

Light efficiency:

53 Lumen/Watt

Light quality:

CRI: 82.2

Color temperature:

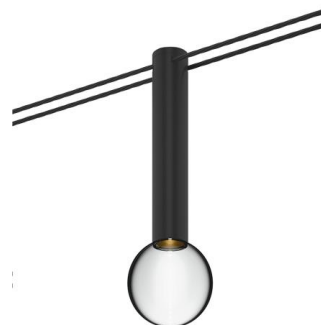
4084 K

Output: 657 lm

Peak: 2013 cd

Power: 12.3 W

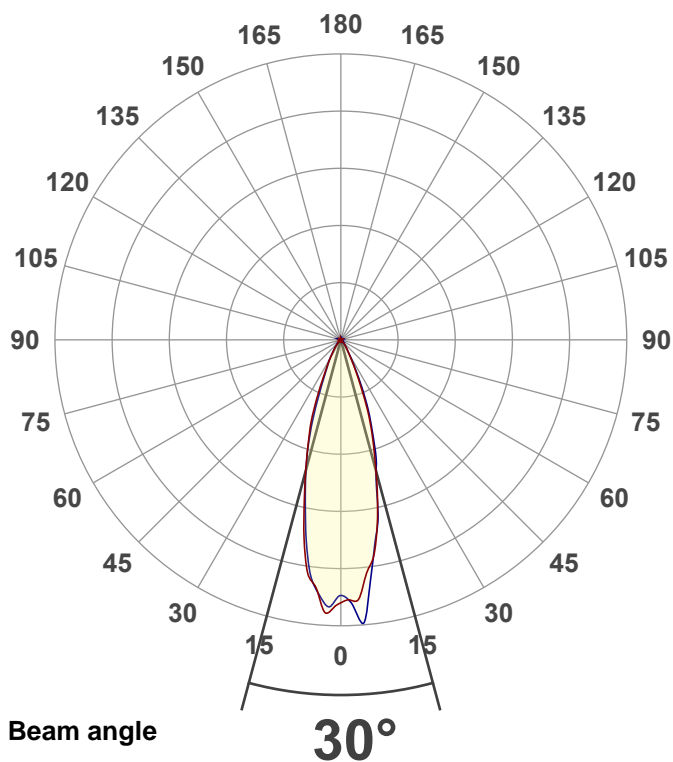
PF: 0.91



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

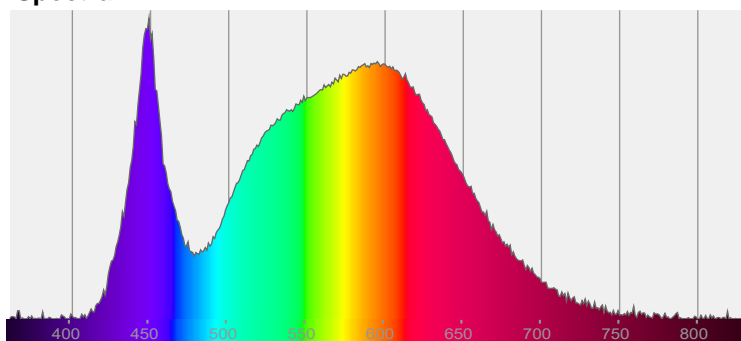
Date and time:

11/4/2021 9:22:53 AM

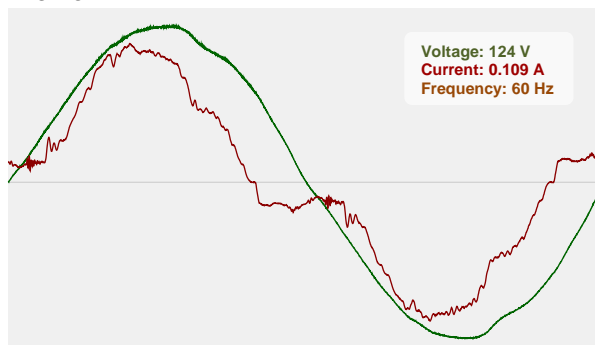


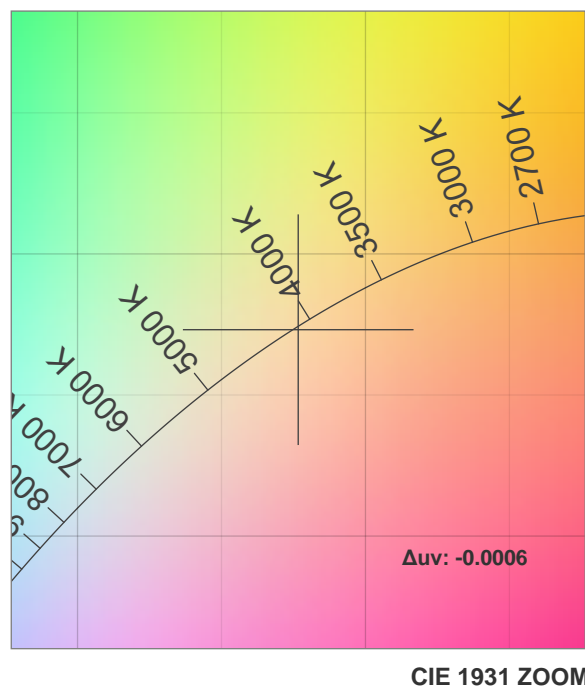
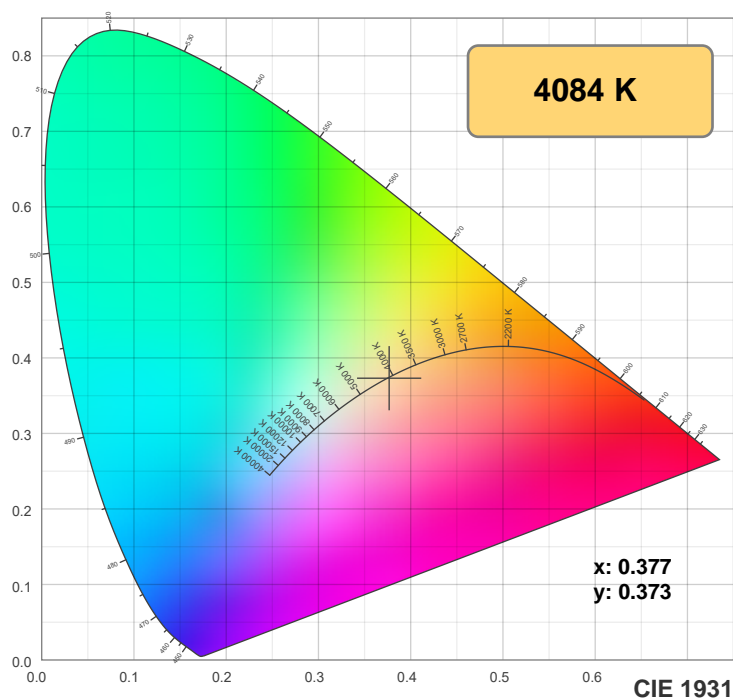
CIE 1931
x: 0.377
y: 0.373

Spectra

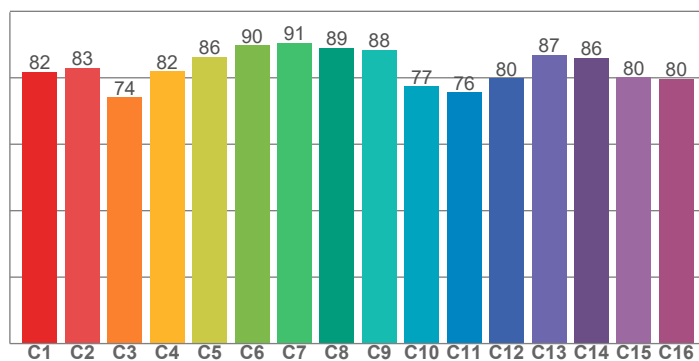


Power

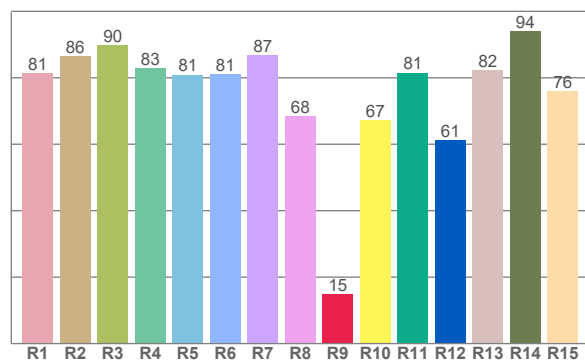




TM30: 82.7



CRI: 82.2 (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
81.3	86.5	89.9	82.9	80.9	81.1	86.8	68.5	14.9	67.3	81.5	61.3	82.2	94.1	75.9

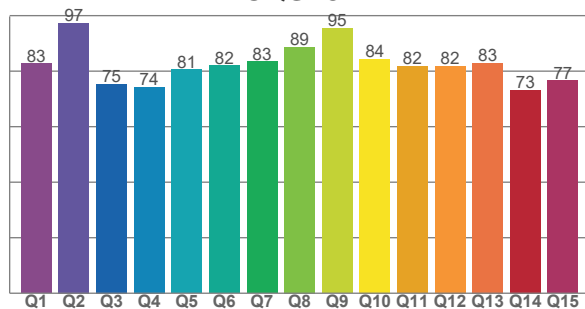
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
81.8	83.0	74.1	81.9	86.2	89.8	90.6	88.9	88.4	77.4	75.6	79.9	86.9	86.0	80.1	79.7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
82.7	97.3	75.3	74.3	80.6	82.0	83.5	88.7	95.4	84.3	81.7	81.9	82.9	73.2	76.6

CQS: 81.4



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
4084 K	82.2	14.9	82.7	98.0	81.4	0.377	0.373	0.224	0.333	-0.0006

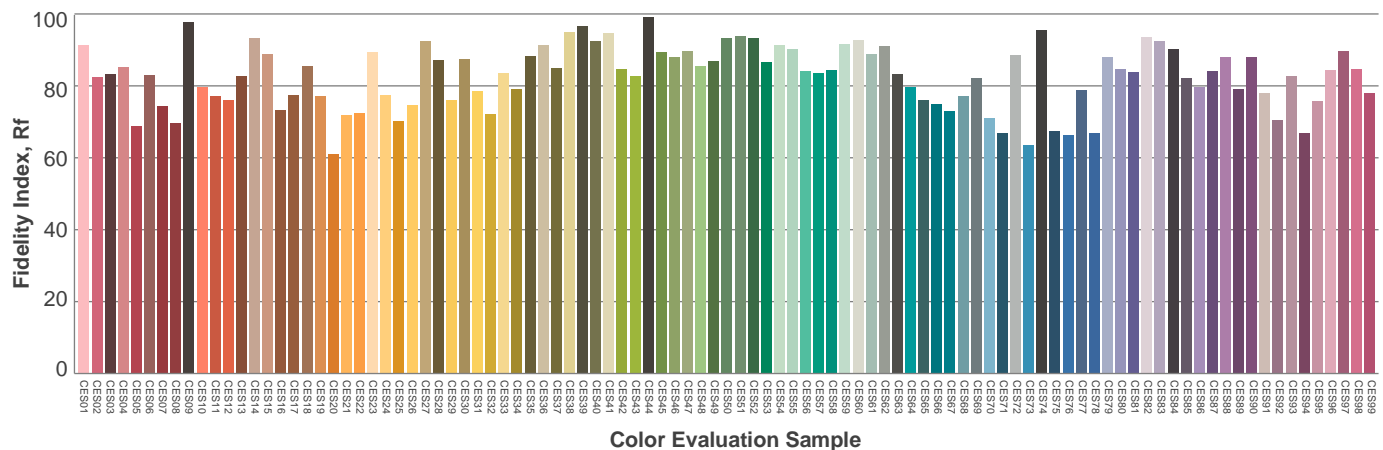
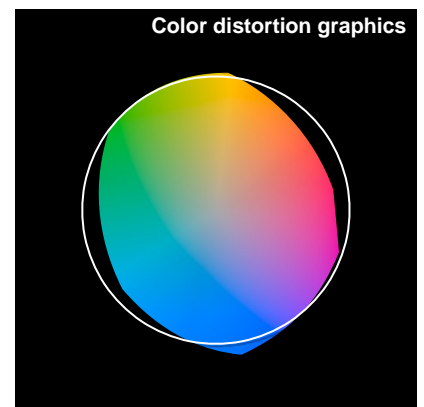
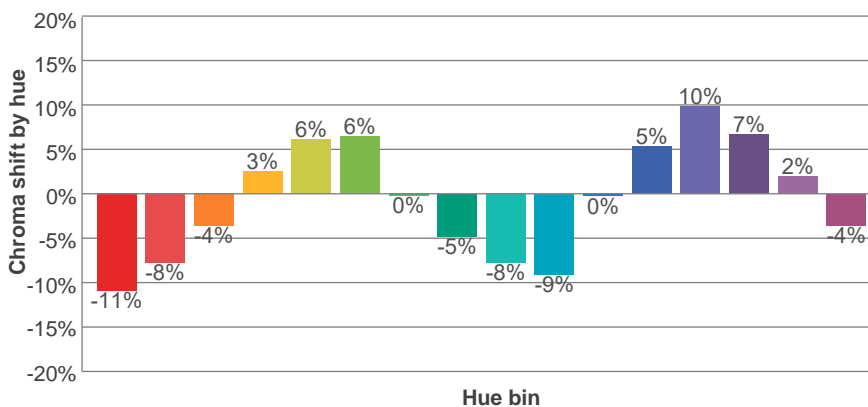
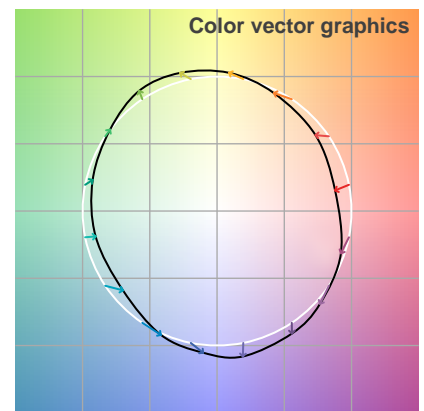
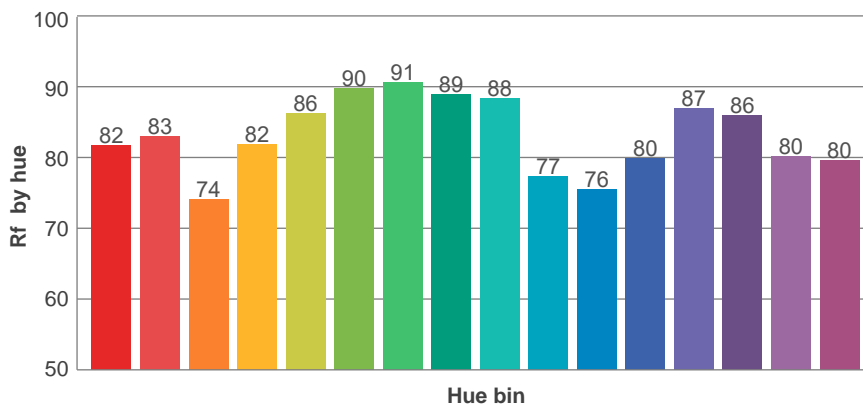
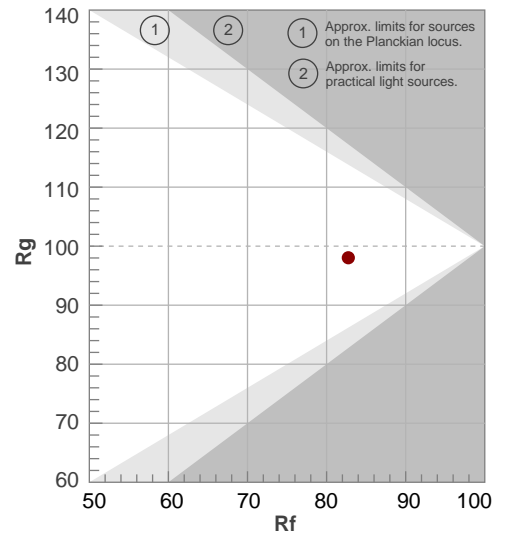
Rf 82.7

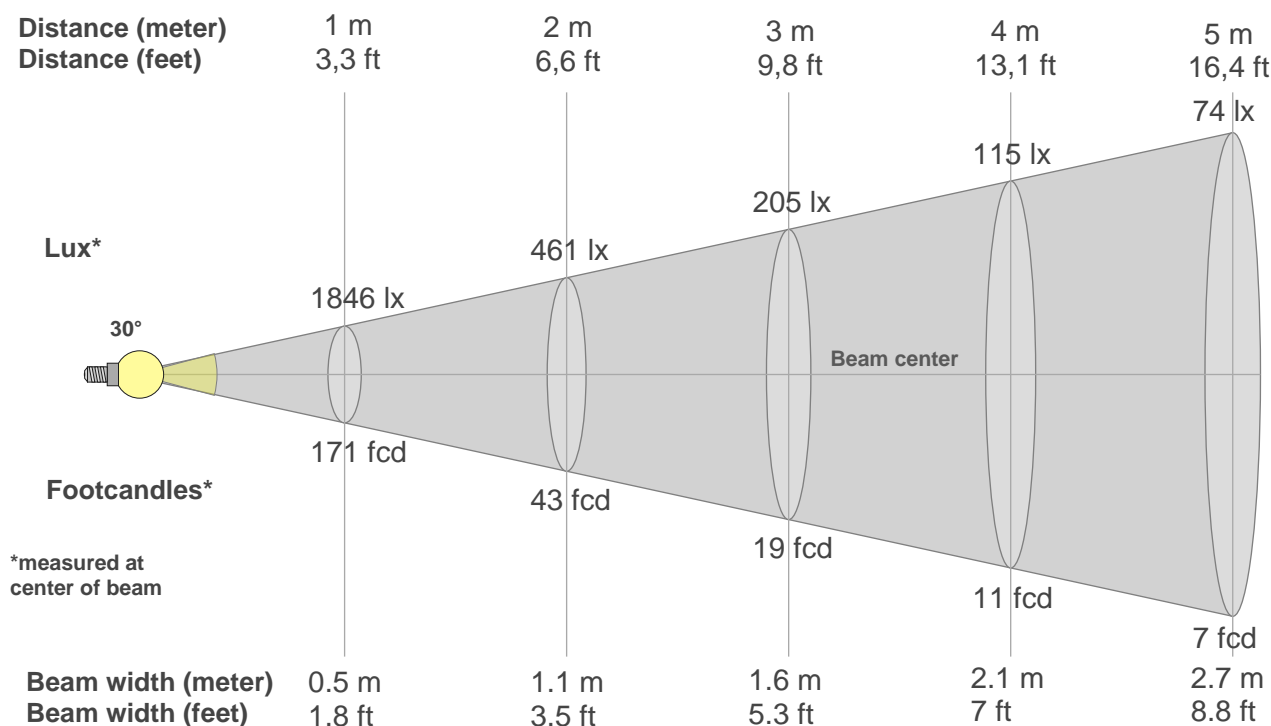
Fidelity index Rf

Rg 98.0

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	82	-11%	-2%
2	83	-8%	6%
3	74	-4%	14%
4	82	3%	11%
5	86	6%	7%
6	90	6%	-1%
7	91	0%	-6%
8	89	-5%	-5%
9	88	-8%	1%
10	77	-9%	10%
11	76	0%	16%
12	80	5%	10%
13	87	10%	-2%
14	86	7%	-4%
15	80	2%	-15%
16	80	-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
1846lx	461lx	205lx	115lx	74lx	51lx	38lx	29lx	23lx	18lx	15lx	13lx	11lx	9lx	8lx	7lx	6lx	6lx	5lx	5lx
171.5fcd	42.9fcd	19.1fcd	10.7fcd	6.9fcd	4.8fcd	3.5fcd	2.7fcd	2.1fcd	1.7fcd	1.4fcd	1.2fcd	1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	0.5fcd	0.5fcd	0.4fcd

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°
1846	1843	1835	1684	1580	1433	1251	1059	874	727	588	443	319	228	162	119	94	76	60	46
100%	100%	99%	91%	86%	78%	68%	57%	47%	39%	32%	24%	17%	12%	9%	6%	5%	4%	3%	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°
1846	1858	1974	1843	1615	1424	1266	1039	910	763	620	491	361	252	180	128	94	72	55	42
100%	101%	107%	100%	88%	77%	69%	56%	49%	41%	34%	27%	20%	14%	10%	7%	5%	4%	3%	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°
1846	1905	1886	1754	1673	1480	1261	1058	885	737	614	474	353	262	200	155	119	93	74	59
100%	103%	102%	95%	91%	80%	68%	57%	48%	40%	33%	26%	19%	14%	11%	8%	6%	5%	4%	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°
1846	1874	1842	1752	1617	1420	1212	1038	875	713	551	400	298	233	192	158	124	94	79	64
100%	102%	100%	95%	88%	77%	66%	56%	47%	39%	30%	22%	16%	13%	10%	9%	7%	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}°	55.6°	77.1°	95.6%	94.8%