

Light efficiency:

81 Lumen/Watt

Light quality:

CRI: 81.2

Color temperature:

3051 K

Output: 2706 lm

Peak: 4168 cd

Power: 33.4 W

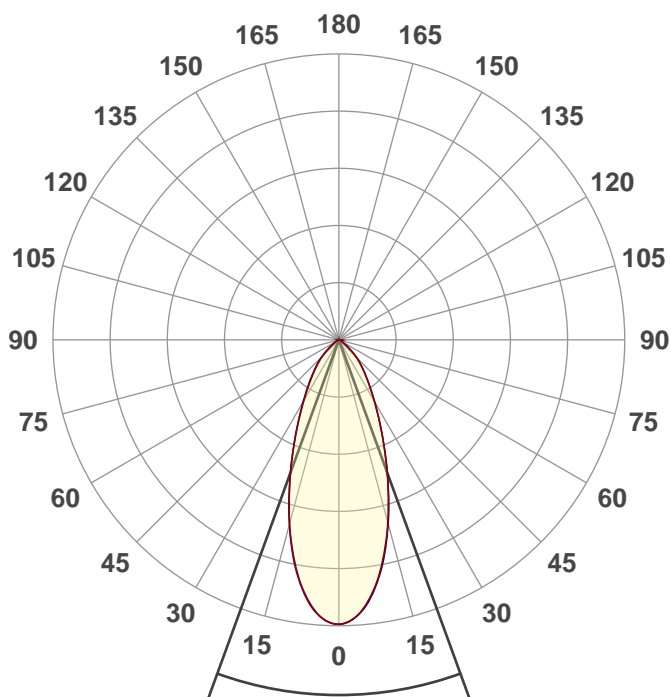
PF: 0.98



NU3-RD-SW-35LM-30K-80-40D-120-DIM10-NC-WH-WH

Date and time:

11/9/2020 9:37:35 AM



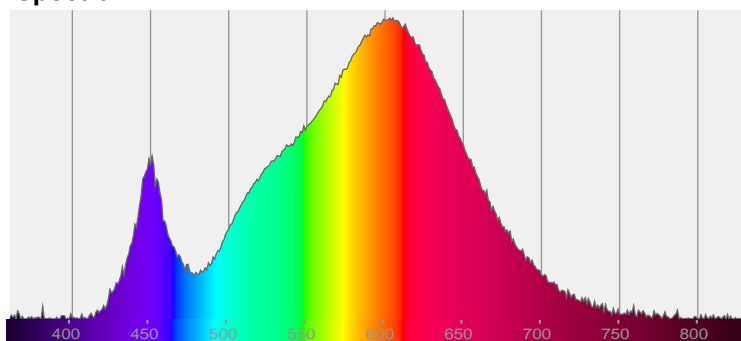
Beam angle

40°

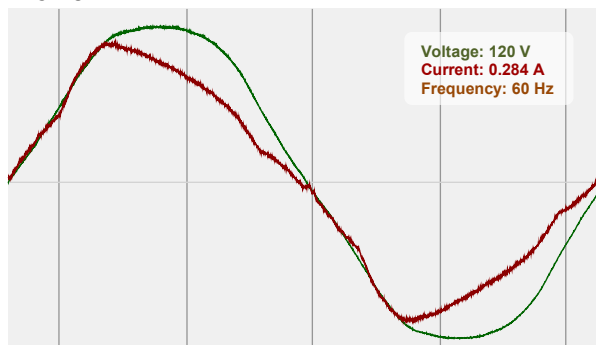


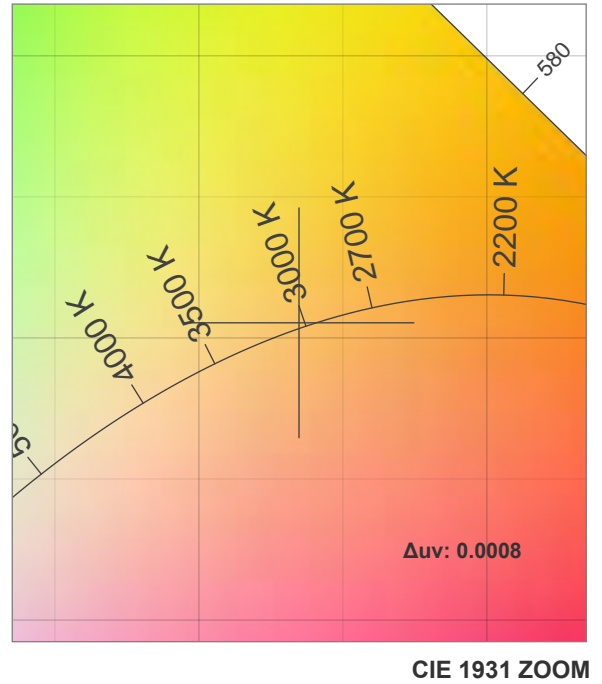
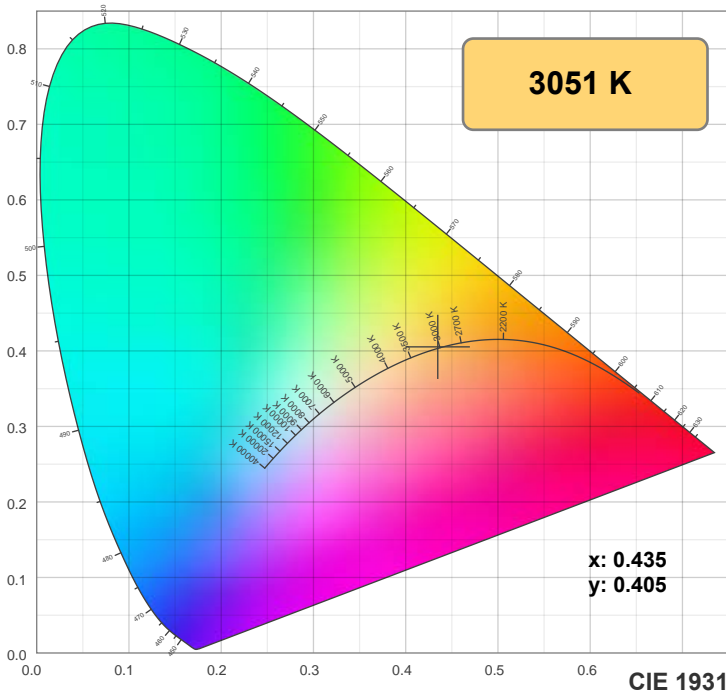
CIE 1931
x: 0.435
y: 0.405

Spectra

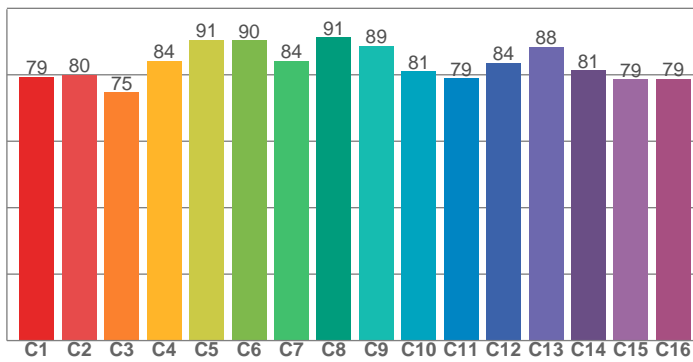


Power

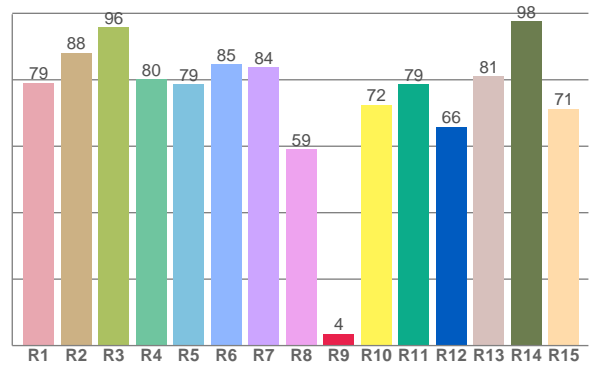




TM30: 83.3



CRI: 81.2 (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
79.1	88.1	95.8	80.1	78.7	84.7	83.7	59.0	3.6	72.5	78.7	65.8	81.0	97.5	71.3

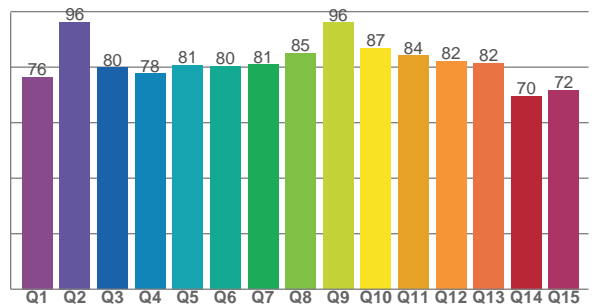
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
79.4	79.9	74.8	84.2	90.6	90.3	84.2	91.3	88.6	81.0	78.9	83.6	88.4	81.4	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	77.7	80.7	80.5	80.9	85.1	96.1	87.0	84.2	82.3	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
3051 K	81.2	3.6	83.3	96.9	80.5	0.435	0.405	0.249	0.348	0.0008

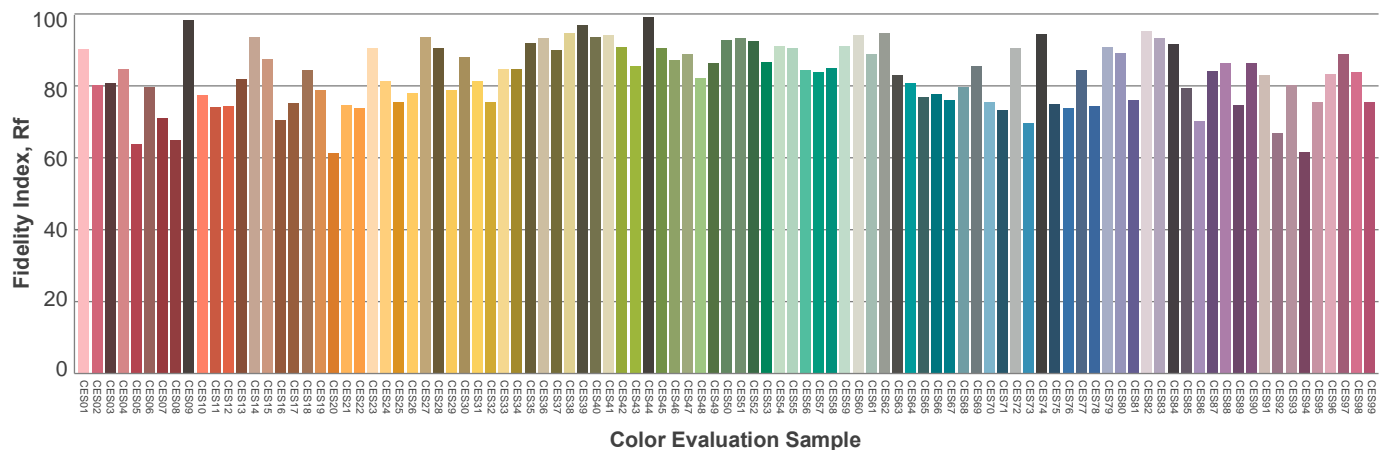
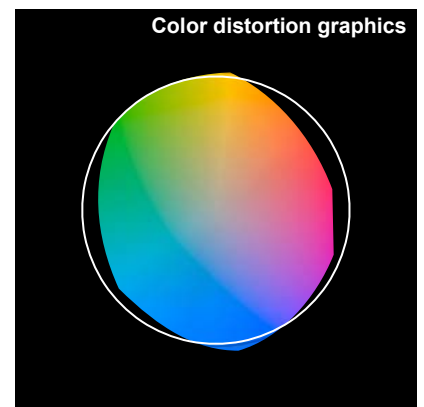
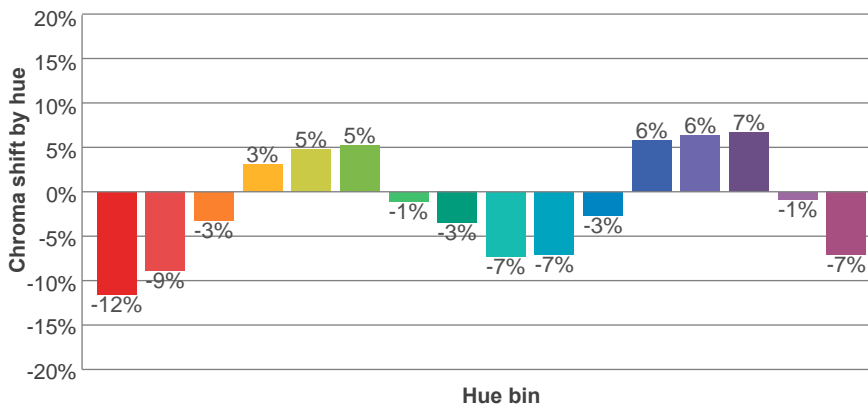
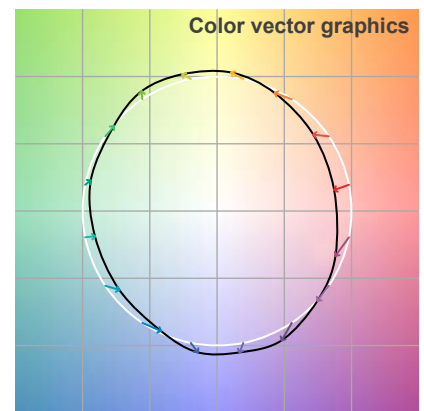
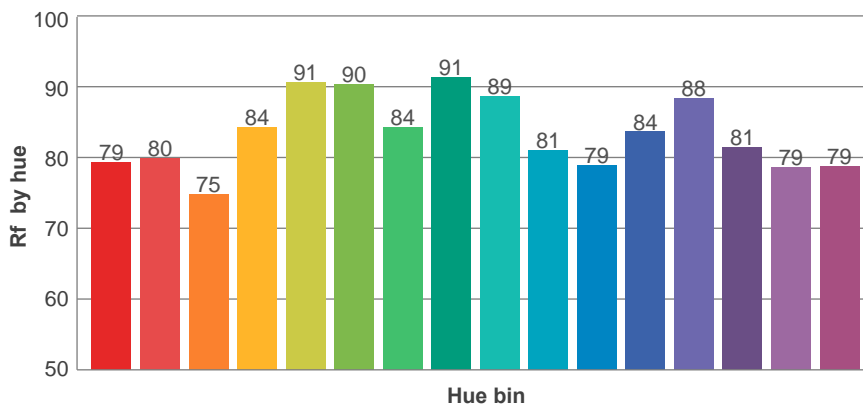
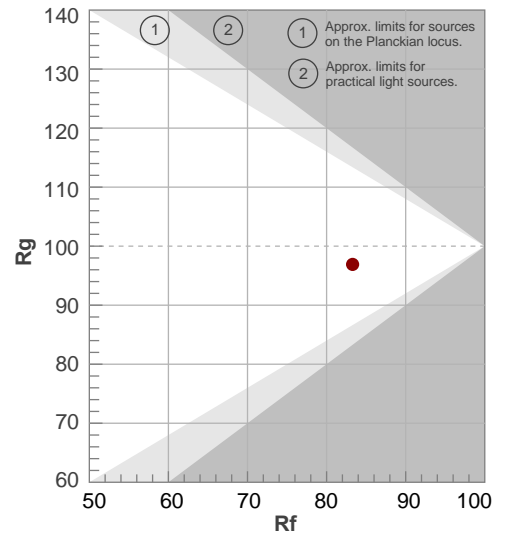
Rf 83.3

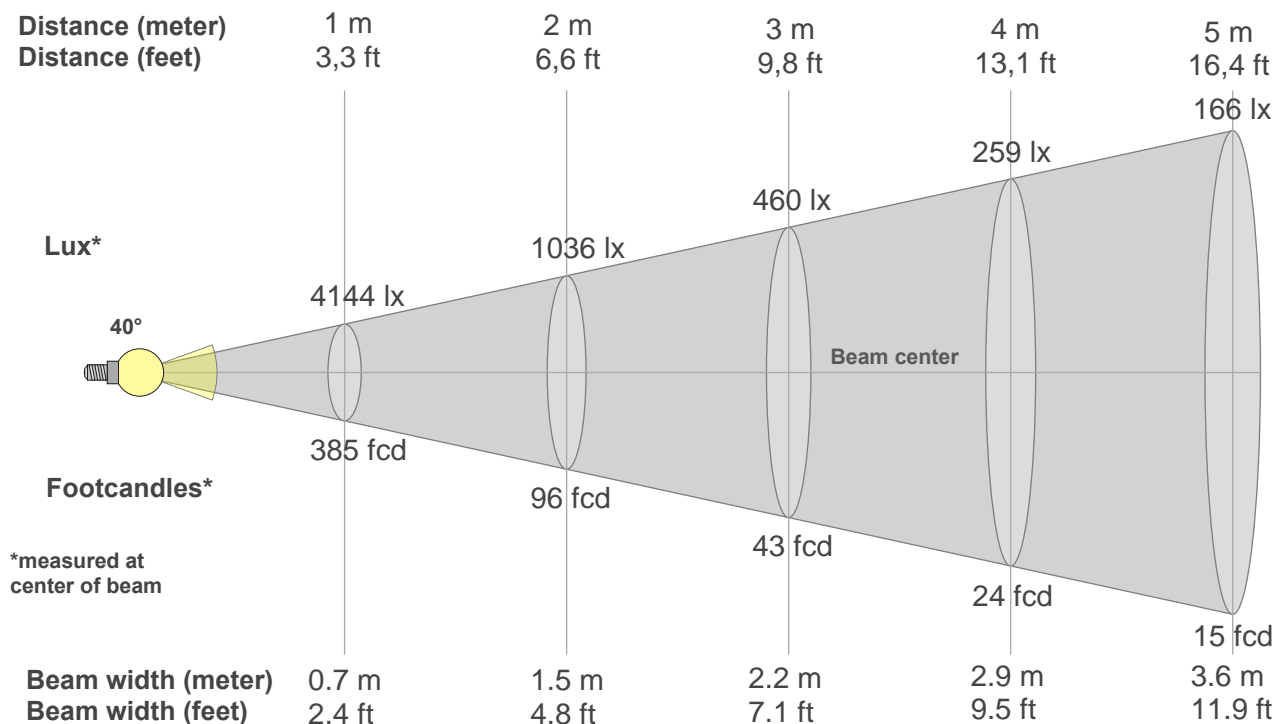
Fidelity index Rf

Rg 96.9

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%	6%
6	90	5%	-3%
7	84	-1%	-10%
8	91	-3%	-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
4144lx	1036lx	460lx	259lx	166lx	115lx	85lx	65lx	51lx	41lx	34lx	29lx	25lx	21lx	18lx	16lx	14lx	13lx	11lx	10lx
385fcd	96.2fcd	42.8fcd	24.1fcd	15.4fcd	10.7fcd	7.9fcd	6fcd	4.8fcd	3.8fcd	3.2fcd	2.7fcd	2.3fcd	2fcd	1.7fcd	1.5fcd	1.3fcd	1.2fcd	1.1fcd	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°
4144	4093	4040	3858	3677	3448	3184	2918	2633	2347	2084	1831	1591	1400	1209	1060	925	802	708	614
100%	99%	97%	93%	89%	83%	77%	70%	64%	57%	50%	44%	38%	34%	29%	26%	22%	19%	17%	15%

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°
4144	4111	4011	3902	3685	3468	3212	2931	2650	2368	2086	1837	1604	1386	1218	1050	922	805	700	618
100%	99%	97%	94%	89%	84%	78%	71%	64%	57%	50%	44%	39%	33%	29%	25%	22%	19%	17%	15%

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°
4144	4119	4025	3924	3706	3489	3231	2945	2660	2372	2084	1831	1594	1373	1202	1032	903	787	681	597
100%	99%	97%	95%	89%	84%	78%	71%	64%	57%	50%	44%	38%	33%	29%	25%	22%	19%	16%	14%

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°
4144	4101	4056	3877	3699	3471	3206	2937	2645	2353	2085	1830	1587	1395	1203	1054	922	800	705	611
100%	99%	98%	94%	89%	84%	77%	71%	64%	57%	50%	44%	38%	34%	29%	25%	22%	19%	17%	15%

Beam angle 50°	Field angle 10°	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
{B_ANG}°	86.7°	108.9°	98.1%	90.5%