

Light efficiency:

80 Lumen/Watt

Light quality:

CRI: 81.1

Color temperature:

3052 K

Output: 2681 lm

Peak: 2973 cd

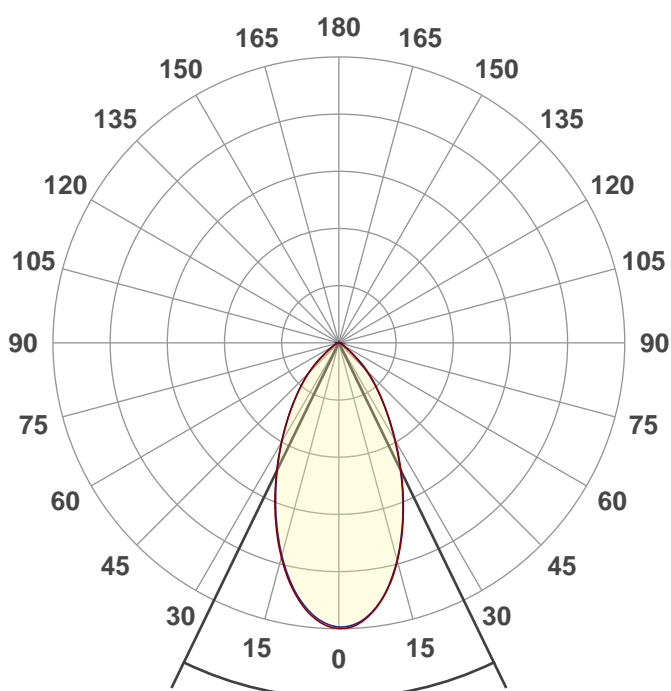
Power: 33.3 W

PF: 0.98



NU3-RD-SW-35LM-30K-80-50D-120-DIM10-NC-WH-WH

Date and time:
11/9/2020 10:02:13 AM



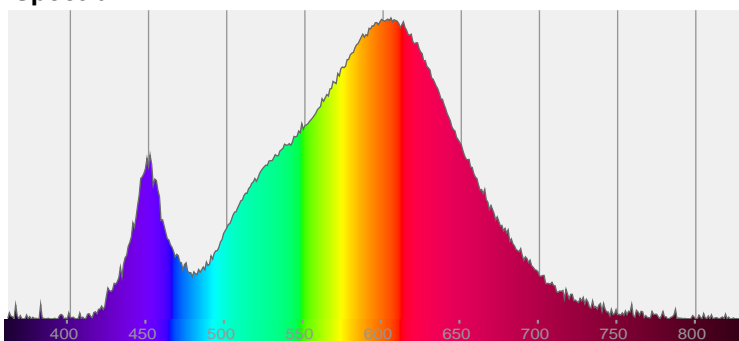
Beam angle

51.7°

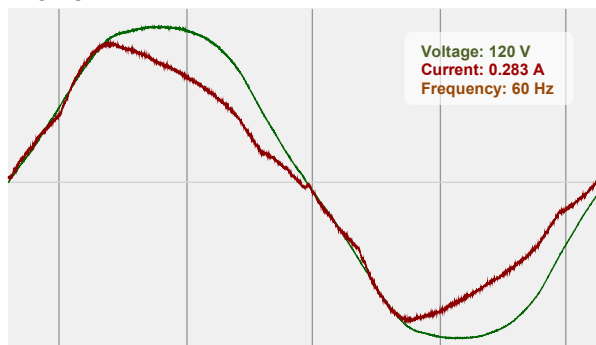


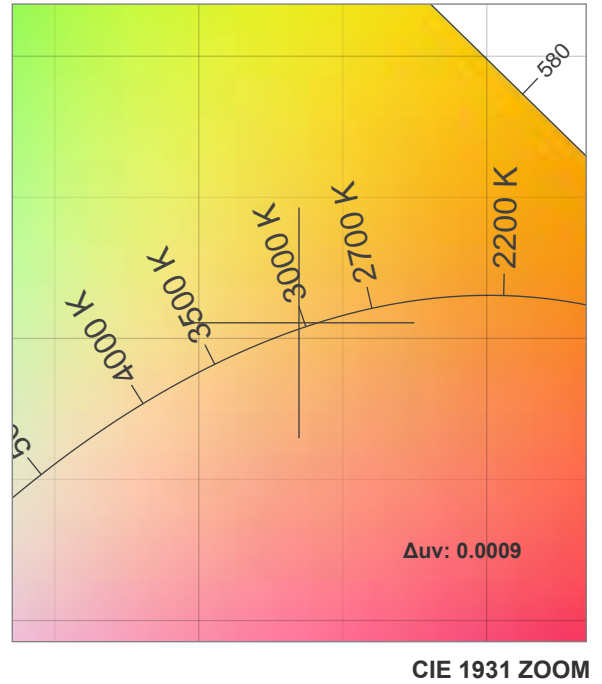
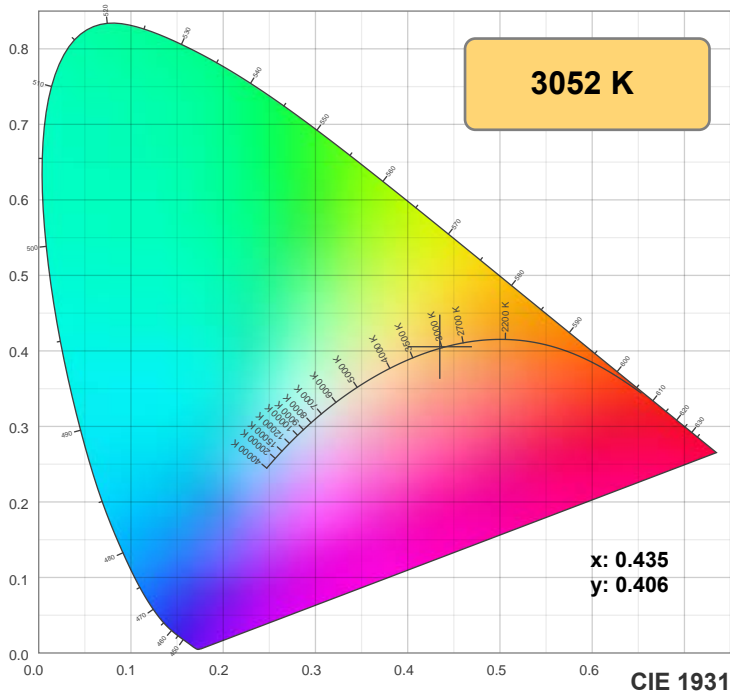
CIE 1931
x: 0.435
y: 0.406

Spectra

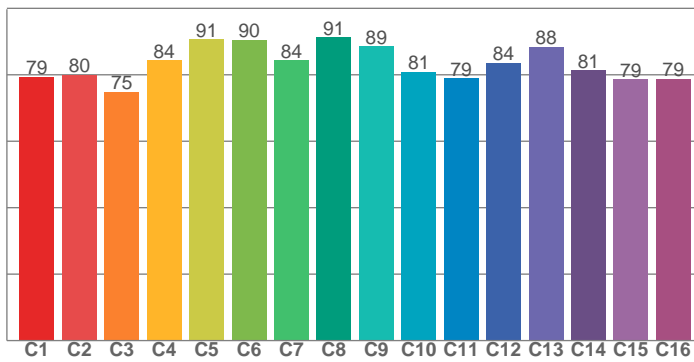


Power

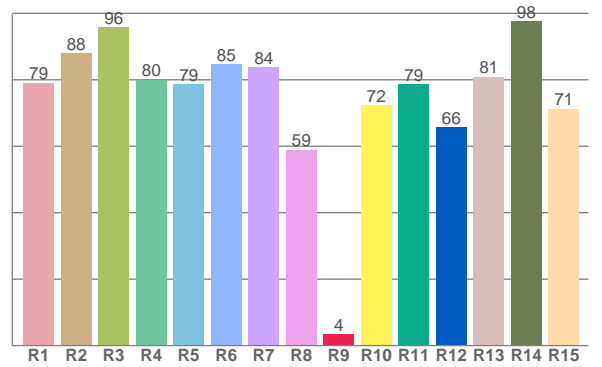




TM30: 83.3



CRI: 81.1 (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
79.1	88.1	95.8	80.0	78.7	84.7	83.7	59.0	3.5	72.4	78.6	65.7	80.9	97.6	71.3

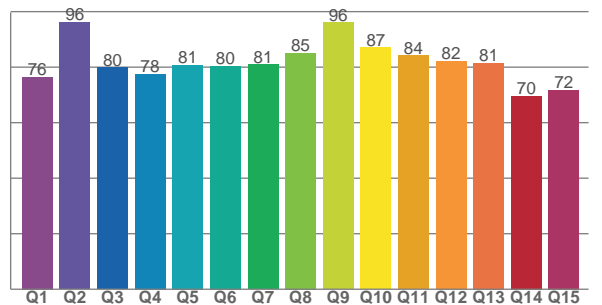
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
79.3	79.9	74.8	84.4	90.6	90.4	84.3	91.3	88.6	80.9	78.9	83.6	88.4	81.3	78.6	78.7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
76.4	96.2	79.9	77.6	80.7	80.5	80.9	85.1	96.1	87.0	84.2	82.2	81.5	69.5	71.8

CQS: 80.5



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
3052 K	81.1	3.5	83.3	96.8	80.5	0.435	0.406	0.249	0.348	0.0009

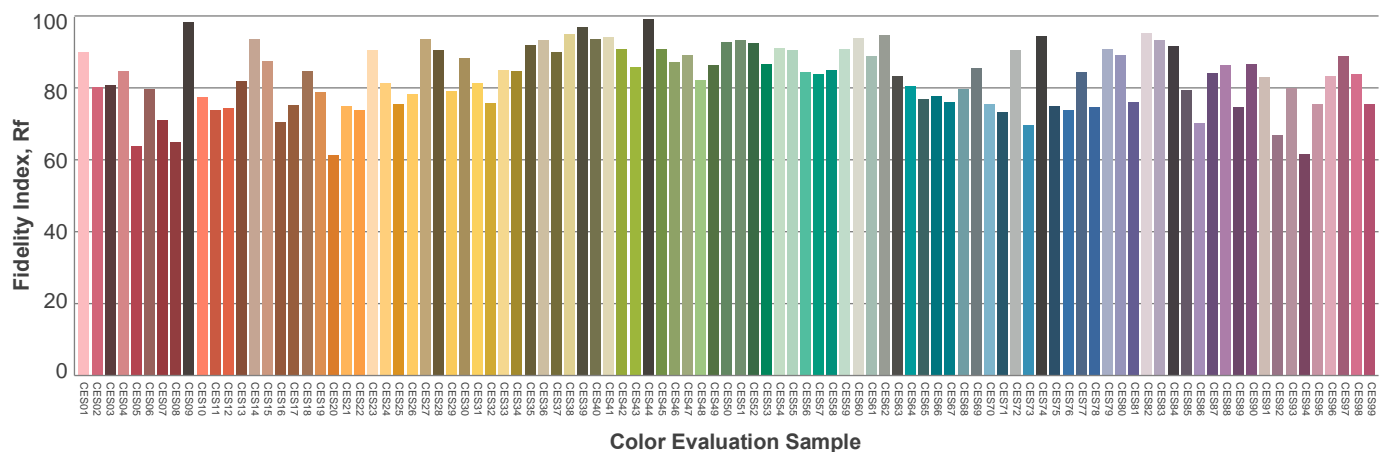
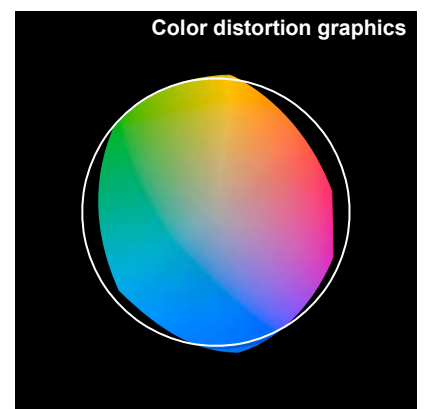
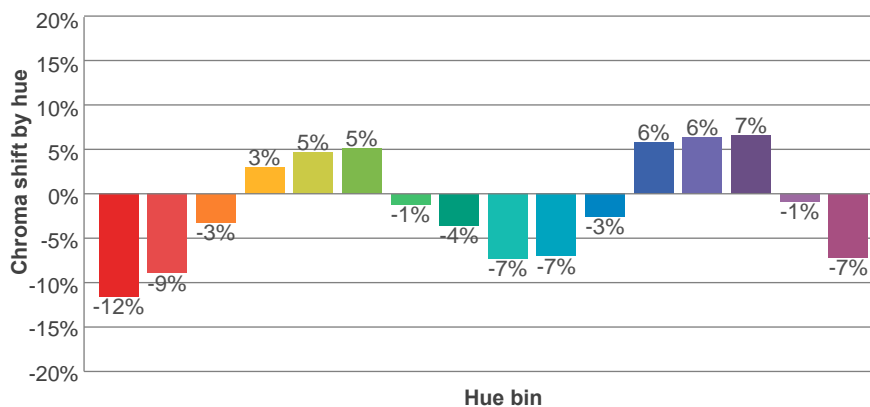
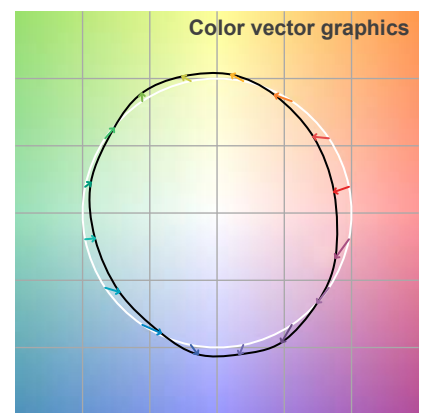
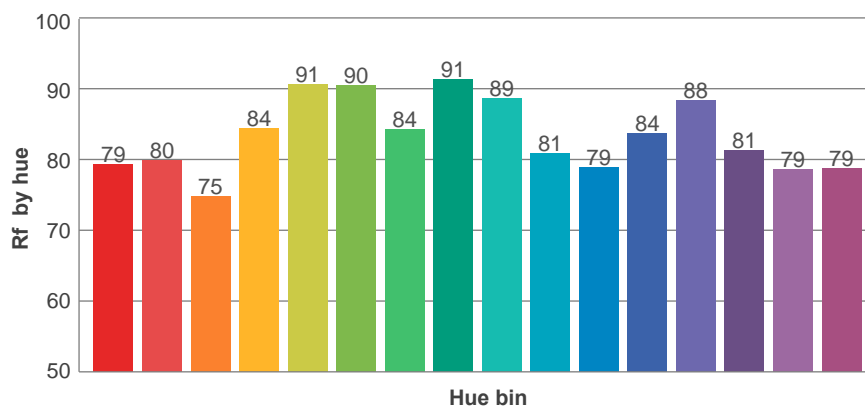
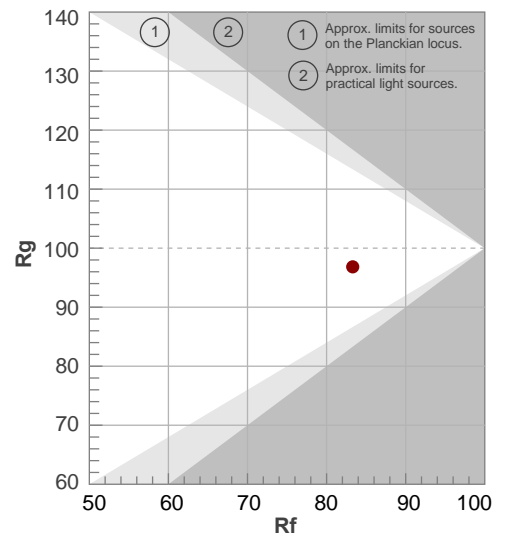
Rf 83.3

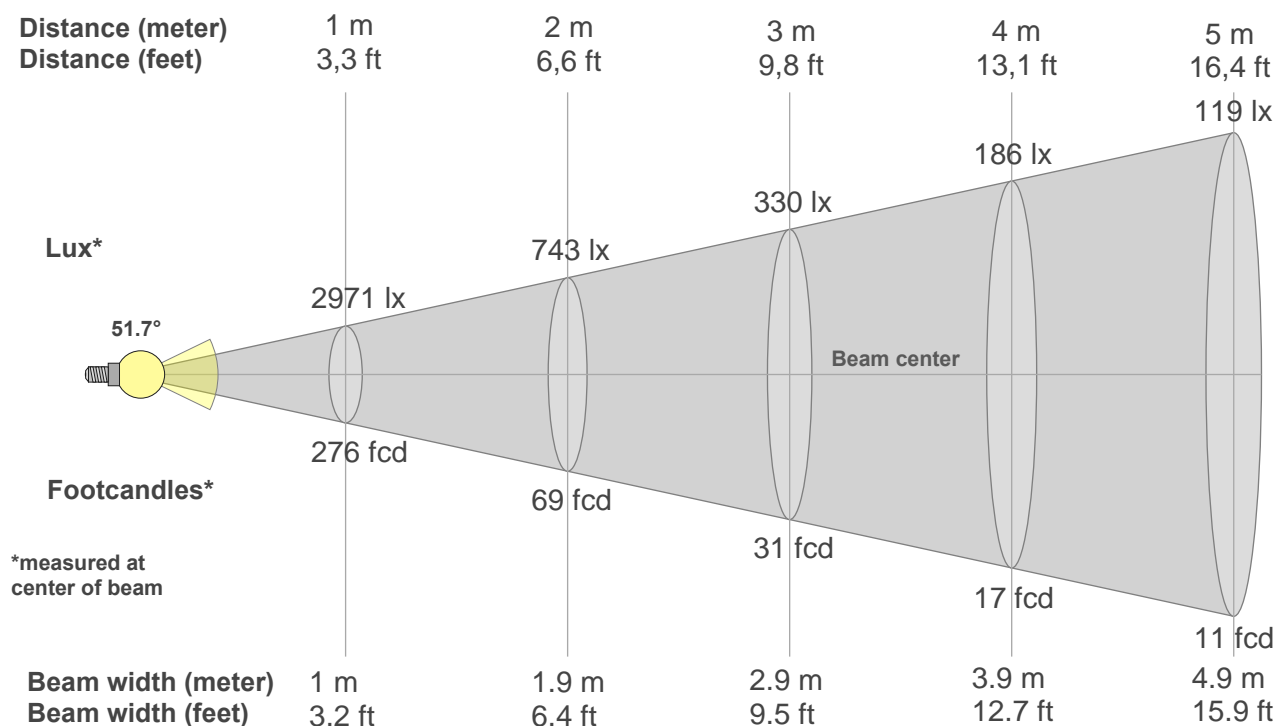
Fidelity index Rf

Rg 96.8

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	79	-12%	-2%
2	80	-9%	7%
3	75	-3%	13%
4	84	3%	10%
5	91	5%	5%
6	90	5%	-3%
7	84	-1%	-10%
8	91	-4%	-4%
9	89	-7%	1%
10	81	-7%	8%
11	79	-3%	15%
12	84	6%	6%
13	88	6%	-4%
14	81	7%	-13%
15	79	-1%	-14%
16	79	-7%	-15%





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
2971lx	743lx	330lx	186lx	119lx	83lx	61lx	46lx	37lx	30lx	25lx	21lx	18lx	15lx	13lx	12lx	10lx	9lx	8lx	7lx
276fcd	69fcd	30.7fcd	17.3fcd	11fcd	7.7fcd	5.6fcd	4.3fcd	3.4fcd	2.8fcd	2.3fcd	1.9fcd	1.6fcd	1.4fcd	1.2fcd	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°
2971	2969	2936	2869	2800	2685	2570	2432	2281	2128	1964	1800	1641	1483	1330	1190	1050	932	819	715
100%	100%	99%	97%	94%	90%	86%	82%	77%	72%	66%	61%	55%	50%	45%	40%	35%	31%	28%	24%

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°
2971	2948	2922	2865	2779	2689	2556	2422	2272	2113	1954	1790	1627	1470	1316	1170	1042	913	806	702
100%	99%	98%	96%	94%	91%	86%	82%	76%	71%	66%	60%	55%	49%	44%	39%	35%	31%	27%	24%

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°
2971	2968	2909	2850	2758	2648	2532	2390	2248	2097	1942	1788	1635	1483	1344	1206	1079	964	849	753
100%	100%	98%	96%	93%	89%	85%	80%	76%	71%	65%	60%	55%	50%	45%	41%	36%	32%	29%	25%

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°
2971	2934	2896	2826	2735	2637	2505	2374	2227	2075	1922	1769	1615	1472	1331	1197	1073	950	848	746
100%	99%	97%	95%	92%	89%	84%	80%	75%	70%	65%	60%	54%	50%	45%	40%	36%	32%	29%	25%

Beam angle 50°	Field angle 10°	Cutoff angle 2,5°	Intensity ratio in 120° cone	Intensity ratio in 90° cone
{B_ANG}°	96.9°	117.4°	97.8%	88.5%