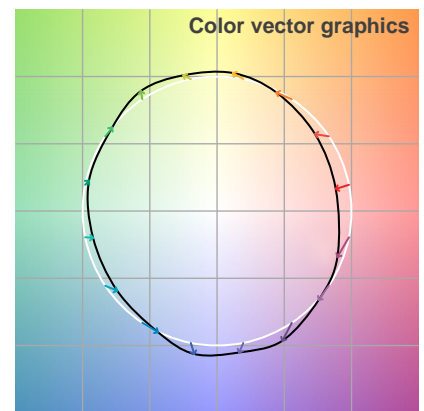
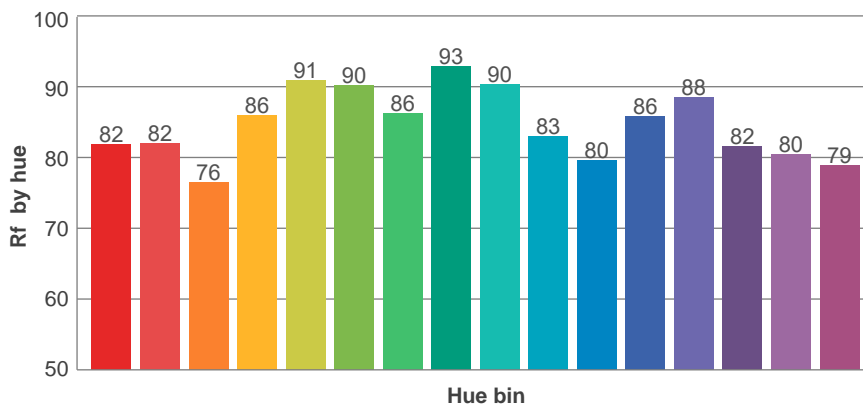
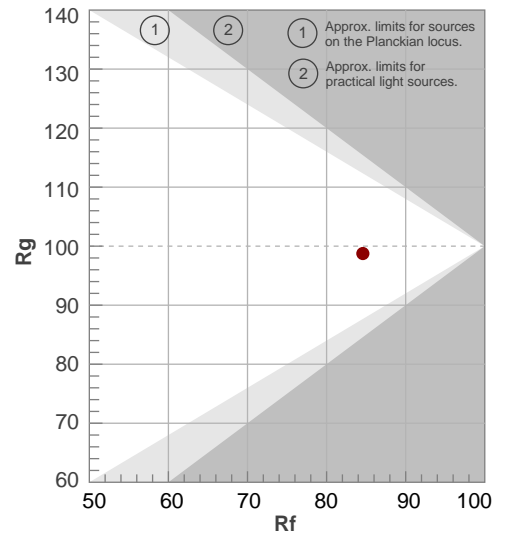
Rf 84.6

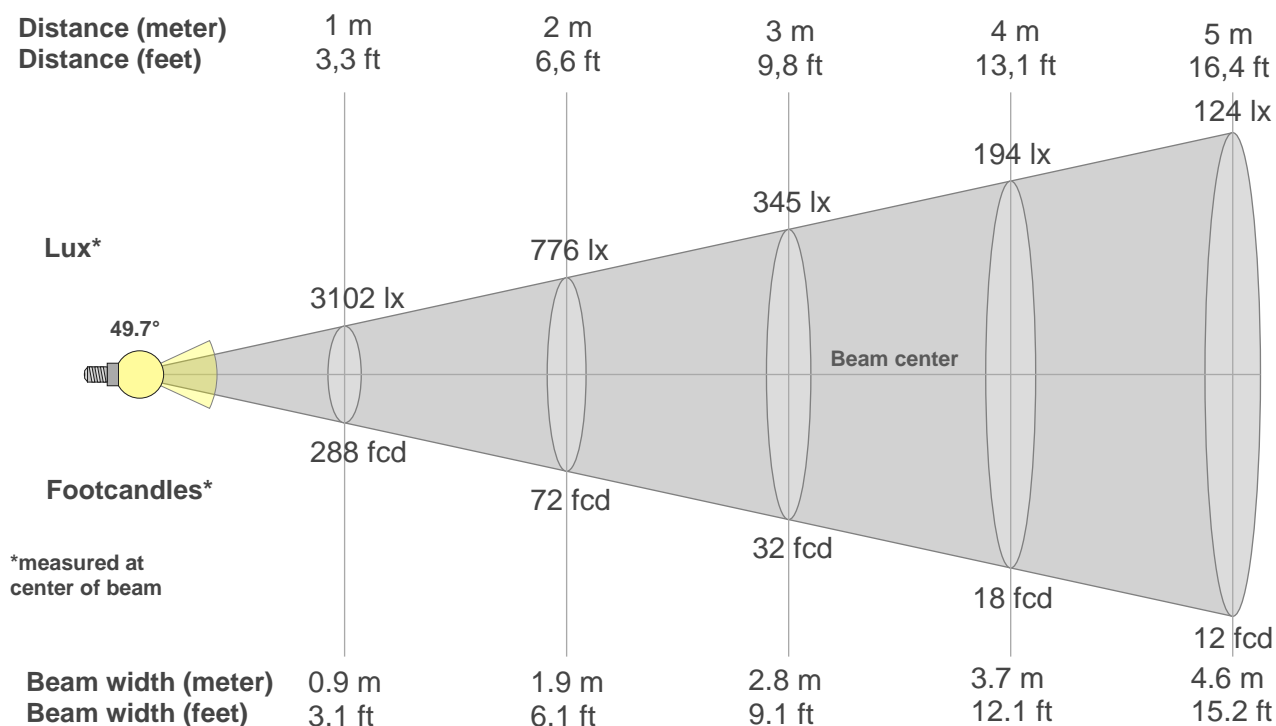
Fidelity index Rf

Rg 98.8

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	82	-10%	-1%
2	82	-8%	7%
3	76	-2%	12%
4	86	3%	8%
5	91	4%	5%
6	90	6%	-2%
7	86	-1%	-8%
8	93	-2%	-4%
9	90	-6%	2%
10	83	-5%	8%
11	80	-1%	13%
12	86	8%	4%
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
3102lx	776lx	345lx	194lx	124lx	86lx	63lx	48lx	38lx	31lx	26lx	22lx	18lx	16lx	14lx	12lx	11lx	10lx	9lx	8lx
288.2fcd	72.1fcd	32fcd	18fcd	11.5fcd	8fcd	5.9fcd	4.5fcd	3.6fcd	2.9fcd	2.4fcd	2fcd	1.7fcd	1.5fcd	1.3fcd	1.1fcd	1fcd	0.9fcd	0.8fcd	0.7fcd

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°
3102	3089	3045	2975	2880	2763	2623	2467	2302	2130	1955	1785	1616	1455	1303	1159	1027	906	796	695
100%	100%	98%	96%	93%	89%	85%	80%	74%	69%	63%	58%	52%	47%	42%	37%	33%	29%	26%	22%

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°
3102	3089	3045	2970	2871	2751	2613	2462	2296	2128	1960	1789	1626	1468	1318	1177	1043	922	811	710
100%	100%	98%	96%	93%	89%	84%	79%	74%	69%	63%	58%	52%	47%	42%	38%	34%	30%	26%	23%

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°
3102	3079	3030	2956	2857	2732	2592	2440	2279	2111	1944	1777	1614	1457	1310	1169	1041	923	814	714
100%	99%	98%	95%	92%	88%	84%	79%	73%	68%	63%	57%	52%	47%	42%	38%	34%	30%	26%	23%

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°
3102	3088	3046	2976	2880	2757	2619	2468	2305	2134	1962	1793	1628	1467	1314	1174	1043	923	813	711
100%	100%	98%	96%	93%	89%	84%	80%	74%	69%	63%	58%	52%	47%	42%	38%	34%	30%	26%	23%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
49.7°	97.8°	121.9°	97.6%	86.9%