

Light efficiency:

75 Lumen/Watt

Light quality:

CRI: 81.0

Color temperature:

3073 K

Output: 3030 lm

Peak: 3338 cd

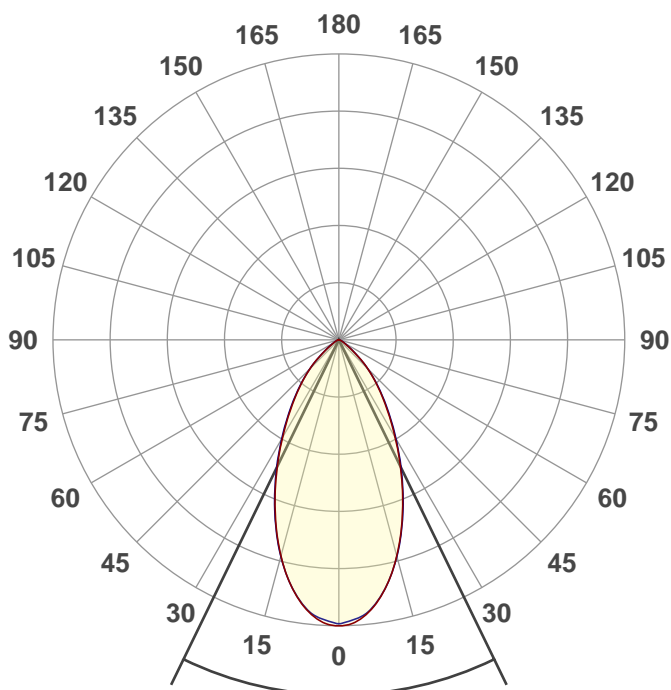
Power: 40.7 W

PF: 0.98



NU3-RD-SW-40LM-30K-80-50D-120-DIM10-NC-WH-WH

Date and time:
11/9/2020 1:25:20 PM



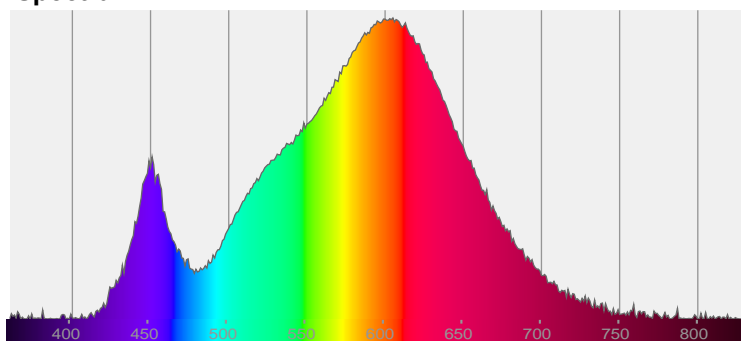
Beam angle

51.9°

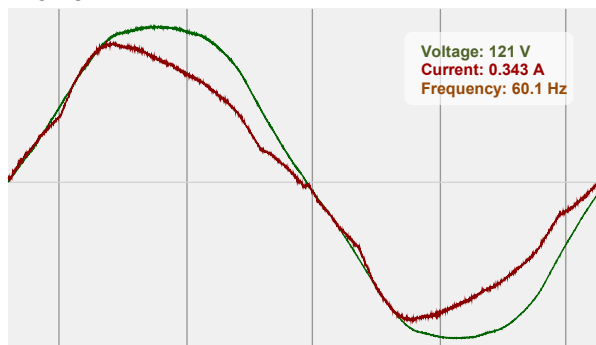


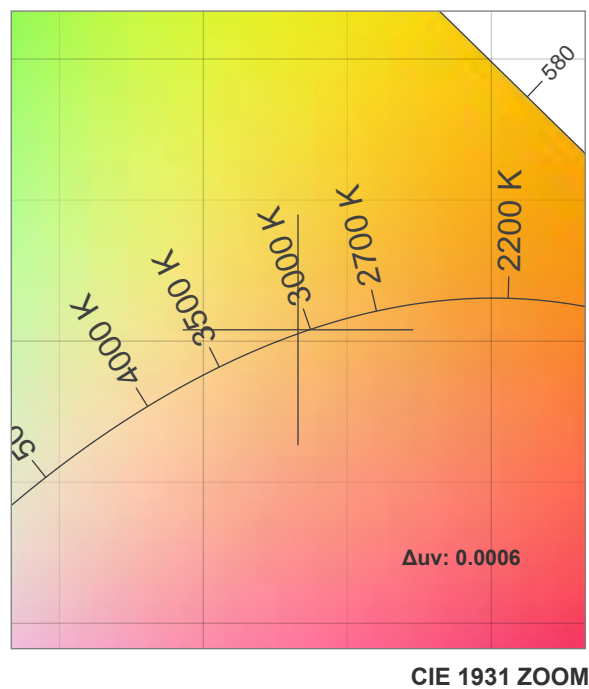
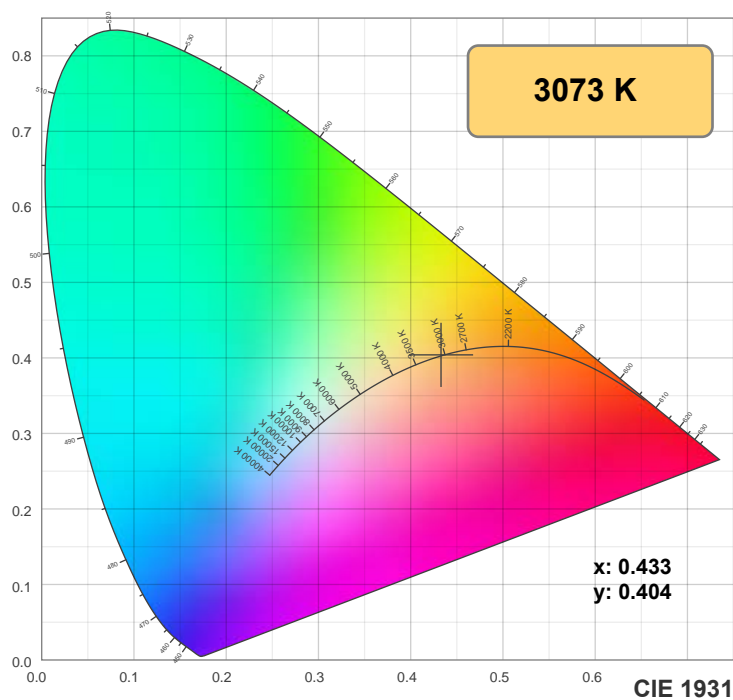
CIE 1931
x: 0.433
y: 0.404

Spectra

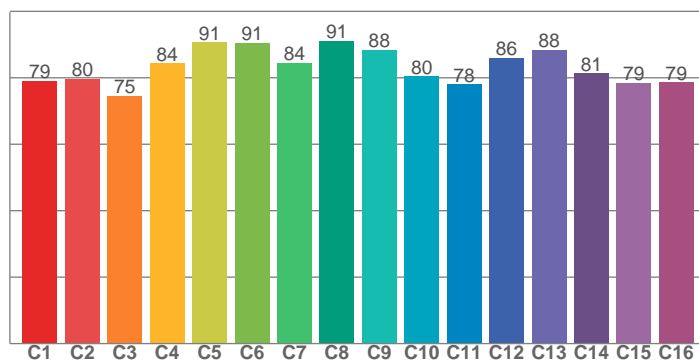


Power

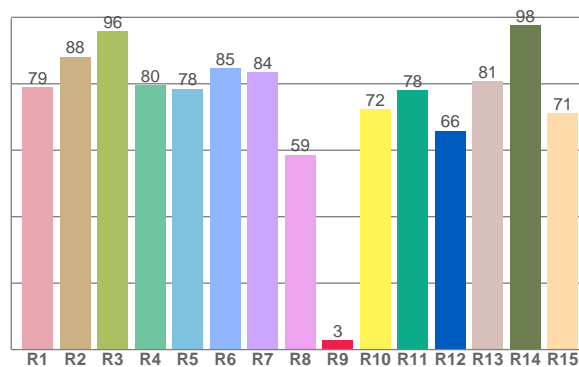




TM30: 83.2



CRI: 81.0 (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
78.9	88.1	95.9	79.6	78.5	84.7	83.5	58.7	2.8	72.4	78.0	65.9	80.8	97.6	71.2

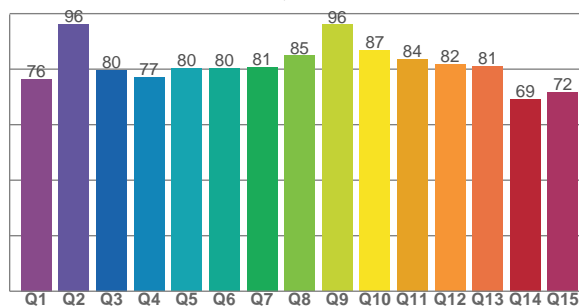
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
79.1	79.6	74.5	84.3	90.7	90.5	84.4	91.1	88.4	80.4	78.0	86.1	88.4	81.3	78.5	78.6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
76.4	96.2	79.6	77.1	80.3	80.3	80.7	84.8	96.1	86.8	83.7	81.8	81.1	69.3	71.6

CQS: 80.3



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
3073 K	81.0	2.8	83.2	96.8	80.3	0.433	0.404	0.248	0.347	0.0006

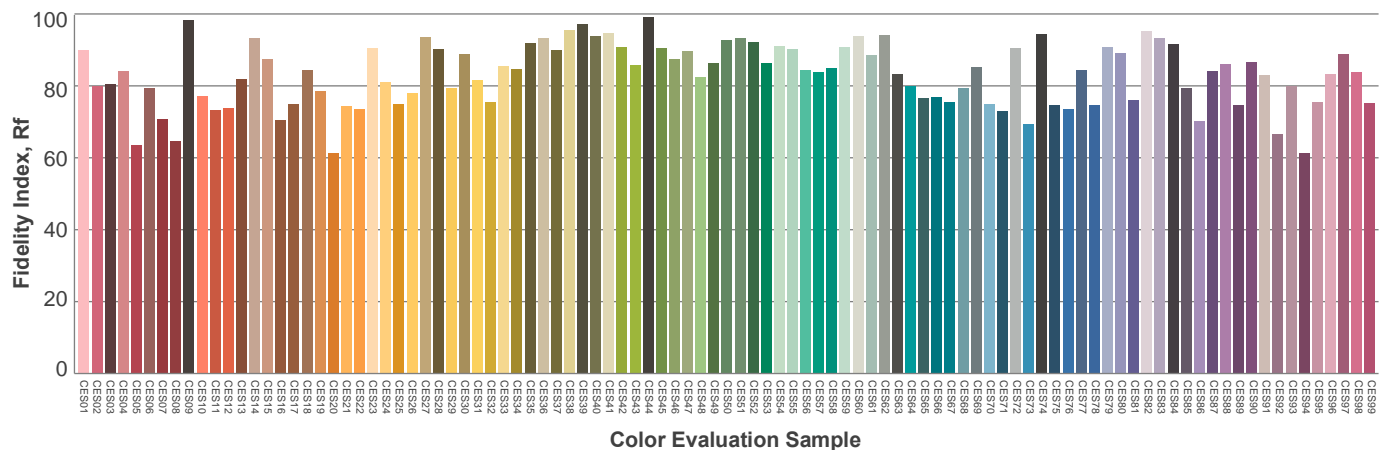
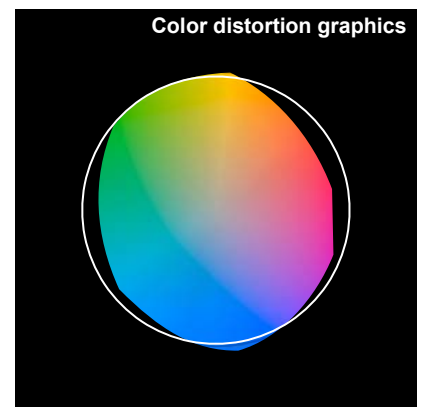
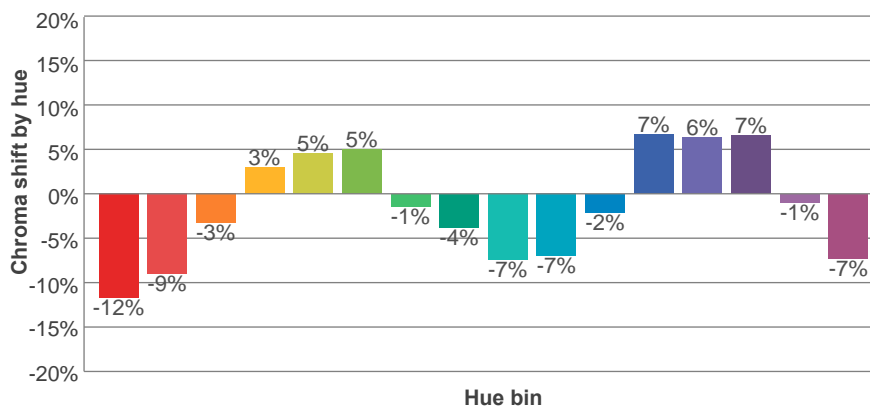
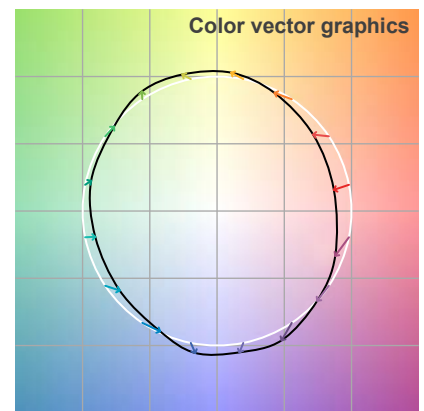
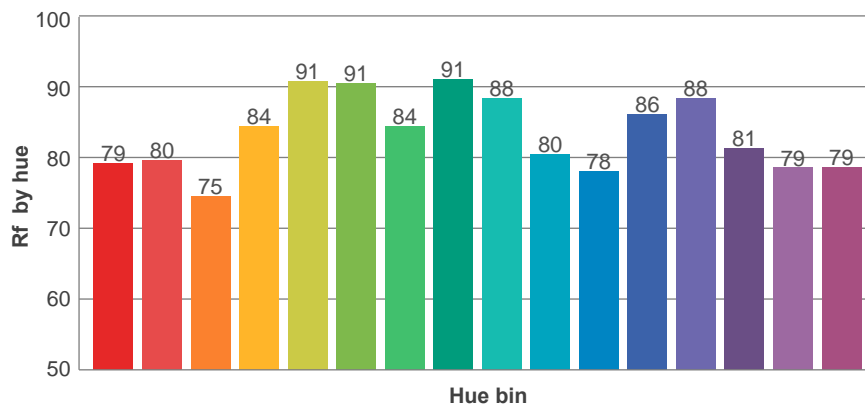
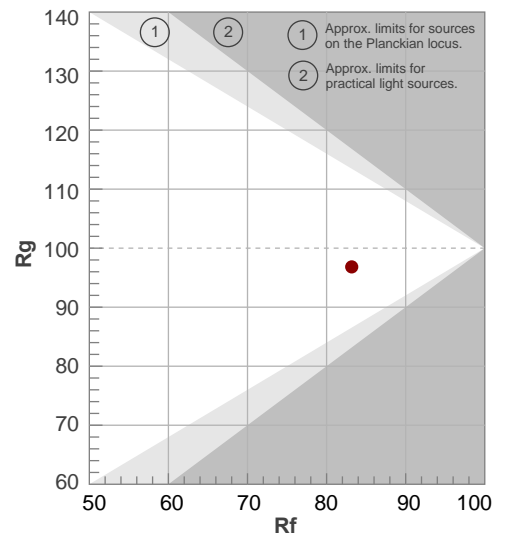
Rf 83.2

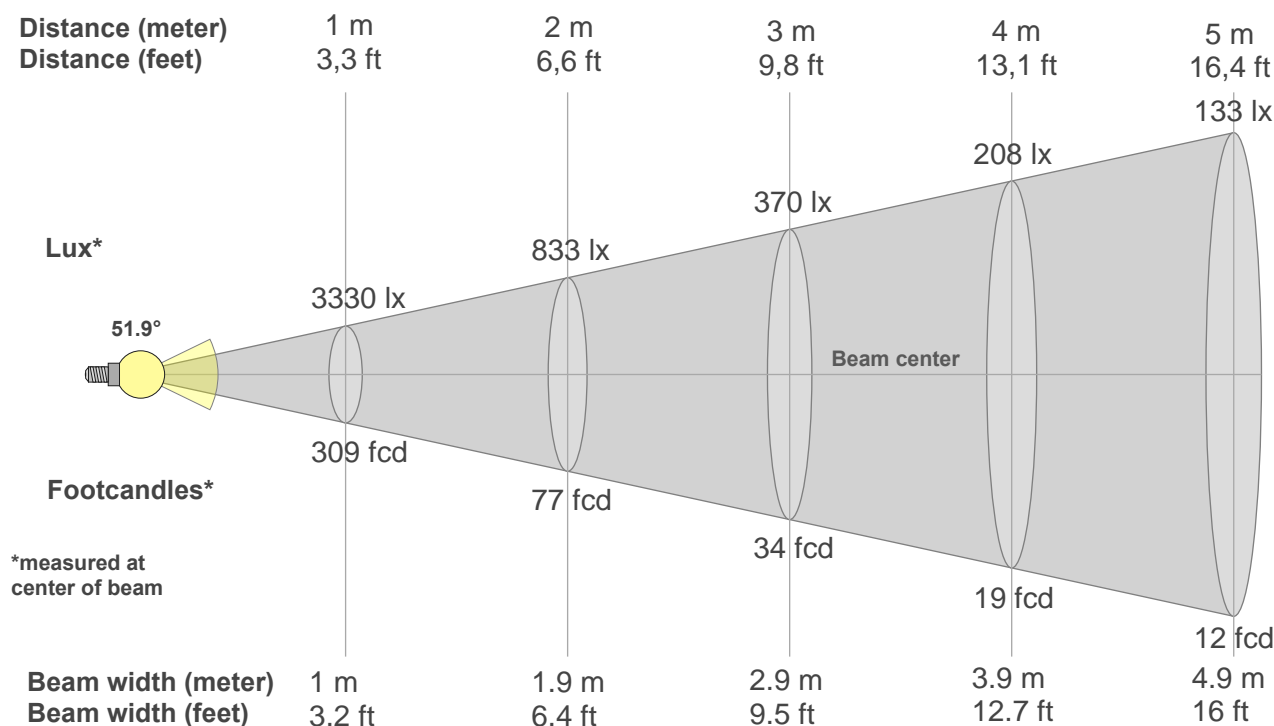
Fidelity index Rf

Rg 96.8

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	79	-12%	-1%
2	80	-9%	8%
3	75	-3%	13%
4	84	3%	10%
5	91	5%	5%
6	91	5%	-3%
7	84	-1%	-10%
8	91	-4%	-4%
9	88	-7%	1%
10	80	-7%	9%
11	78	-2%	14%
12	86	7%	5%
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
3330lx	833lx	370lx	208lx	133lx	93lx	68lx	52lx	41lx	33lx	28lx	23lx	20lx	17lx	15lx	13lx	12lx	10lx	9lx	8lx
309.4fcd	77.4fcd	34.4fcd	19.3fcd	12.4fcd	8.6fcd	6.3fcd	4.8fcd	3.8fcd	3.1fcd	2.6fcd	2.1fcd	1.8fcd	1.6fcd	1.4fcd	1.2fcd	1.1fcd	1fcd	0.9fcd	0.8fcd

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°
3330	3338	3287	3213	3126	2996	2866	2706	2537	2365	2183	2002	1826	1651	1485	1330	1175	1049	924	811
100%	100%	99%	96%	94%	90%	86%	81%	76%	71%	66%	60%	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°
3330	3303	3262	3220	3108	2997	2862	2707	2550	2372	2195	2018	1841	1667	1507	1346	1203	1068	940	830
100%	99%	98%	97%	93%	90%	86%	81%	77%	71%	66%	61%	55%	50%	45%	40%	36%	32%	28%	25%

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°
3330	3338	3287	3213	3126	2996	2866	2706	2537	2365	2183	2002	1826	1651	1485	1330	1175	1049	924	811
100%	100%	99%	96%	94%	90%	86%	81%	76%	71%	66%	60%	55%	50%	45%	40%	35%	31%	28%	24%

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°
3330	3303	3262	3220	3108	2997	2862	2707	2550	2372	2195	2018	1841	1667	1507	1346	1203	1068	940	830
100%	99%	98%	97%	93%	90%	86%	81%	77%	71%	66%	61%	55%	50%	45%	40%	36%	32%	28%	25%

Beam angle 50°	Field angle 10°	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
{B_ANG}°	97.1°	117.9°	97.4%	88.1%