

Light efficiency:

51 Lumen/Watt

Light quality:

CRI: 81.8

Color temperature:

3978 K

Output: 620 lm

Peak: 2121 cd

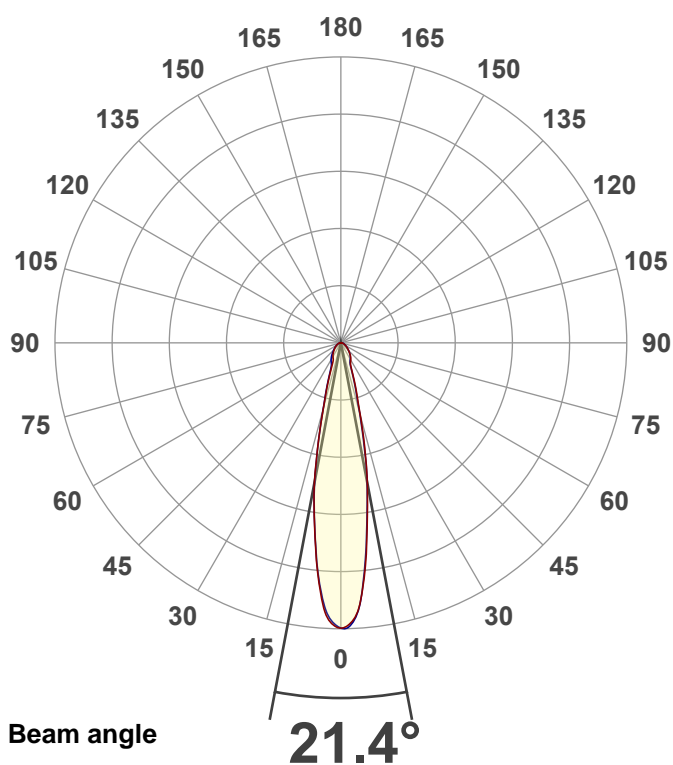
Power: 12.3 W

PF: 0.91



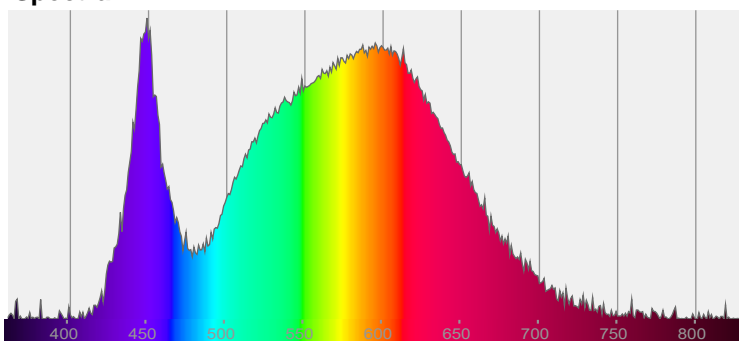
EXT-SKY-D-SW-10LM-40K-80-30D-24-BK-BK-WAND

Date and time:
11/3/2021 12:00:13 PM

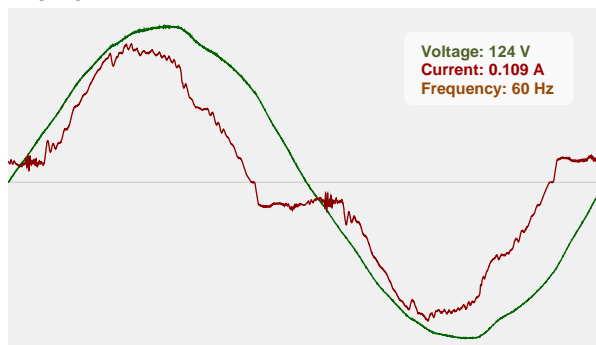


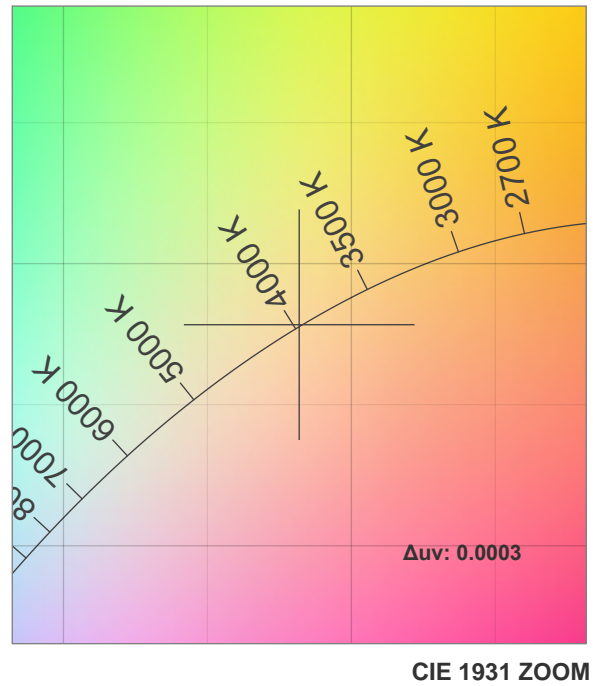
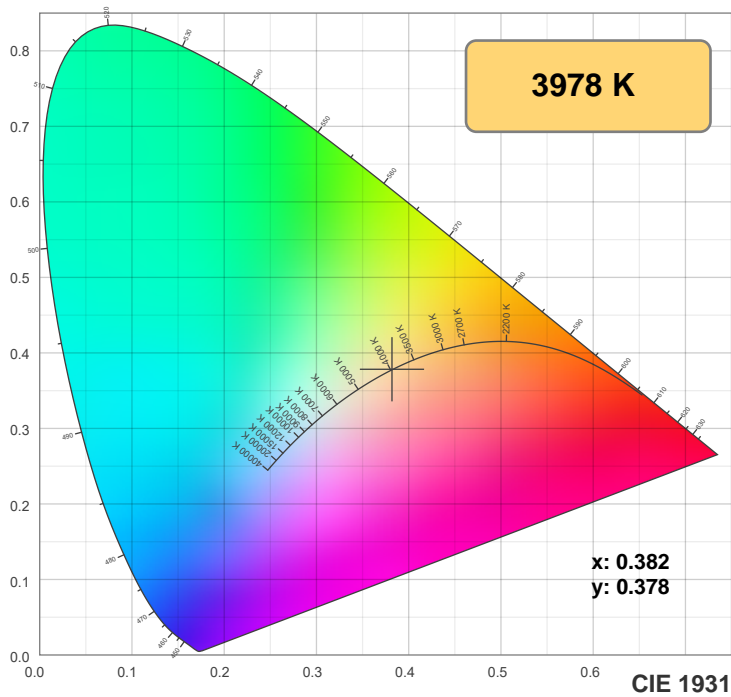
CIE 1931
x: 0.382
y: 0.378

Spectra

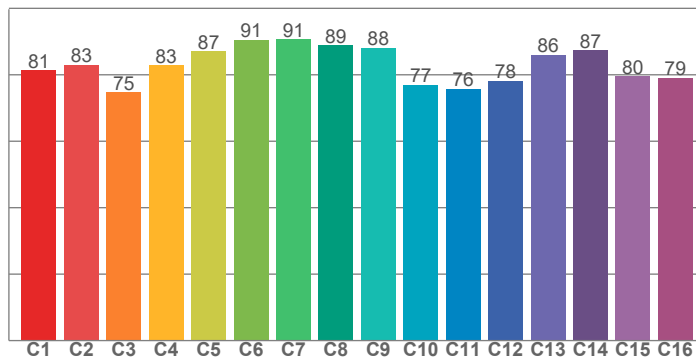


Power

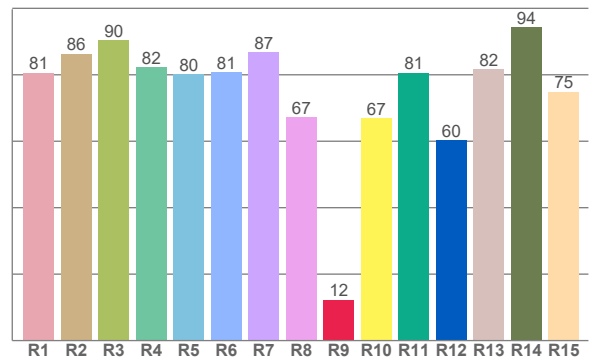




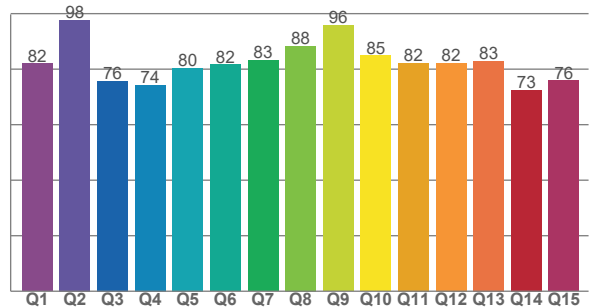
TM30: 82.9



CRI: 81.8 (R1-R8)



CQS: 81.4



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
80.6	86.3	90.3	82.3	80.1	80.8	86.7	67.2	12.3	67.0	80.7	60.3	81.6	94.3	74.9

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
81.3	83.0	74.7	82.8	87.0	90.6	90.7	88.9	88.1	77.0	75.7	78.2	86.0	87.4	79.5	79.1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
82.1	97.7	75.8	74.4	80.4	81.6	83.2	88.4	95.8	84.8	82.2	82.2	82.9	72.5	75.9

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
3978 K	81.8	12.3	82.9	97.6	81.4	0.382	0.378	0.225	0.335	0.0003

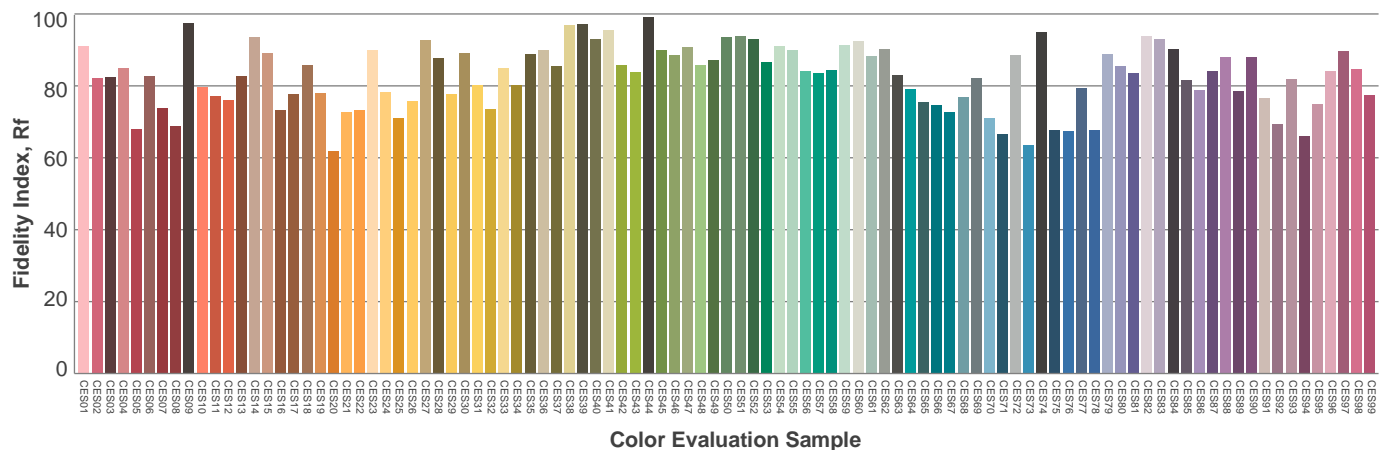
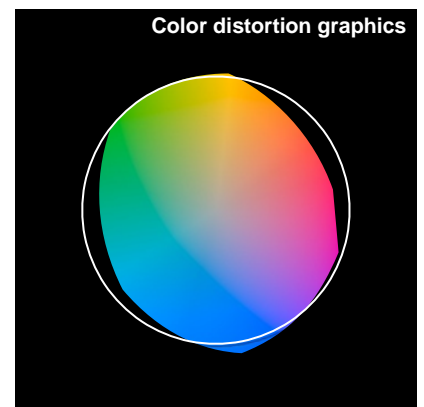
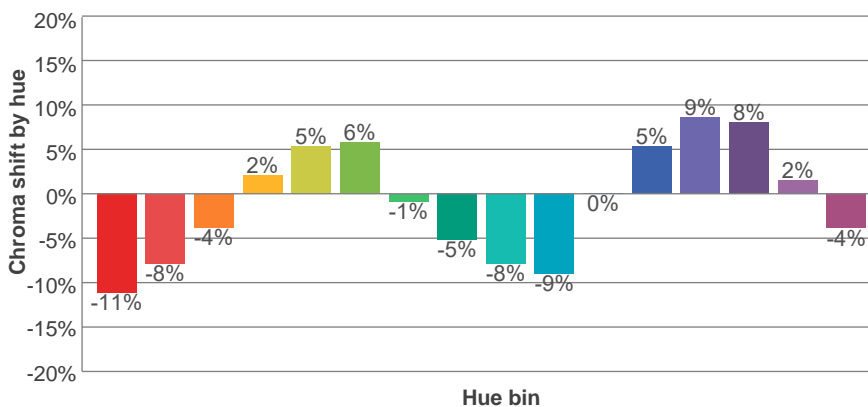
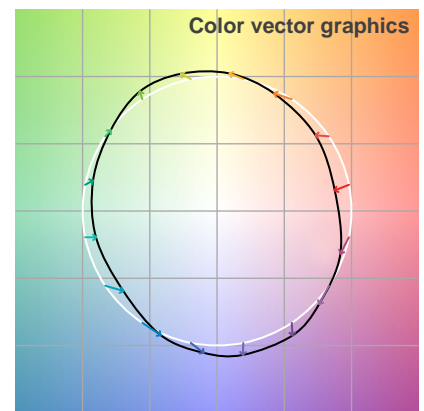
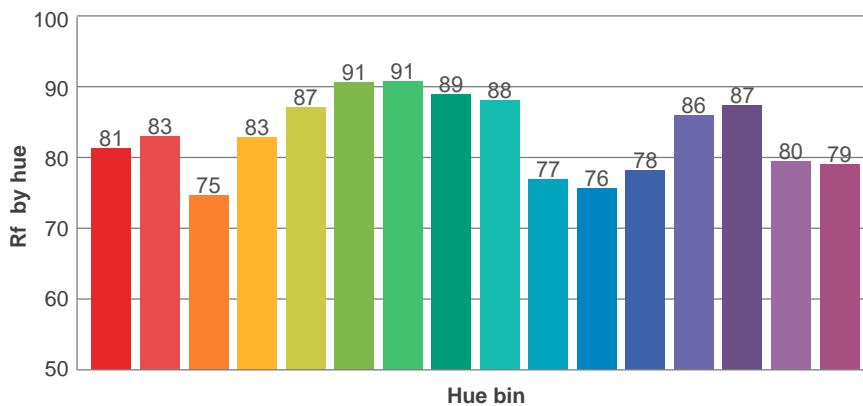
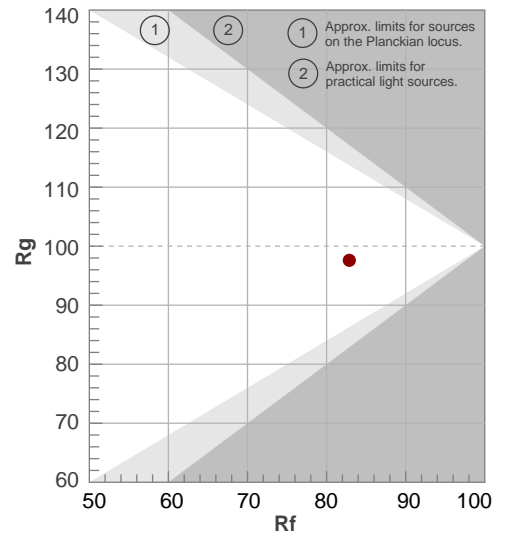
Rf 82.9

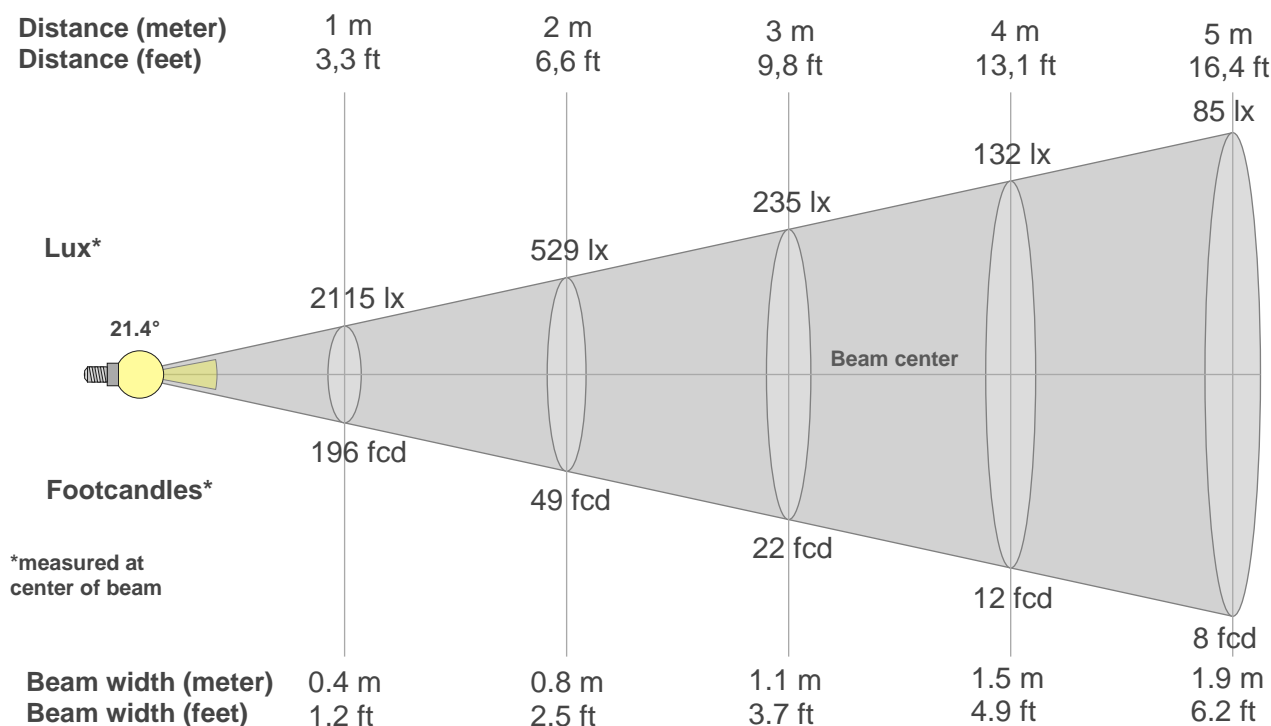
Fidelity index Rf

Rg 97.6

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	81	-11%	-2%
2	83	-8%	6%
3	75	-4%	13%
4	83	2%	11%
5	87	5%	6%
6	91	6%	-2%
7	91	-1%	-6%
8	89	-5%	-4%
9	88	-8%	2%
10	77	-9%	11%
11	76	0%	16%
12	78	5%	11%
13	86	9%	-2%
14	87	8%	-5%
15	80	2%	-15%
16	79	-4%	-13%





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
2115lx	529lx	235lx	132lx	85lx	59lx	43lx	33lx	26lx	21lx	17lx	15lx	13lx	11lx	9lx	8lx	7lx	7lx	6lx	5lx
196.5fcd	49.1fcd	21.8fcd	12.3fcd	7.9fcd	5.5fcd	4fcd	3.1fcd	2.4fcd	2fcd	1.6fcd	1.4fcd	1.2fcd	1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	0.5fcd	0.5fcd

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°
2115	2080	1967	1711	1413	1148	906	676	475	371	284	220	181	165	156	148	139	131	122	113
100%	98%	93%	81%	67%	54%	43%	32%	22%	18%	13%	10%	9%	8%	7%	7%	7%	6%	6%	5%

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°
2115	2097	1973	1690	1397	1135	892	644	456	349	266	205	169	154	145	140	133	126	118	110
100%	99%	93%	80%	66%	54%	42%	30%	22%	17%	13%	10%	8%	7%	7%	7%	6%	6%	6%	5%

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°
2115	2074	1938	1691	1405	1151	878	624	430	312	223	169	143	131	124	117	111	105	98	90
100%	98%	92%	80%	66%	54%	42%	29%	20%	15%	11%	8%	7%	6%	6%	6%	5%	5%	5%	4%

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°
2115	2056	1911	1678	1397	1143	868	622	440	329	242	197	176	164	155	145	135	126	116	105
100%	97%	90%	79%	66%	54%	41%	29%	21%	16%	11%	9%	8%	8%	7%	7%	6%	6%	5%	5%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
{B_ANG}°	42.7°	107°	90.4%	78.7%