

Light efficiency:

81 Lumen/Watt

Light quality:

CRI: 81.5

Color temperature:

3053 K

Output: 2122 lm

Peak: 4925 cd

Power: 26.1 W

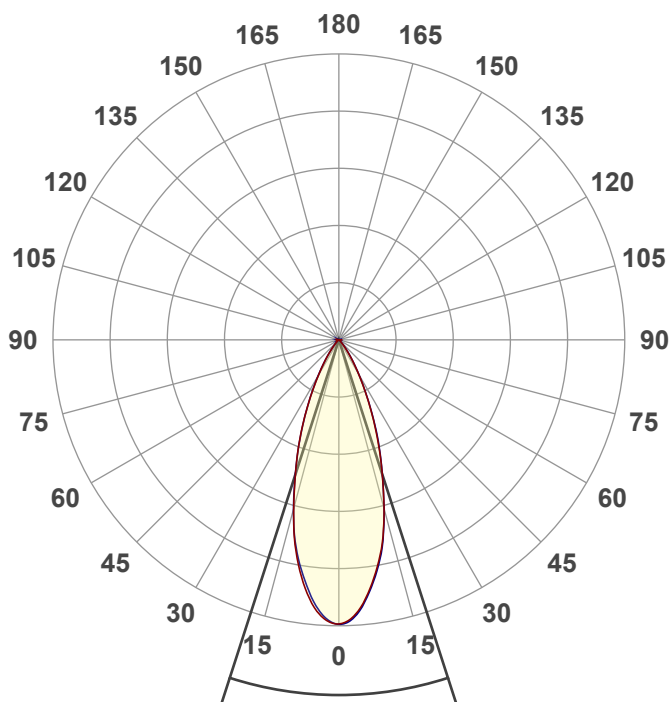
PF: 0.98



NU3-RDDR-SW-30LM-30K-80-25D-DL-SA

Date and time:

4/4/2022 9:49:46 AM



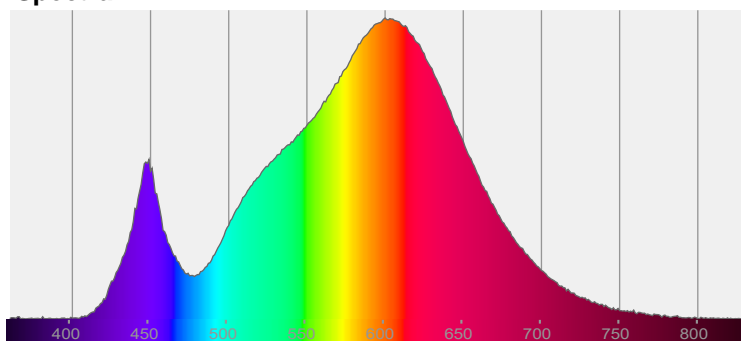
Beam angle

35.8°



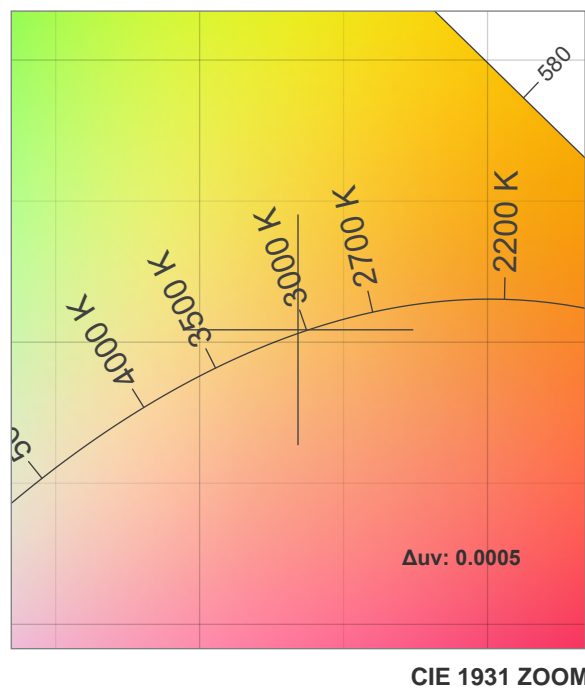
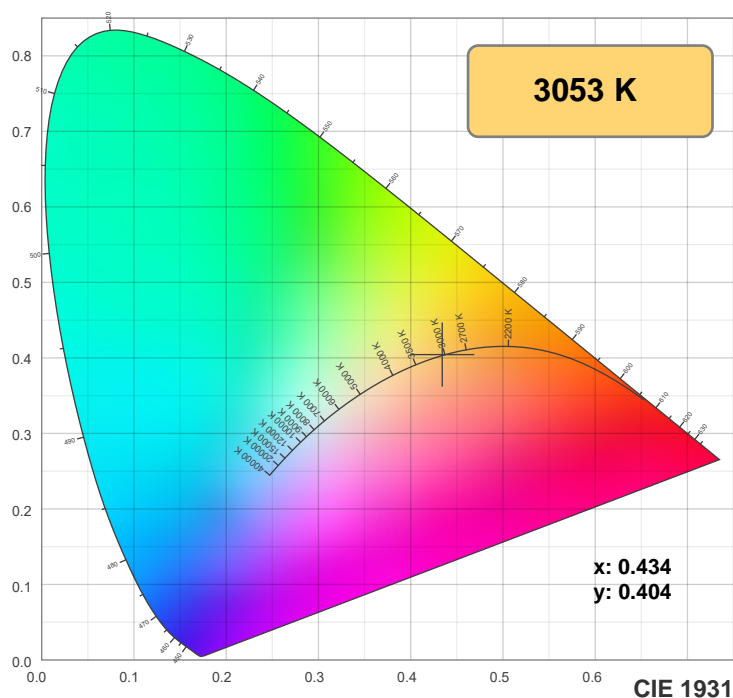
CIE 1931
x: 0.434
y: 0.404

Spectra

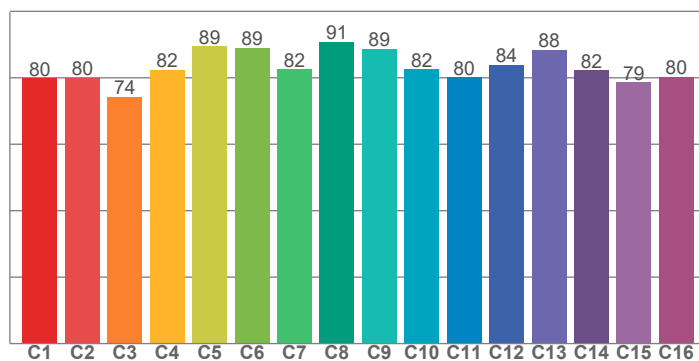


Power

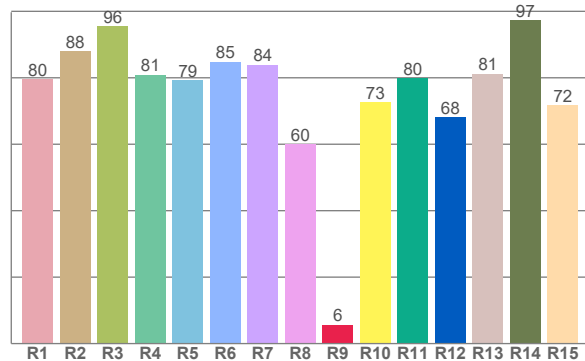
Voltage: 122 V
Current: 0.213 A
Frequency: 0 Hz



TM30: 83.2



CRI: 81.5 (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	88.0	95.6	80.9	79.3	84.8	84.0	60.0	5.6	72.5	79.9	68.1	81.3	97.4	71.8

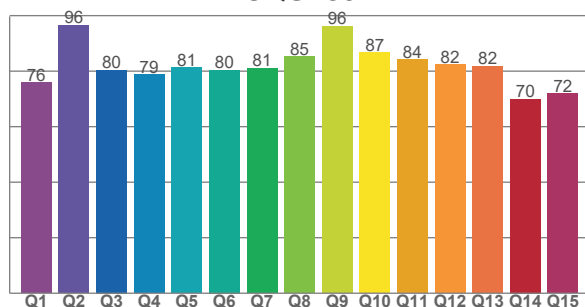
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
79.9	80.0	74.3	82.3	89.5	89.0	82.5	90.7	88.7	82.5	80.1	83.8	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
75.9	96.5	80.5	78.8	81.3	80.4	81.0	85.3	96.1	86.8	84.2	82.4	81.7	70.0	71.9

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
3053 K	81.5	5.6	83.2	97.8	80.7	0.434	0.404	0.249	0.347	0.0005

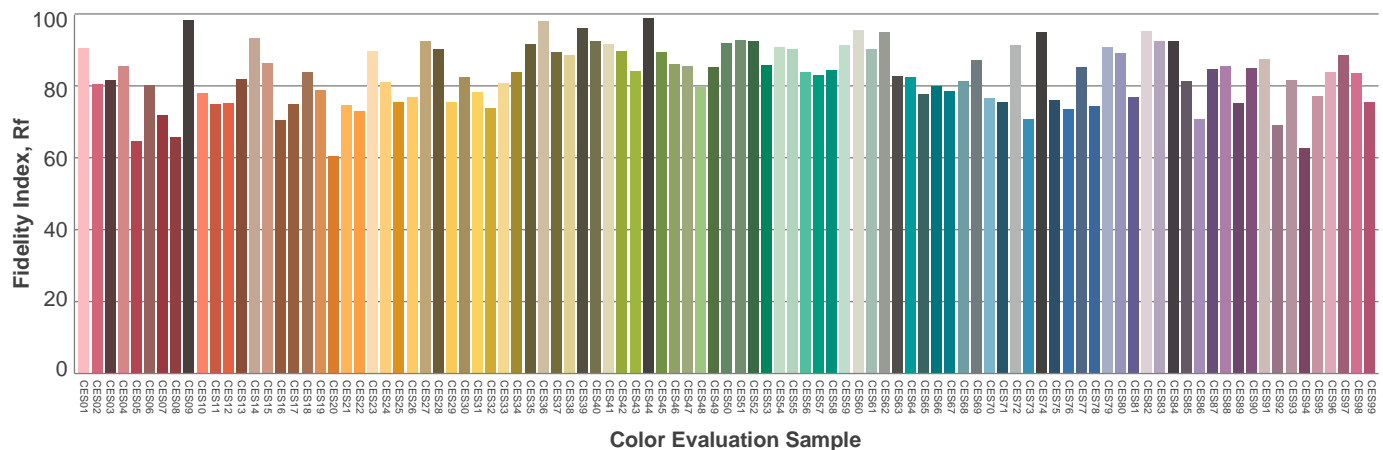
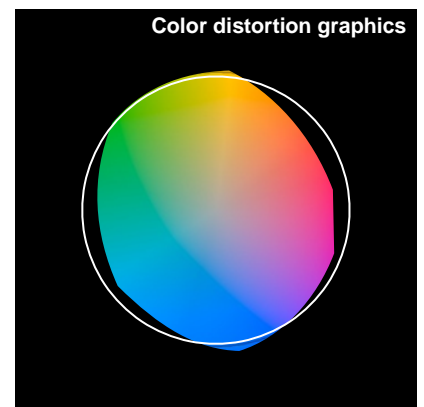
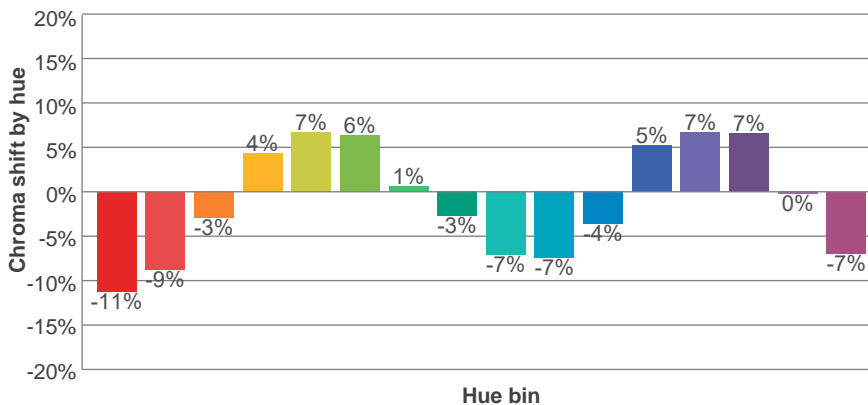
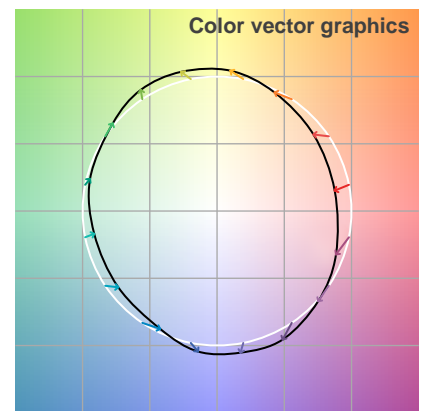
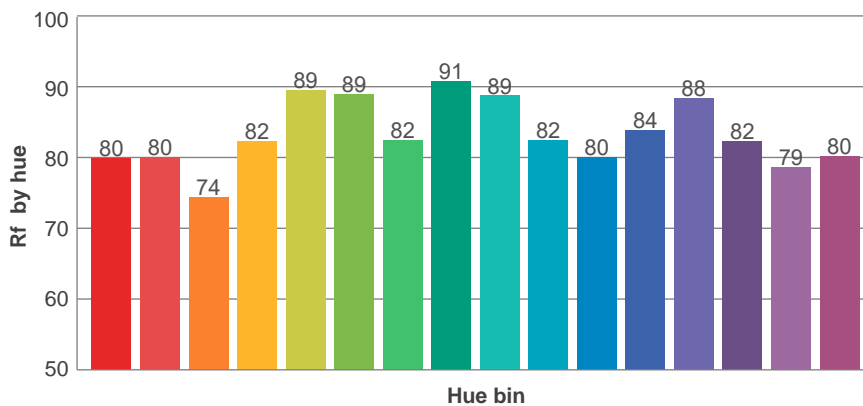
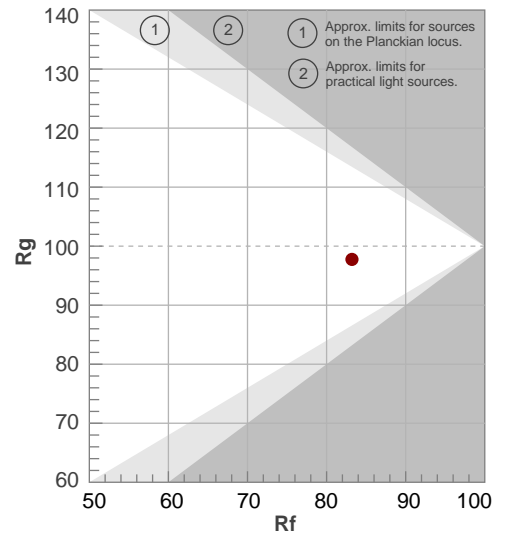
Rf 83.2

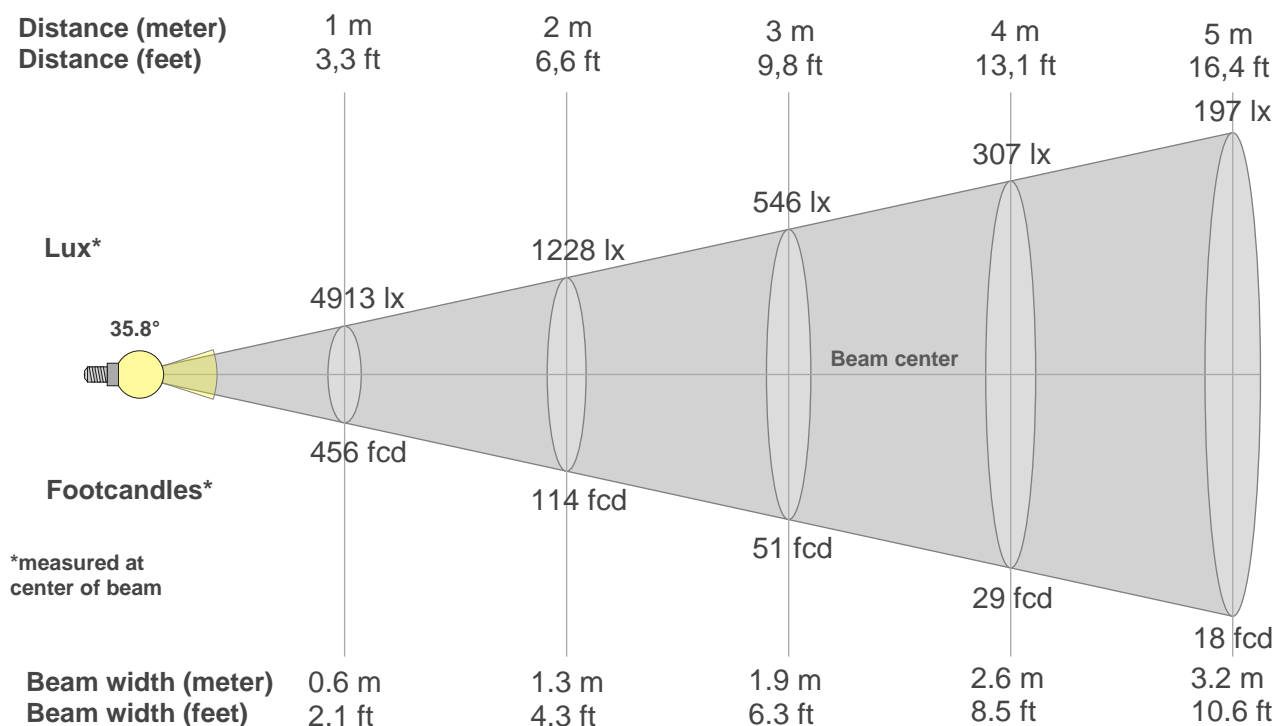
Fidelity index Rf

Rg 97.8

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	80	-11%	-2%
2	80	-9%	7%
3	74	-3%	13%
4	82	4%	11%
5	89	7%	6%
6	89	6%	-3%
7	82	1%	-11%
8	91	-3%	-5%
9	89	-7%	-1%
10	82	-7%	6%
11	80	-4%	14%
12	84	5%	7%
13	88	7%	-3%
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
4913lx	1228lx	546lx	307lx	197lx	136lx	100lx	77lx	61lx	49lx	41lx	34lx	29lx	25lx	22lx	19lx	17lx	15lx	14lx	12lx
456.5fcd	114.1fcd	50.7fcd	28.5fcd	18.3fcd	12.7fcd	9.3fcd	7.1fcd	5.6fcd	4.6fcd	3.8fcd	3.2fcd	2.7fcd	2.3fcd	2fcd	1.8fcd	1.6fcd	1.4fcd	1.3fcd	1.1fcd

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°
4913	4857	4704	4482	4216	3923	3608	3223	2821	2433	2072	1728	1416	1140	899	692	517	384	274	188
100%	99%	96%	91%	86%	80%	73%	66%	57%	50%	42%	35%	29%	23%	18%	14%	11%	8%	6%	4%

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°
4913	4884	4735	4509	4245	3955	3631	3229	2817	2437	2089	1760	1434	1146	900	694	525	392	287	205
100%	99%	96%	92%	86%	80%	74%	66%	57%	50%	43%	36%	29%	23%	18%	14%	11%	8%	6%	4%

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°
4913	4873	4754	4560	4299	3987	3634	3234	2822	2435	2092	1765	1454	1168	917	702	540	406	295	207
100%	99%	97%	93%	87%	81%	74%	66%	57%	50%	43%	36%	30%	24%	19%	14%	11%	8%	6%	4%

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°
4913	4851	4705	4487	4214	3925	3602	3233	2833	2436	2085	1754	1445	1167	924	717	548	409	295	202
100%	99%	96%	91%	86%	80%	73%	66%	58%	50%	42%	36%	29%	24%	19%	15%	11%	8%	6%	4%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
35.8°	65.2°	81.1°	99.7%	98.9%