

Light efficiency:

41 Lumen/Watt

Light quality:

CRI: 81.3

Color temperature:

4044 K

Output: 503 lm

Peak: 1359 cd

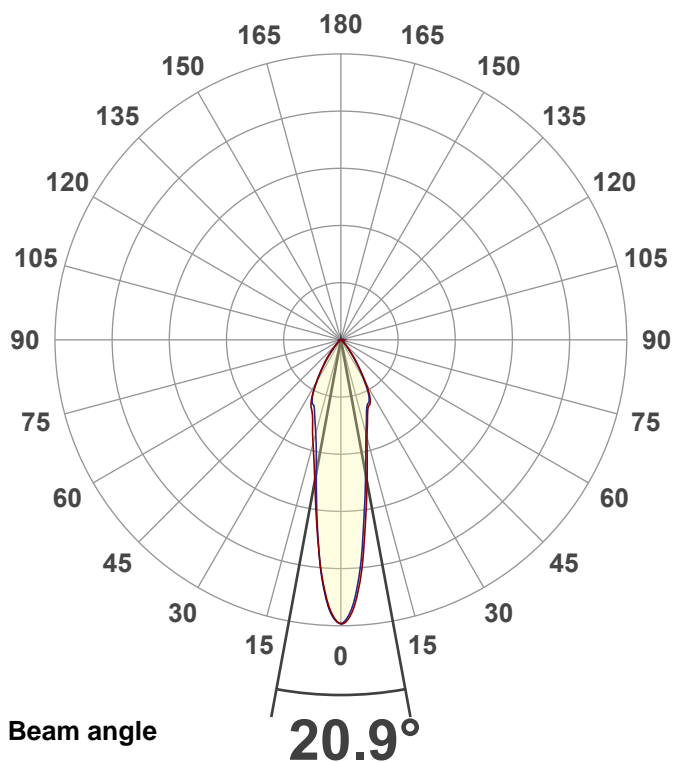
Power: 12.2 W

PF: 0.91



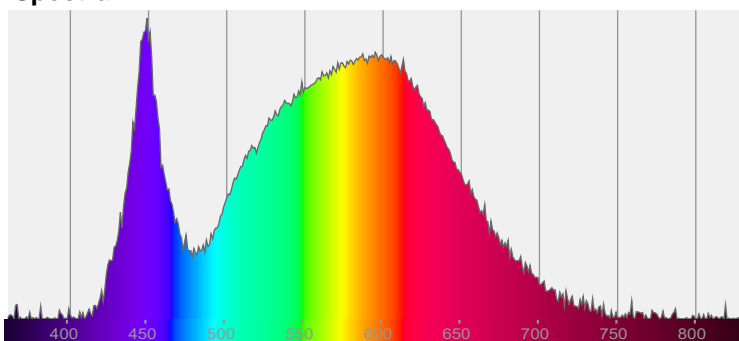
EXT-SKY-D-SW-10LM-40K-80-30D-24-BK-BK-PRISM

Date and time:
11/3/2021 12:11:10 PM

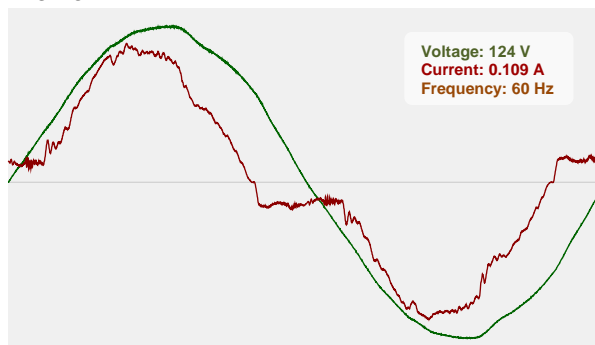


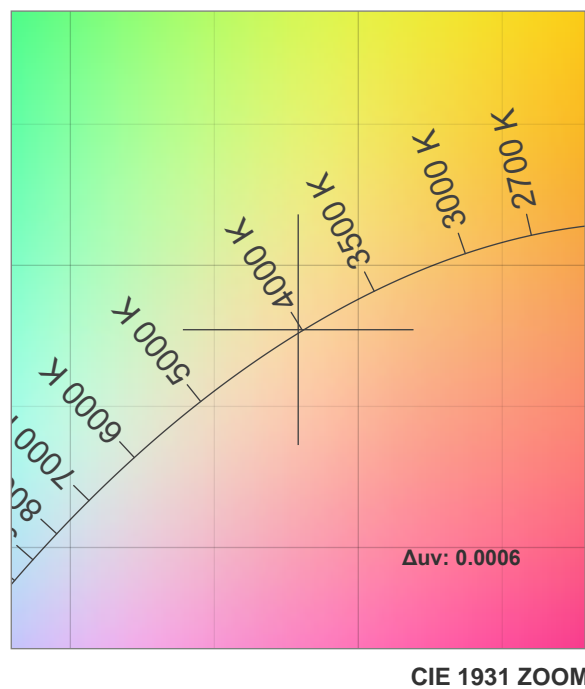
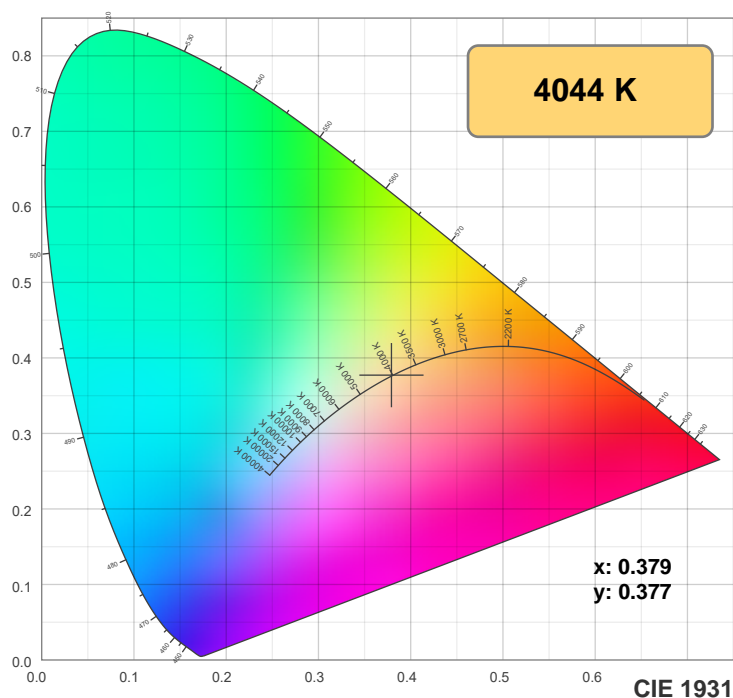
CIE 1931
x: 0.379
y: 0.377

Spectra

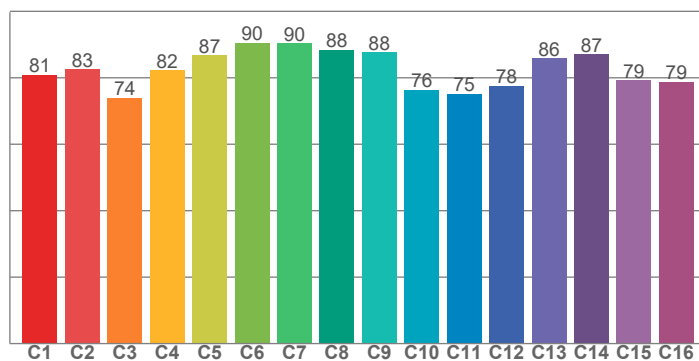


Power

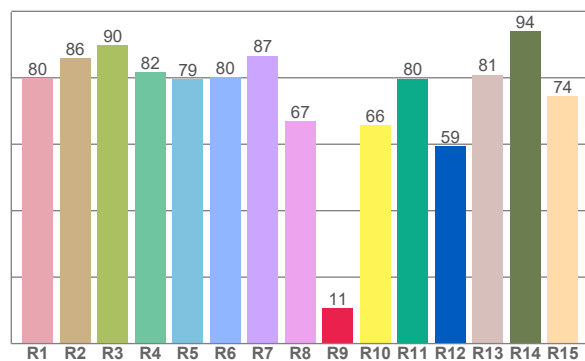




TM30: 82.5



CRI: 81.3 (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
80.0	85.8	89.8	81.7	79.5	80.1	86.7	66.9	10.7	65.7	79.7	59.3	81.0	94.1	74.4

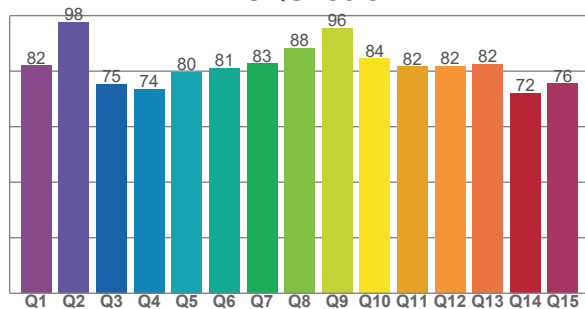
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
80.9	82.5	74.0	82.2	86.7	90.4	90.4	88.4	87.7	76.4	75.2	77.6	85.9	87.0	79.2	78.8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
82.0	97.6	75.3	73.6	79.7	81.1	82.8	88.2	95.6	84.5	81.6	81.7	82.5	72.0	75.6

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
4044 K	81.3	10.7	82.5	97.4	80.9	0.379	0.377	0.224	0.334	0.0006

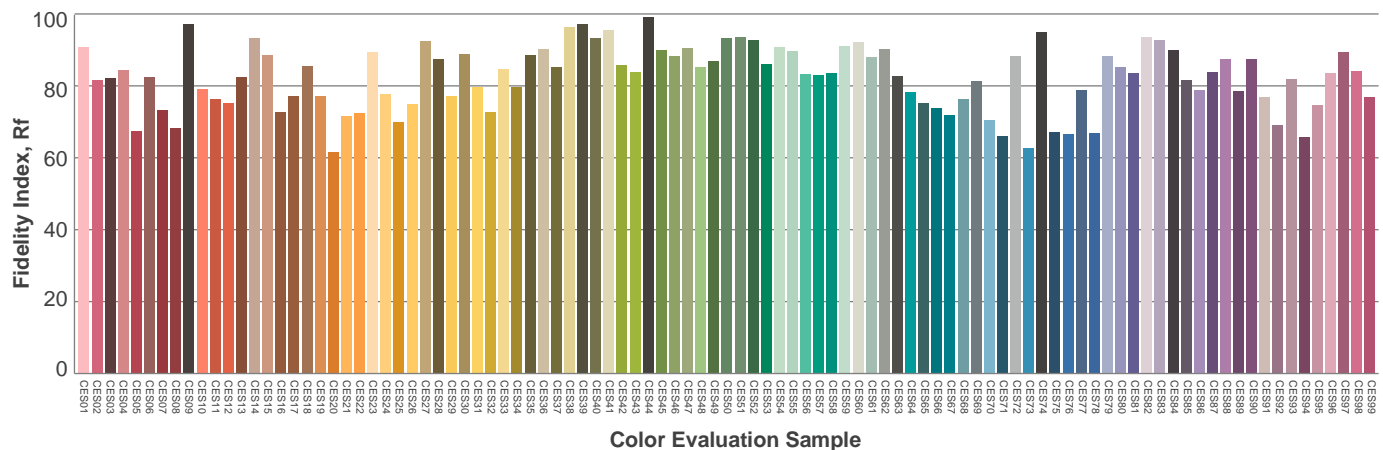
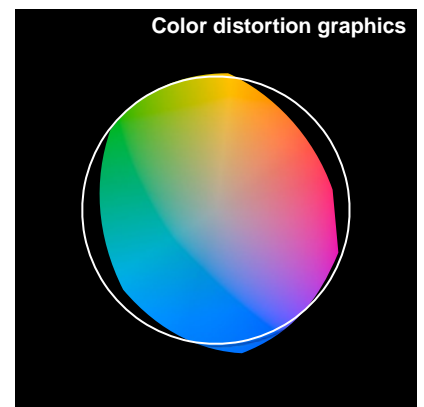
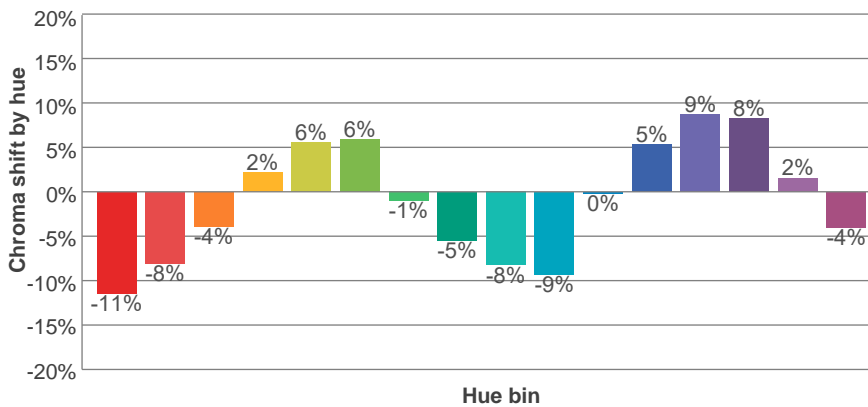
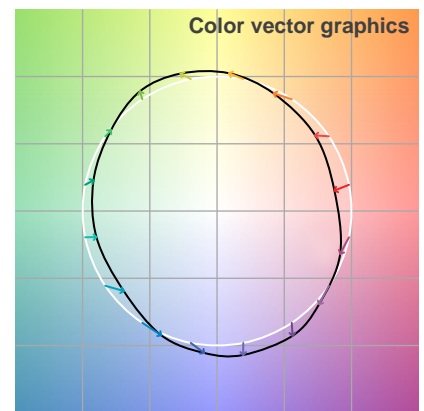
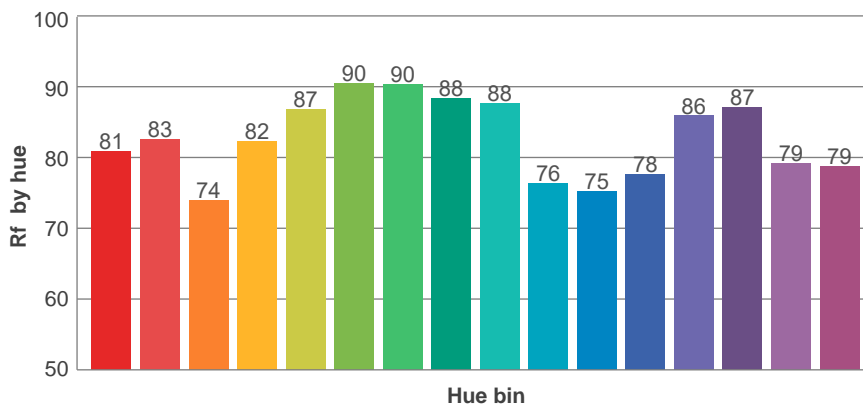
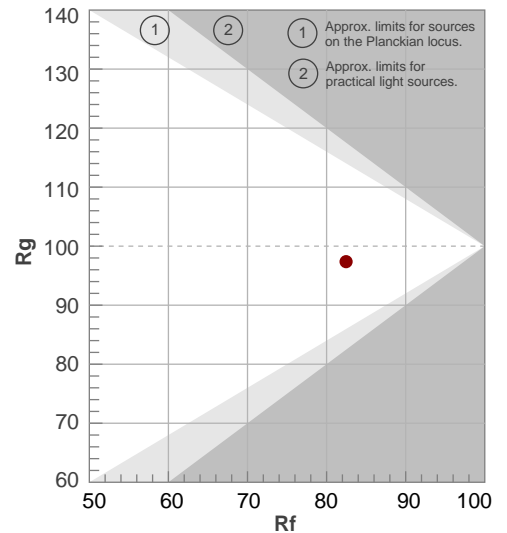
Rf 82.5

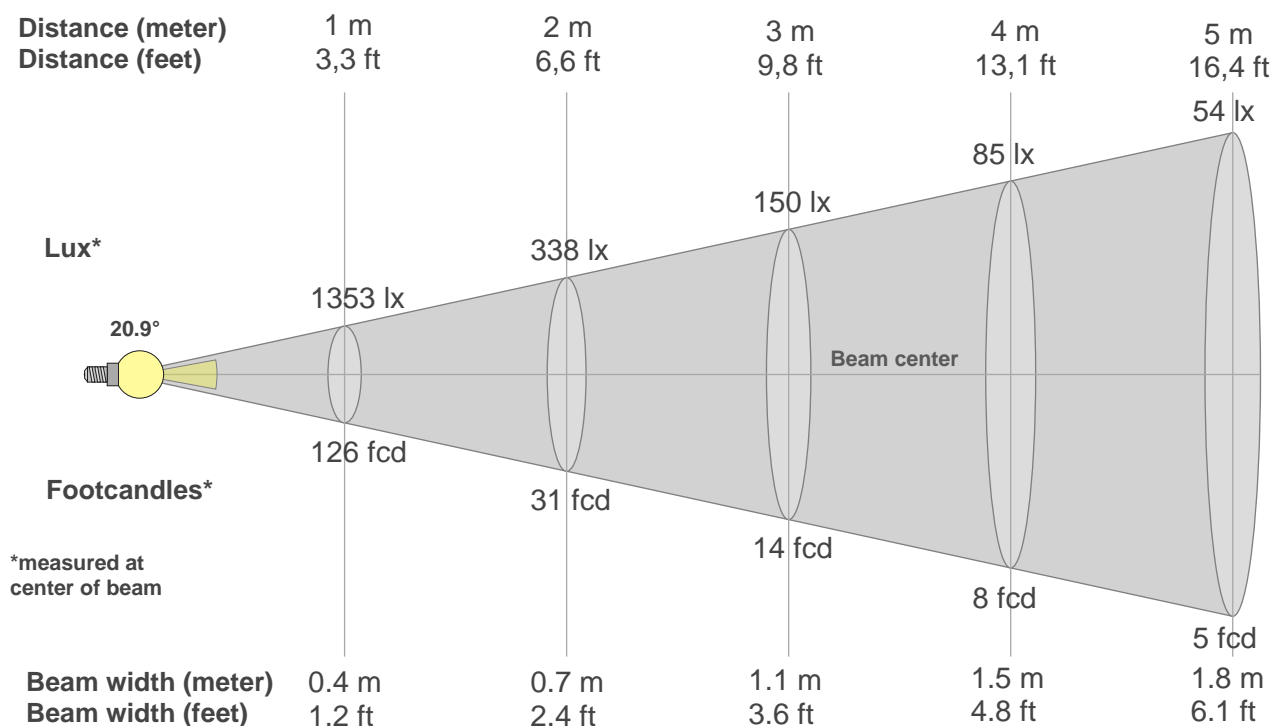
Fidelity index Rf

Rg 97.4

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	81	-11%	-2%
2	83	-8%	6%
3	74	-4%	14%
4	82	2%	11%
5	87	6%	7%
6	90	6%	-2%
7	90	-1%	-6%
8	88	-5%	-4%
9	88	-8%	2%
10	76	-9%	11%
11	75	0%	17%
12	78	5%	11%
13	86	9%	-2%
14	87	8%	-5%
15	79	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
1353lx	338lx	150lx	85lx	54lx	38lx	28lx	21lx	17lx	14lx	11lx	9lx	8lx	7lx	6lx	5lx	5lx	4lx	4lx	3lx
125.7fcd	31.4fcd	14fcd	7.9fcd	5fcd	3.5fcd	2.6fcd	2fcd	1.6fcd	1.3fcd	1fcd	0.9fcd	0.7fcd	0.6fcd	0.6fcd	0.5fcd	0.4fcd	0.4fcd	0.3fcd	0.3fcd

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°
1353	1307	1191	1030	858	718	608	521	458	412	374	349	338	318	284	238	187	147	115	86
100%	97%	88%	76%	63%	53%	45%	39%	34%	30%	28%	26%	25%	23%	21%	18%	14%	11%	8%	6%

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°
1353	1290	1159	988	816	679	575	498	441	397	360	337	326	305	268	221	175	133	99	73
100%	95%	86%	73%	60%	50%	43%	37%	33%	29%	27%	25%	24%	23%	20%	16%	13%	10%	7%	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°
1353	1298	1171	1012	852	715	613	544	489	439	397	369	349	320	279	233	191	154	127	101
100%	96%	87%	75%	63%	53%	45%	40%	36%	32%	29%	27%	26%	24%	21%	17%	14%	11%	9%	7%

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°
1353	1303	1177	1009	832	680	567	495	443	402	369	342	333	310	275	232	186	144	109	79
100%	96%	87%	75%	61%	50%	42%	37%	33%	30%	27%	25%	25%	23%	20%	17%	14%	11%	8%	6%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
{B_ANG}°	69.9°	87.7°	98.4%	95.8%