

Light efficiency:

77 Lumen/Watt

Light quality:

CRI: 81.0

Color temperature:

3071 K

Output: 3135 lm

Peak: 5795 cd

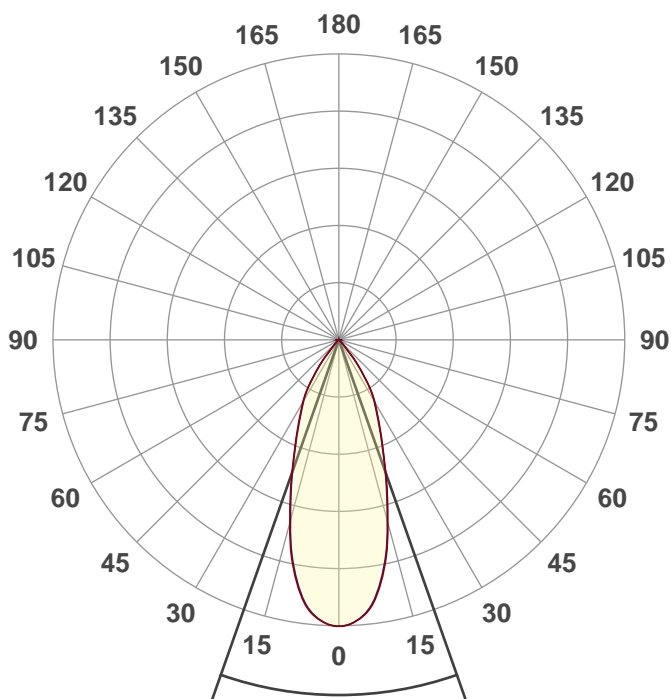
Power: 40.7 W

PF: 0.98



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

Date and time:
11/9/2020 1:16:21 PM



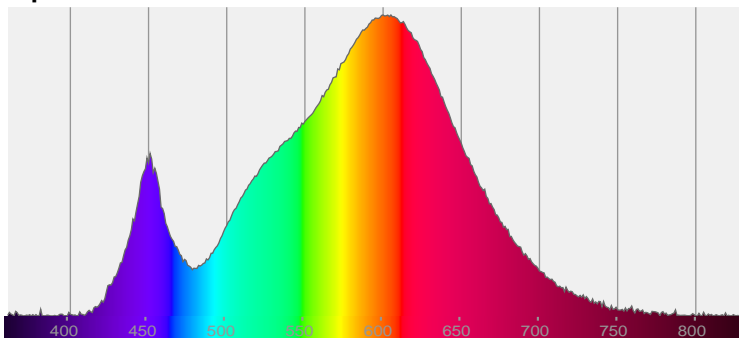
Beam angle

38.8°

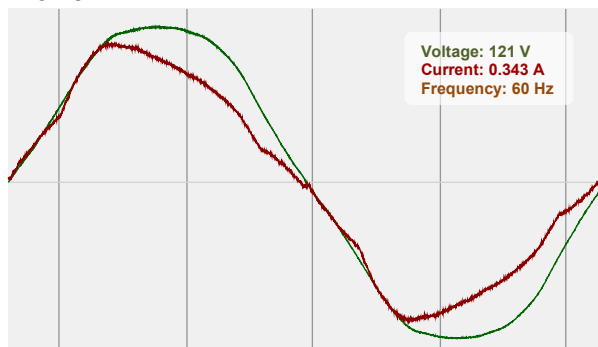


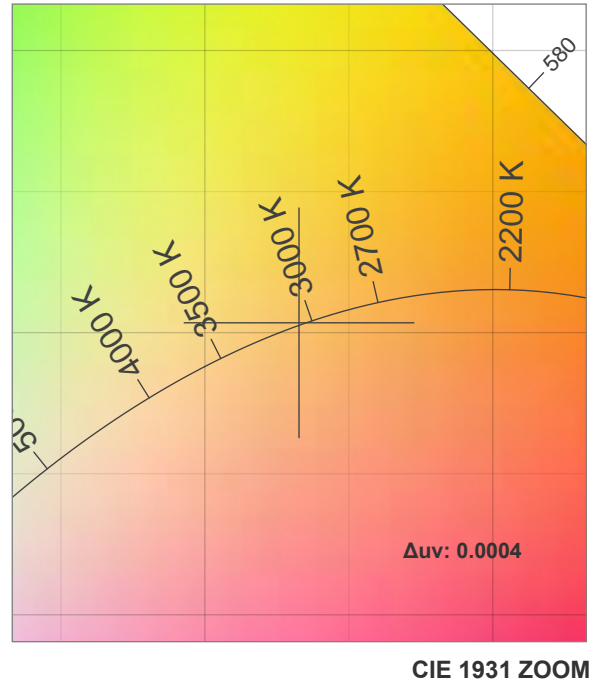
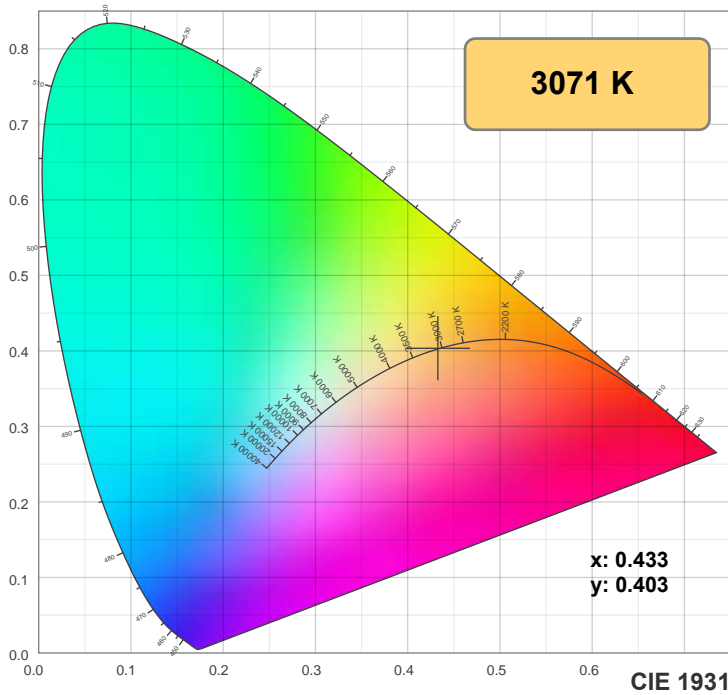
CIE 1931
x: 0.433
y: 0.403

Spectra

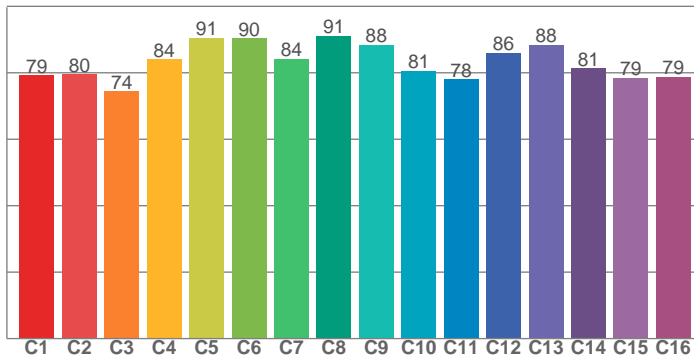


Power

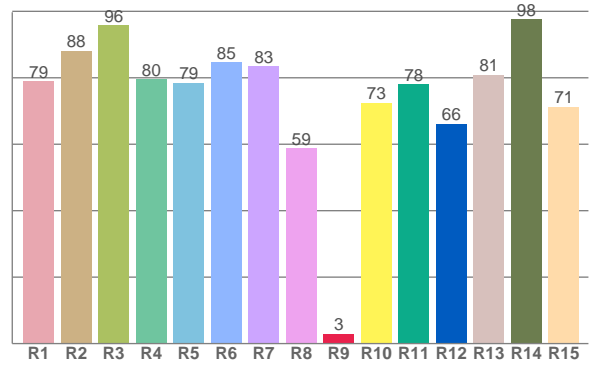




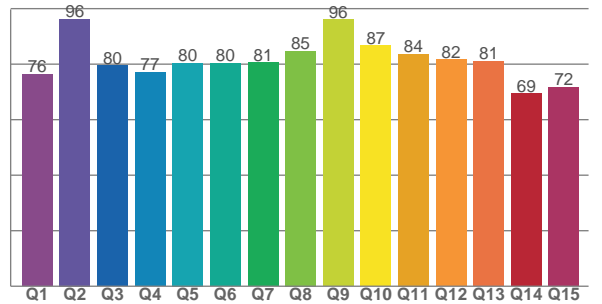
TM30: 83.1



CRI: 81.0 (R1-R8)



CQS: 80.2



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
79.0	88.2	95.8	79.6	78.5	84.7	83.4	58.7	3.0	72.5	78.1	66.2	80.9	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
79.2	79.6	74.3	84.1	90.5	90.3	84.3	91.0	88.5	80.5	78.0	86.0	88.4	81.4	78.5	78.7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
76.4	96.3	79.5	77.1	80.3	80.3	80.6	84.7	96.1	86.7	83.6	81.7	81.0	69.4	71.6

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
3071 K	81.0	3.0	83.1	97.0	80.2	0.433	0.403	0.248	0.347	0.0004

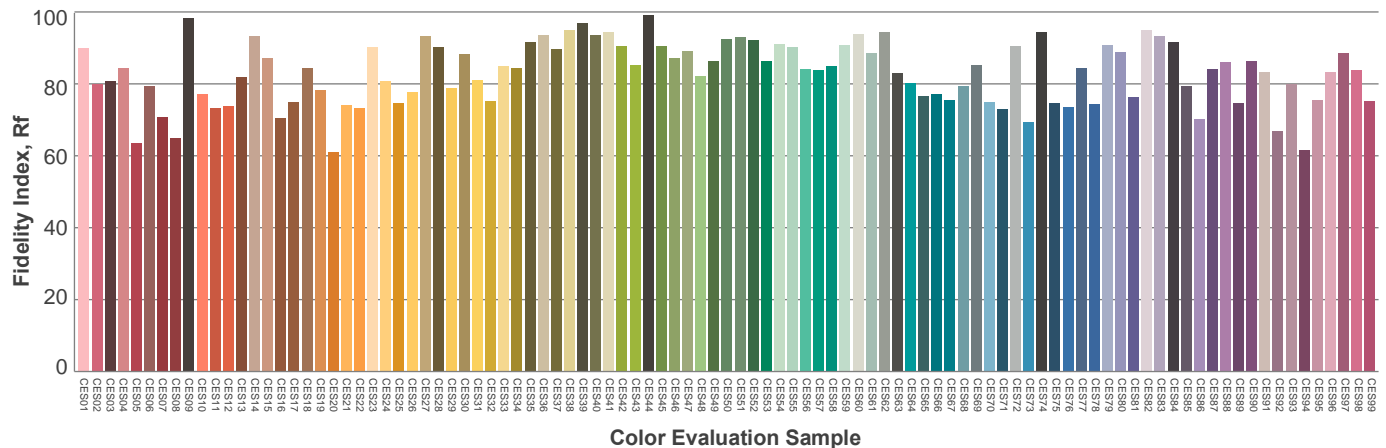
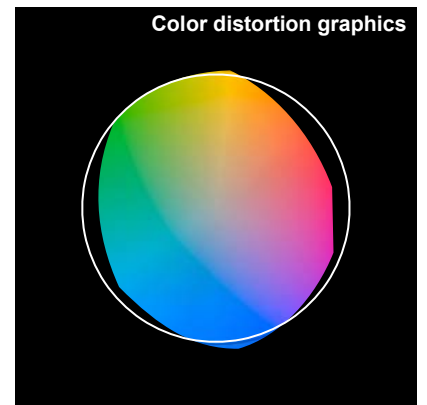
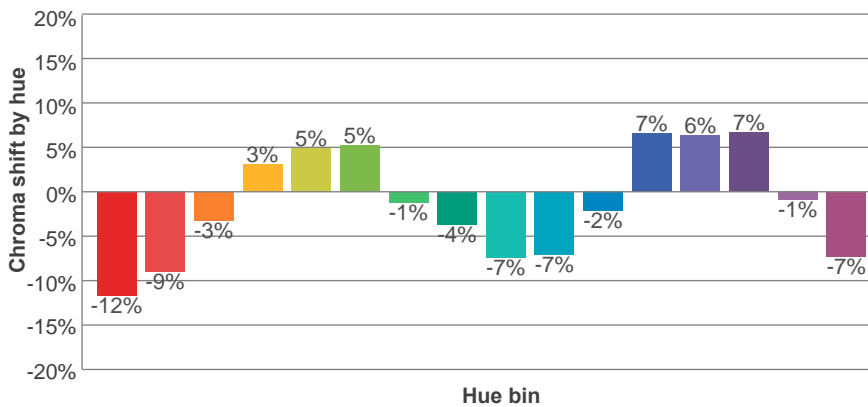
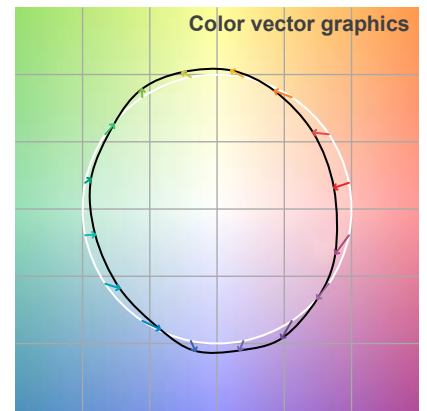
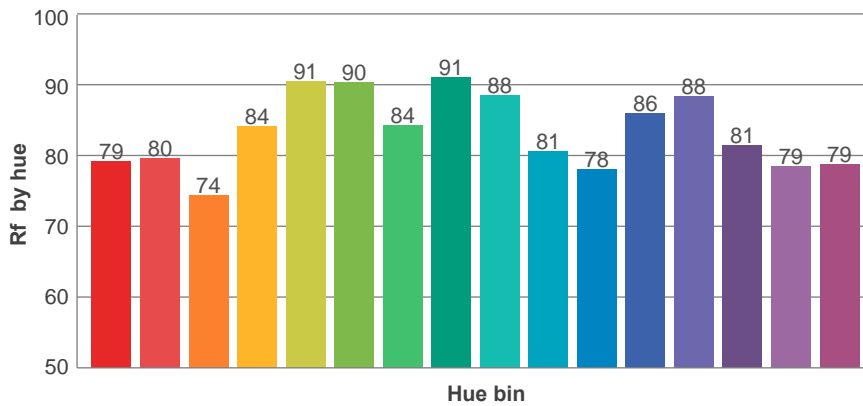
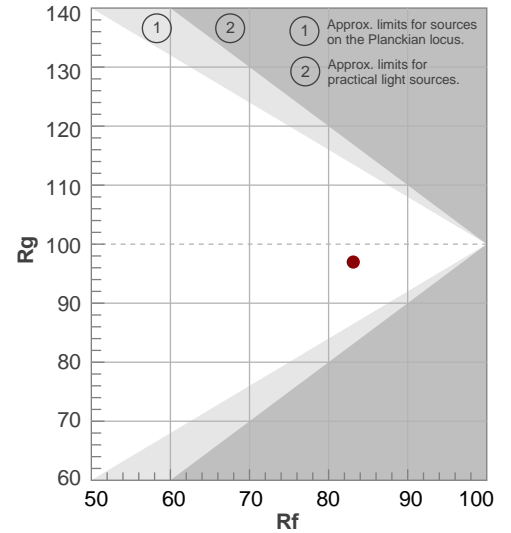
Rf 83.1

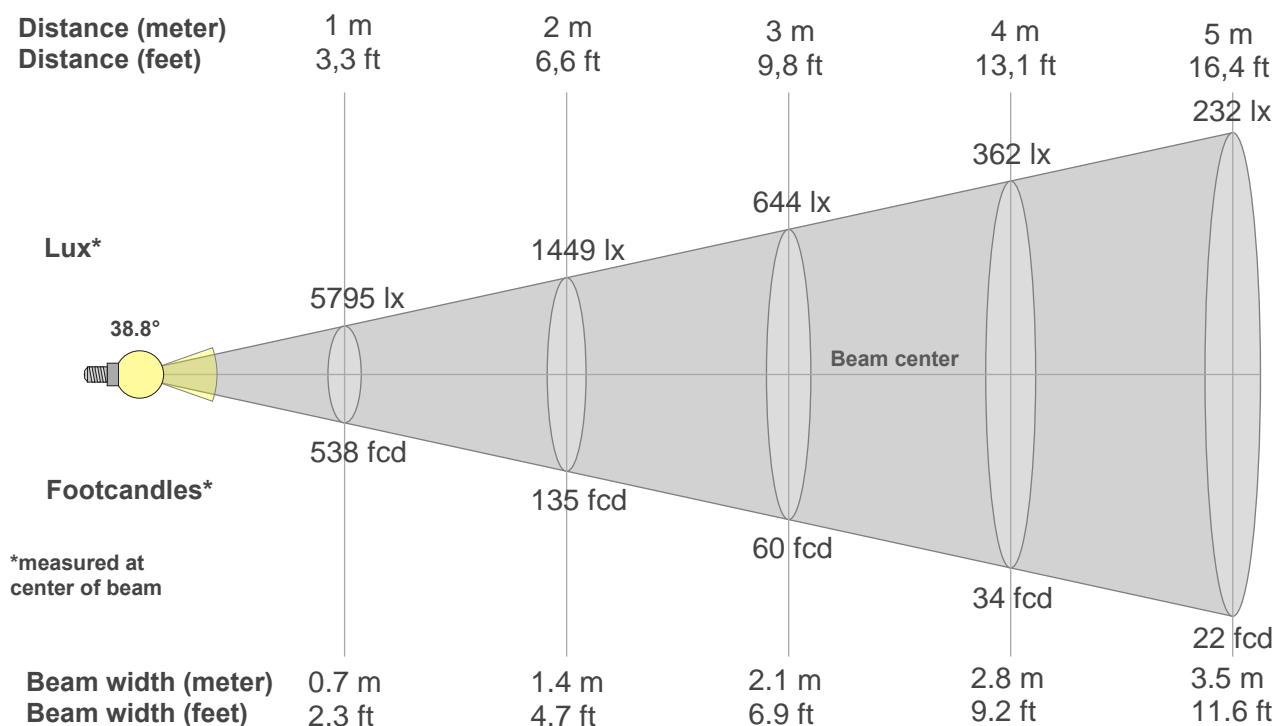
Fidelity index Rf

Rg 97.0

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	79	-12%	-2%
2	80	-9%	8%
3	74	-3%	13%
4	84	3%	10%
5	91	5%	6%
6	90	5%	-3%
7	84	-1%	-10%
8	91	-4%	-4%
9	88	-7%	1%
10	81	-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
5795lx	1449lx	644lx	362lx	232lx	161lx	118lx	91lx	72lx	58lx	48lx	40lx	34lx	30lx	26lx	23lx	20lx	18lx	16lx	14lx
538.3fcd	134.6fcd	59.8fcd	33.6fcd	21.5fcd	15fcd	11fcd	8.4fcd	6.6fcd	5.4fcd	4.4fcd	3.7fcd	3.2fcd	2.7fcd	2.4fcd	2.1fcd	1.9fcd	1.7fcd	1.5fcd	1.3fcd

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°
5795	5795	5678	5528	5314	4949	4584	4123	3640	3190	2802	2414	2140	1883	1651	1459	1266	1021	771	544
100%	100%	98%	95%	92%	85%	79%	71%	63%	55%	48%	42%	37%	32%	28%	25%	22%	18%	13%	9%

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°
5795	5794	5669	5508	5284	4913	4543	4079	3595	3147	2765	2383	2108	1848	1616	1429	1242	1008	769	549
100%	100%	98%	95%	91%	85%	78%	70%	62%	54%	48%	41%	36%	32%	28%	25%	21%	17%	13%	9%

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°
5795	5795	5678	5528	5314	4949	4584	4123	3640	3190	2802	2414	2140	1883	1651	1459	1266	1021	771	544
100%	100%	98%	95%	92%	85%	79%	71%	63%	55%	48%	42%	37%	32%	28%	25%	22%	18%	13%	9%

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°
5795	5794	5669	5508	5284	4913	4543	4079	3595	3147	2765	2383	2108	1848	1616	1429	1242	1008	769	549
100%	100%	98%	95%	91%	85%	78%	70%	62%	54%	48%	41%	36%	32%	28%	25%	21%	17%	13%	9%

Beam angle 50°	Field angle 10°	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
{B_ANG}°	75.3°	84.1°	99.4%	98.7%