

Light efficiency:

61 Lumen/Watt

Light quality:

CRI: 80.7

Color temperature:

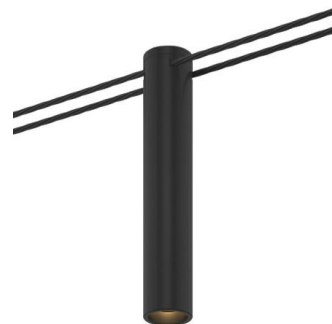
4021 K

Output: 771 lm

Peak: 2894 cd

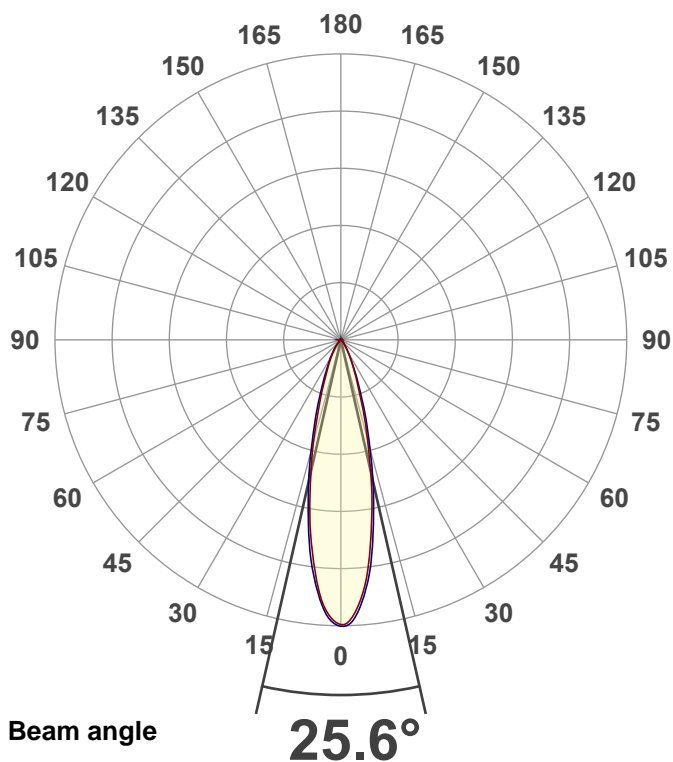
Power: 12.6 W

PF: 0.91



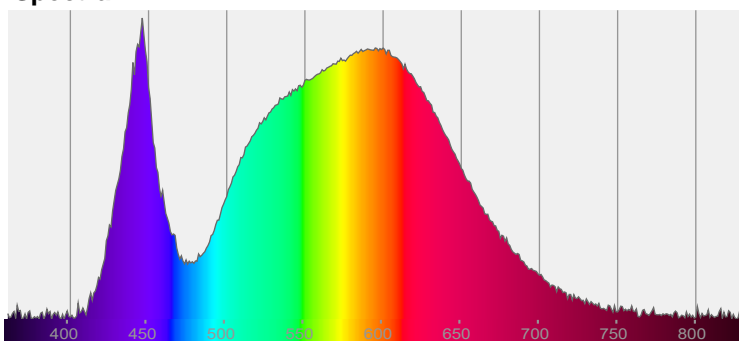
EXT-SKY-D-SW-10LM-40K-80-25D-24-BK-BK

Date and time:
4/14/2021 3:39:39 PM

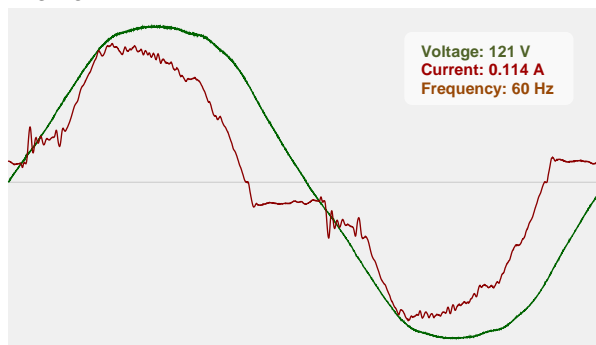


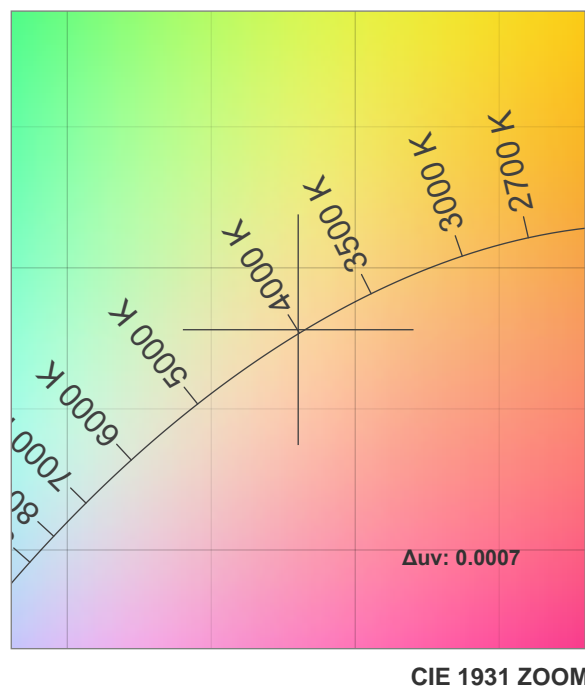
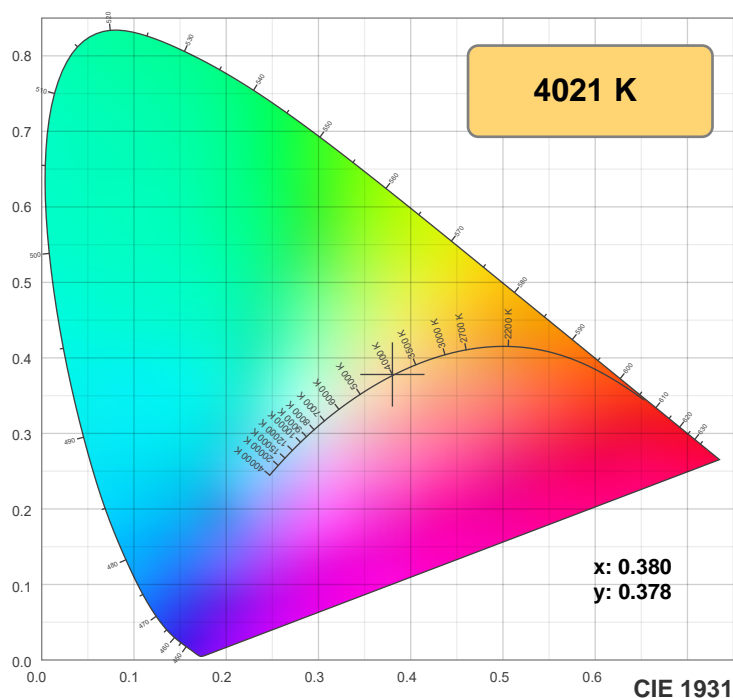
CIE 1931
x: 0.380
y: 0.378

Spectra



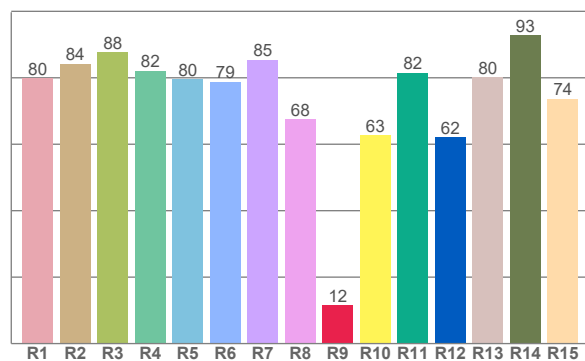
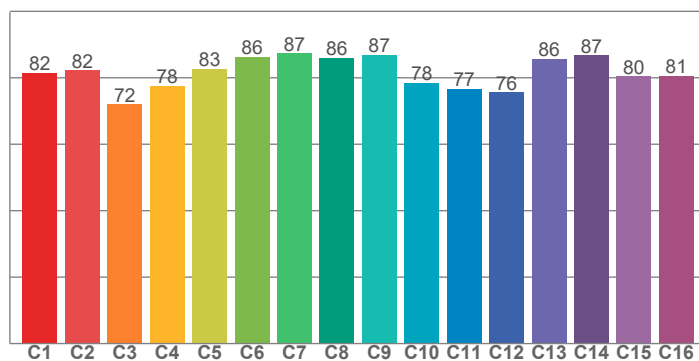
Power





TM30: 81.4

CRI: 80.7 (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
79.8	84.2	87.7	82.1	79.6	78.9	85.5	67.6	11.6	62.7	81.6	62.1	80.1	92.8	73.7

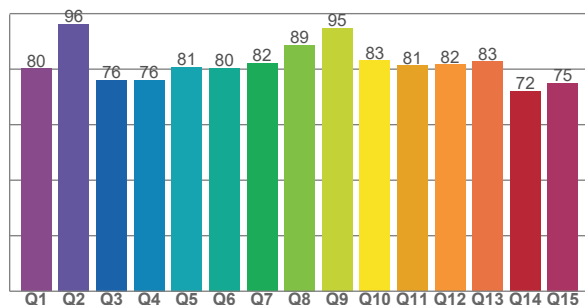
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
81.5	82.2	72.0	77.6	82.6	86.2	87.4	86.0	86.9	78.4	76.7	75.7	85.7	86.7	80.5	80.6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
80.2	96.2	76.1	76.1	80.8	80.3	82.1	88.8	94.9	83.1	81.3	81.7	82.7	72.0	75.1

CQS: 80.9



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
4021 K	80.7	11.6	81.4	99.0	80.9	0.380	0.378	0.224	0.335	0.0007

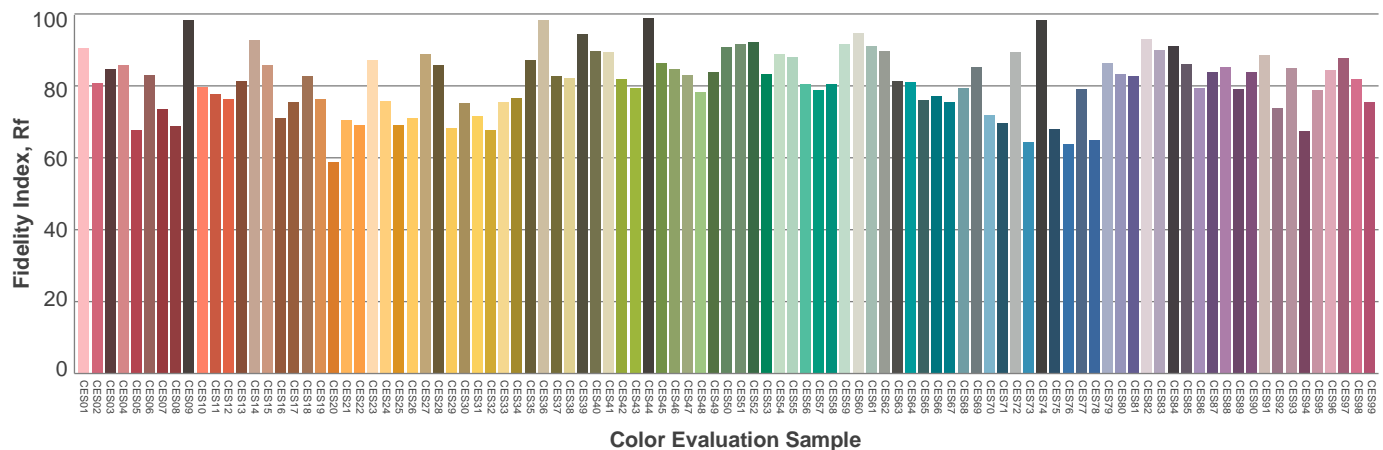
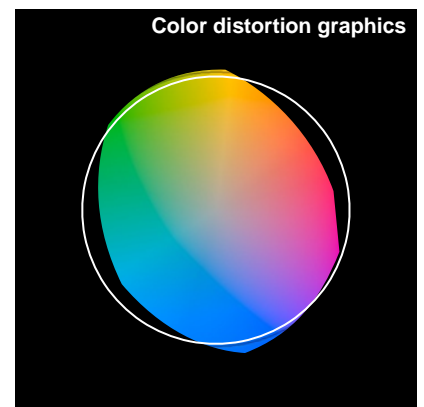
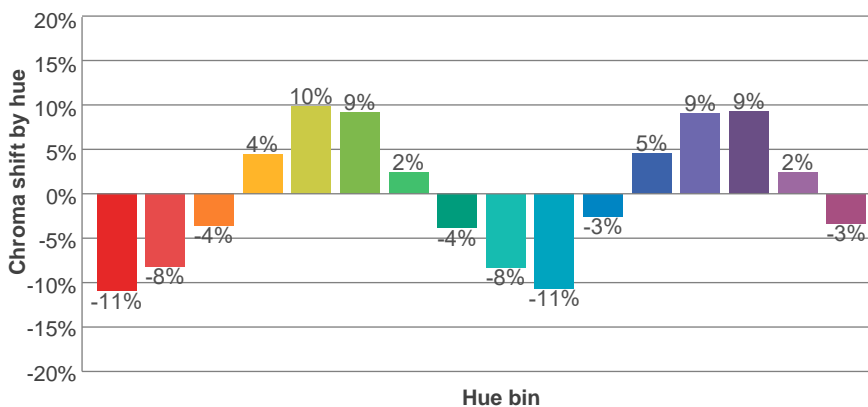
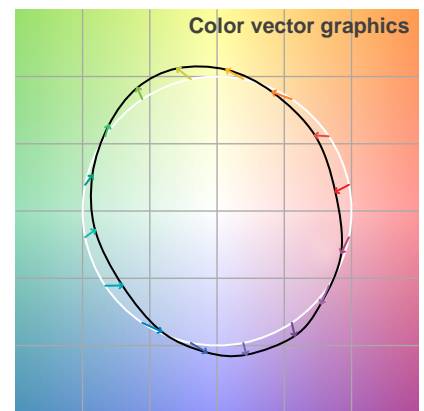
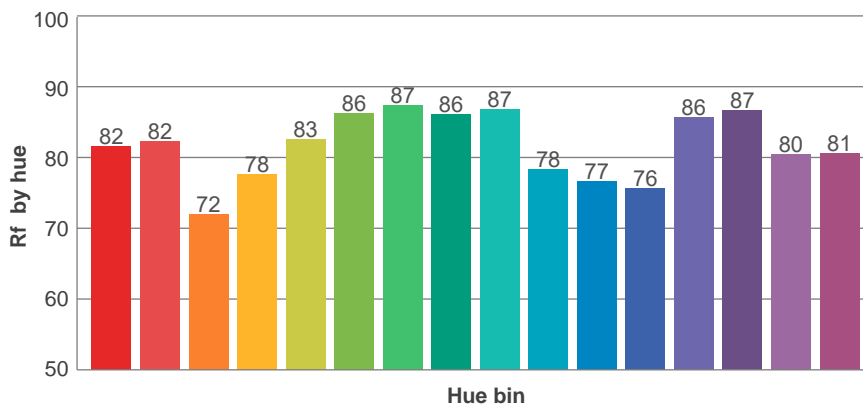
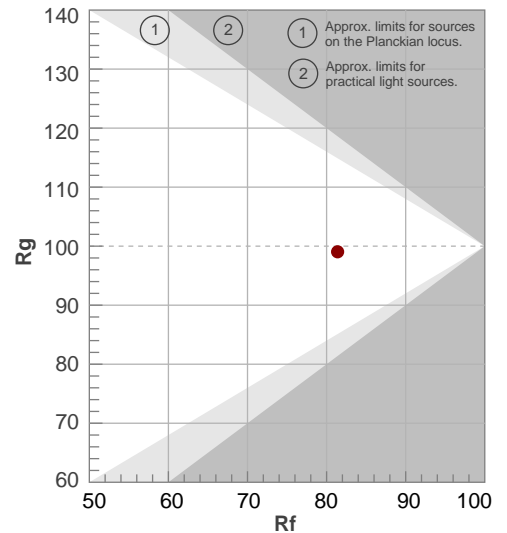
Rf 81.4

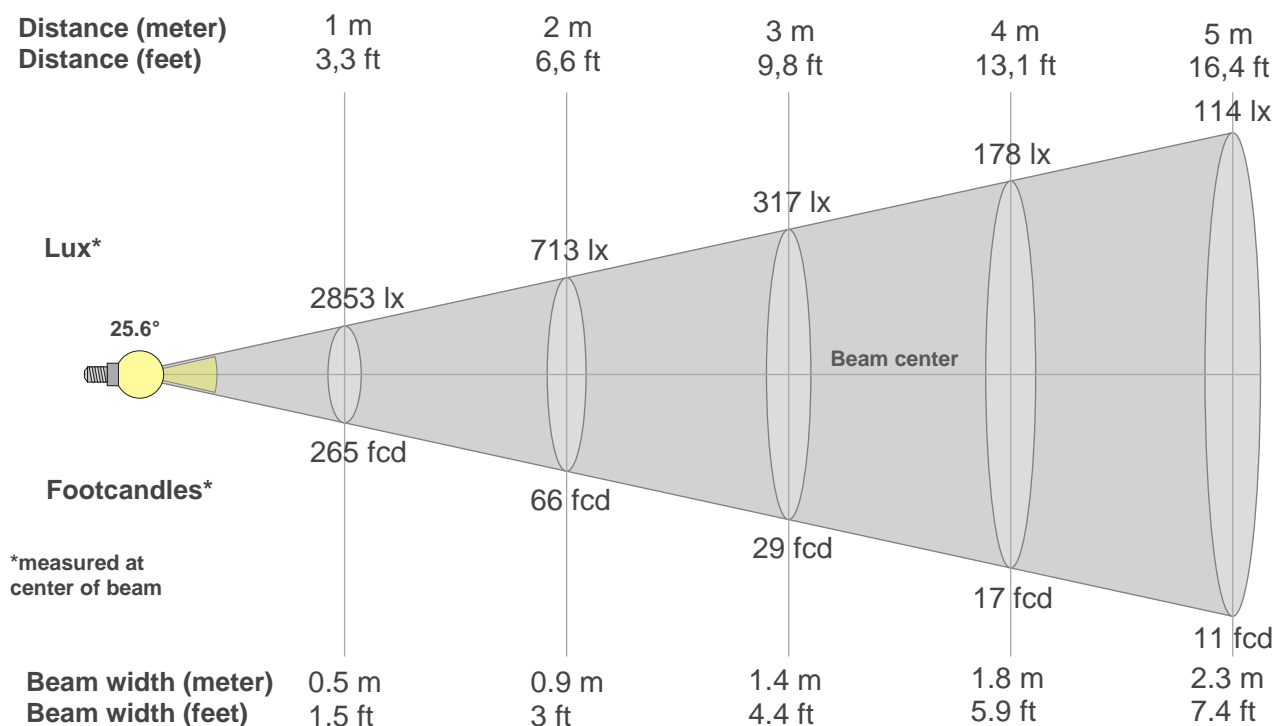
Fidelity index Rf

Rg 99.0

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	82	-11%	-3%
2	82	-8%	6%
3	72	-4%	15%
4	78	4%	14%
5	83	10%	8%
6	86	9%	-2%
7	87	2%	-8%
8	86	-4%	-8%
9	87	-8%	-4%
10	78	-11%	7%
11	77	-3%	15%
12	76	5%	13%
13	86	9%	1%
14	87	9%	-3%
15	80	2%	-14%
16	81	-3%	-12%





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
2853lx	713lx	317lx	178lx	114lx	79lx	58lx	45lx	35lx	29lx	24lx	20lx	17lx	15lx	13lx	11lx	10lx	9lx	8lx	7lx
265.1fcd	66.3fcd	29.5fcd	16.6fcd	10.6fcd	7.4fcd	5.4fcd	4.1fcd	3.3fcd	2.7fcd	2.2fcd	1.8fcd	1.6fcd	1.4fcd	1.2fcd	1fcd	0.9fcd	0.8fcd	0.7fcd	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°
2853	2805	2635	2455	2137	1819	1513	1215	933	737	542	420	330	250	203	156	123	94	70	53
100%	98%	92%	86%	75%	64%	53%	43%	33%	26%	19%	15%	12%	9%	7%	5%	4%	3%	2%	2%

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°
2853	2880	2691	2492	2234	1916	1600	1320	1041	818	635	463	367	271	207	160	118	93	69	52
100%	101%	94%	87%	78%	67%	56%	46%	36%	29%	22%	16%	13%	9%	7%	6%	4%	3%	2%	2%

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°
2853	2769	2681	2401	2120	1824	1515	1214	981	747	584	460	348	291	233	191	154	121	98	74
100%	97%	94%	84%	74%	64%	53%	43%	34%	26%	20%	16%	12%	10%	8%	7%	5%	4%	3%	3%

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°
2853	2827	2683	2457	2220	1912	1604	1331	1075	840	680	520	417	332	260	215	171	140	112	86
100%	99%	94%	86%	78%	67%	56%	47%	38%	29%	24%	18%	15%	12%	9%	8%	6%	5%	4%	3%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
{B_ANG}°	51.8°	74.5°	99.2%	98.4%