

Light efficiency:

80 Lumen/Watt

Light quality:

CRI: 84.1

Color temperature:

3080 K

Output: 2730 lm

Peak: 2555 cd

Power: 34.0 W

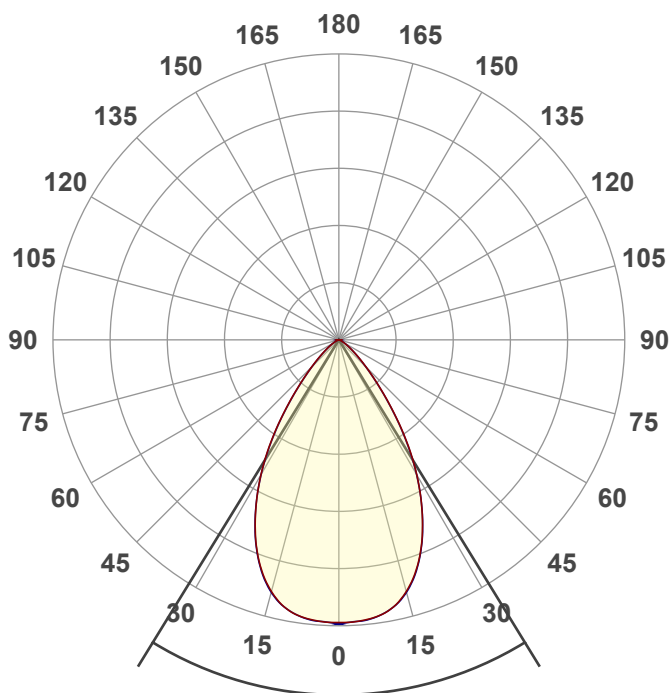
PF: 0.98



NU4-RD-TW-30LM-2750-80-65D-HET-WH-WH

Date and time:

4/3/2023 12:24:22 PM



Beam angle

63.2°

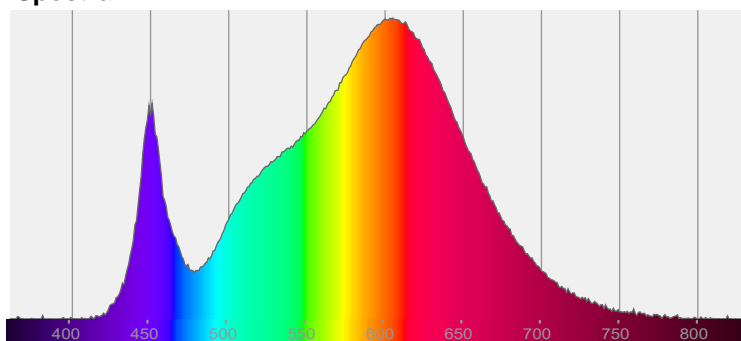


CIE 1931

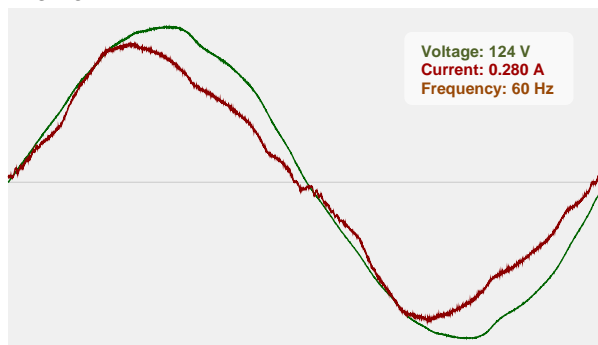
x: 0.428

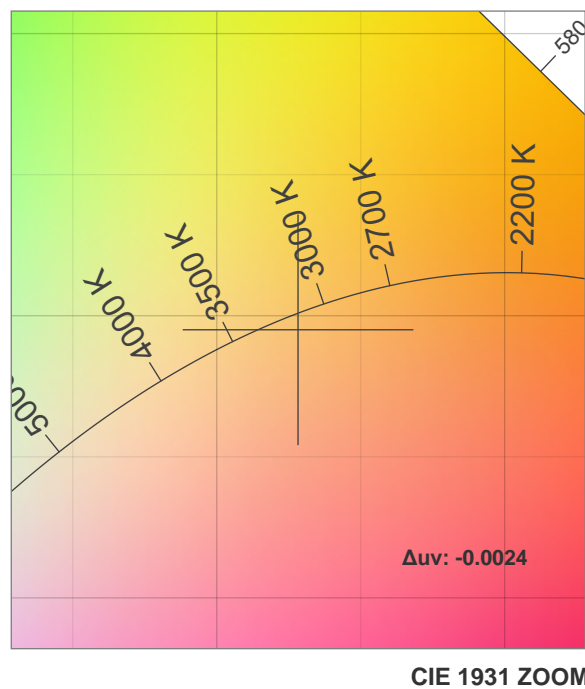
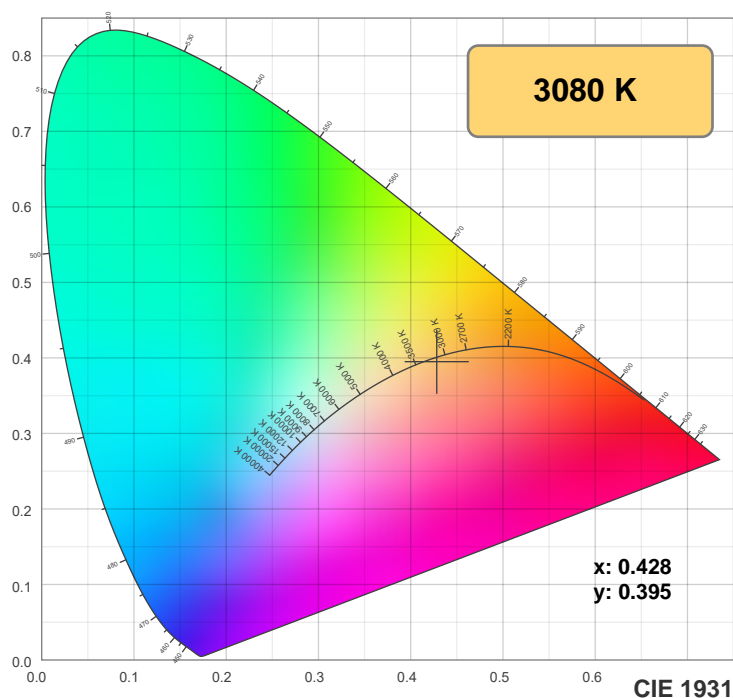
y: 0.395

Spectra

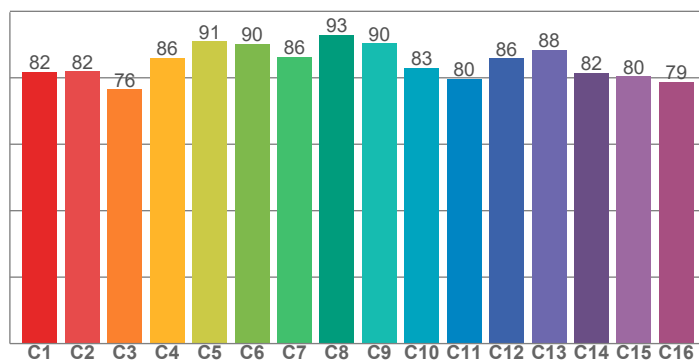


Power

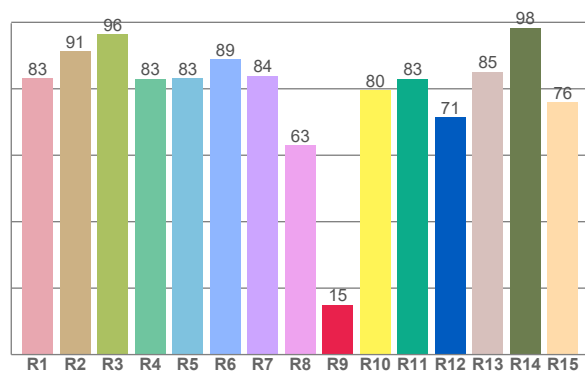




TM30: 84.6



CRI: 84.1 (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
83.1	91.2	96.5	83.1	83.1	88.9	83.9	62.9	15.0	79.6	83.1	71.4	85.1	98.4	76.0

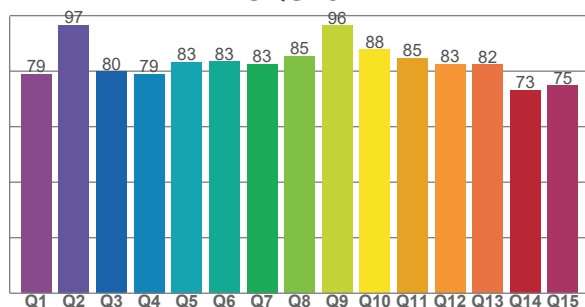
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
81.8	82.0	76.5	86.0	91.0	90.2	86.3	92.9	90.3	83.0	79.6	85.8	88.5	81.5	80.4	78.8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
78.9	96.5	79.9	78.9	83.3	83.5	82.5	85.4	96.4	87.7	84.7	82.5	82.4	73.1	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
3080 K	84.1	15.0	84.6	98.7	82.1	0.428	0.395	0.249	0.344	-0.0024

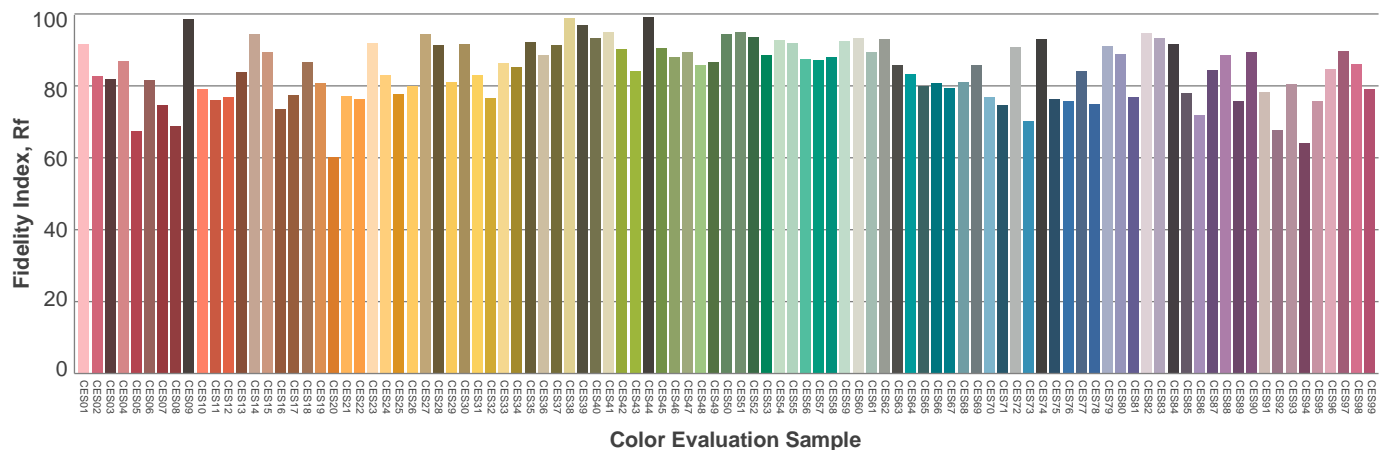
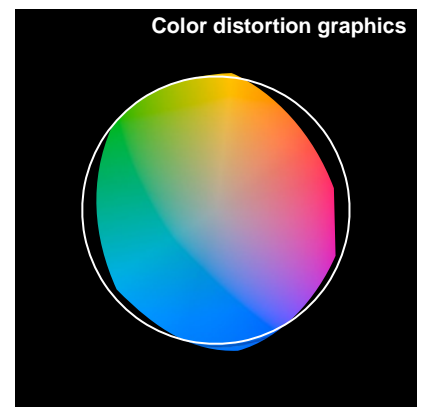
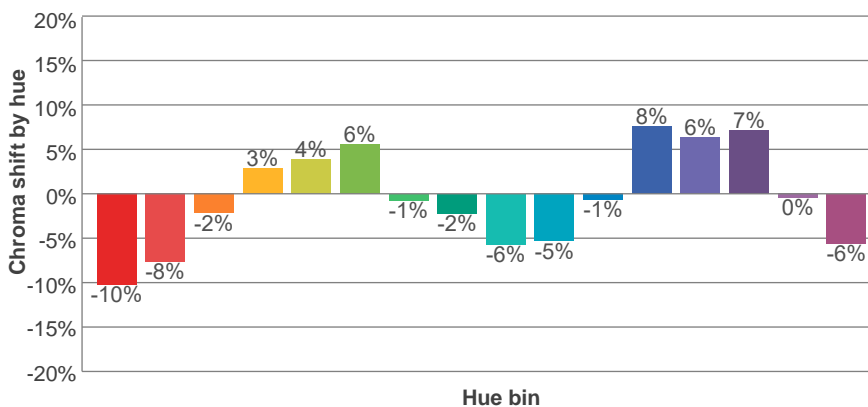
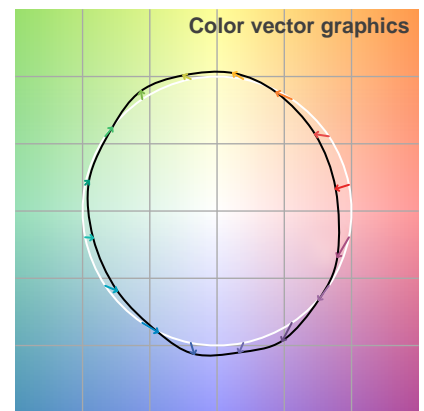
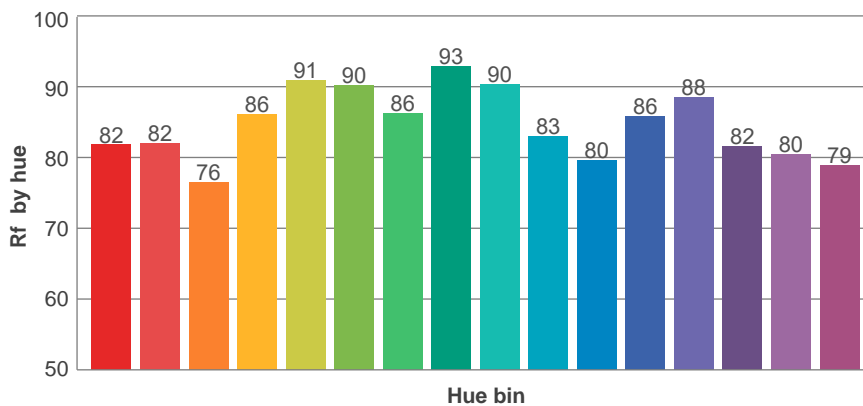
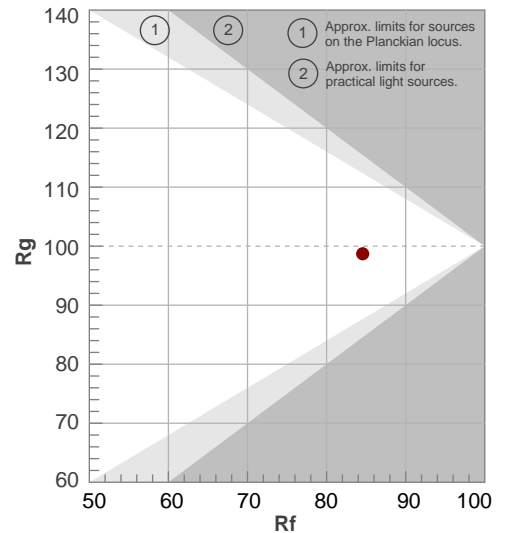
Rf 84.6

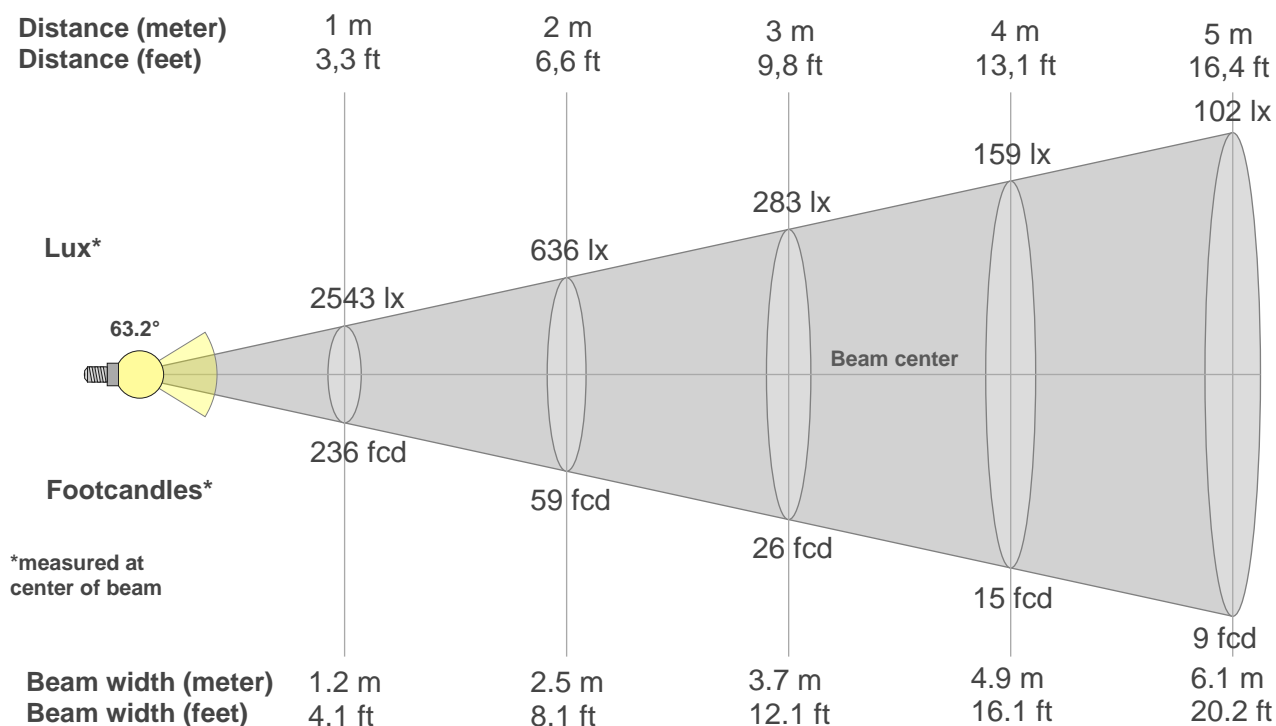
Fidelity index Rf

Rg 98.7

Gammut 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
2543lx	636lx	283lx	159lx	102lx	71lx	52lx	40lx	31lx	25lx	21lx	18lx	15lx	13lx	11lx	10lx	9lx	8lx	7lx	6lx
236.3fcd	59.1fcd	26.3fcd	14.8fcd	9.5fcd	6.6fcd	4.8fcd	3.7fcd	2.9fcd	2.4fcd	2fcd	1.6fcd	1.4fcd	1.2fcd	1.1fcd	0.9fcd	0.8fcd	0.7fcd	0.7fcd	0.6fcd

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°
2543	2542	2535	2525	2508	2482	2439	2376	2300	2210	2105	1983	1848	1705	1556	1402	1240	1074	908	750
100%	100%	100%	99%	99%	98%	96%	93%	90%	87%	83%	78%	73%	67%	61%	55%	49%	42%	36%	29%

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°
2543	2543	2537	2528	2510	2481	2439	2382	2308	2219	2109	1986	1852	1707	1556	1396	1230	1062	896	738
100%	100%	100%	99%	99%	98%	96%	94%	91%	87%	83%	78%	73%	67%	61%	55%	48%	42%	35%	29%

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°
2543	2542	2535	2525	2508	2482	2439	2376	2300	2210	2105	1983	1848	1705	1556	1402	1240	1074	908	750
100%	100%	100%	99%	99%	98%	96%	93%	90%	87%	83%	78%	73%	67%	61%	55%	49%	42%	36%	29%

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°
2543	2543	2537	2528	2510	2481	2439	2382	2308	2219	2109	1986	1852	1707	1556	1396	1230	1062	896	738
100%	100%	100%	99%	99%	98%	96%	94%	91%	87%	83%	78%	73%	67%	61%	55%	48%	42%	35%	29%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
63.2°	95.3°	118°	98.6%	91.1%