

Light efficiency:

36 Lumen/Watt

Light quality:

CRI: 80.3

Color temperature:

3961 K

Output: 456 lm

Peak: 846 cd

Power: 12.5 W

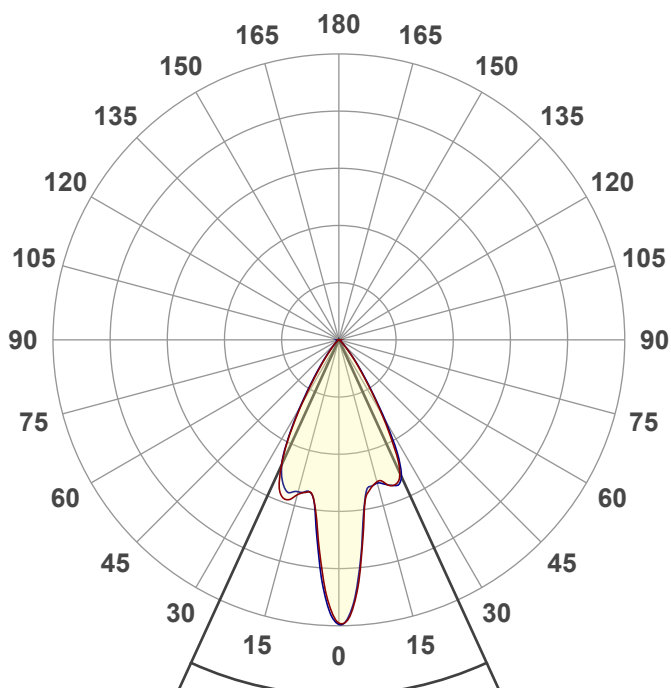
PF: 0.91



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

Date and time:

11/3/2021 2:21:09 PM



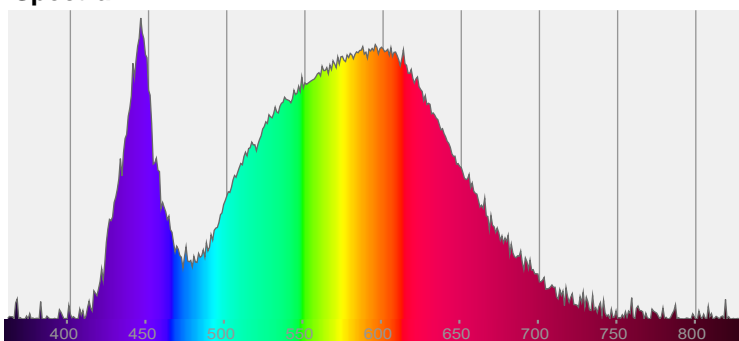
Beam angle

49.2°

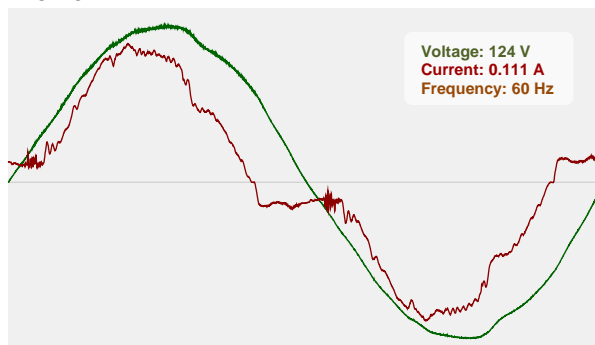


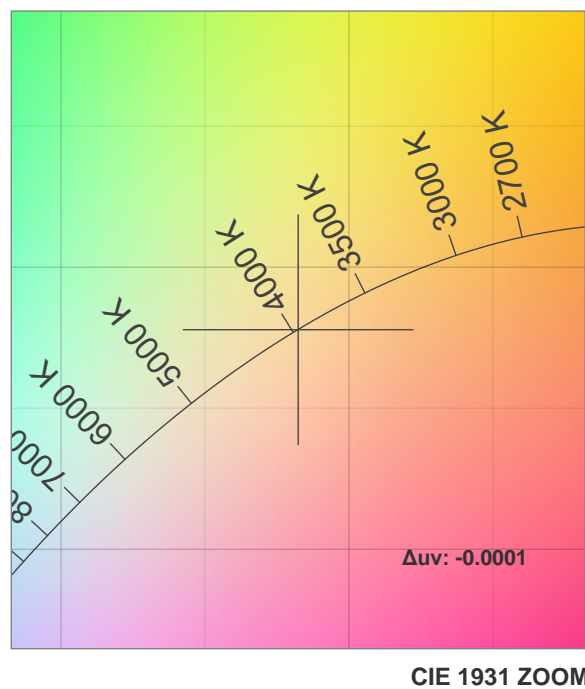
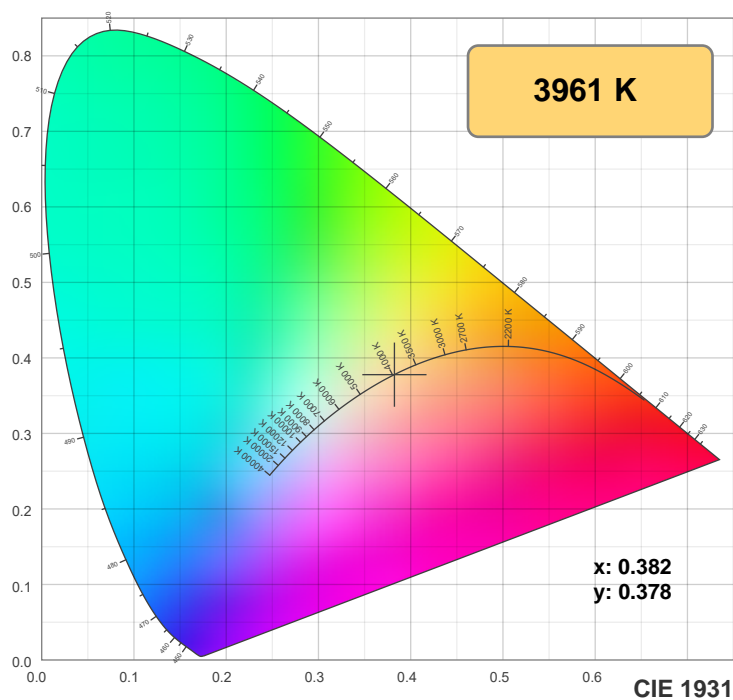
CIE 1931  
x: 0.382  
y: 0.378

Spectra

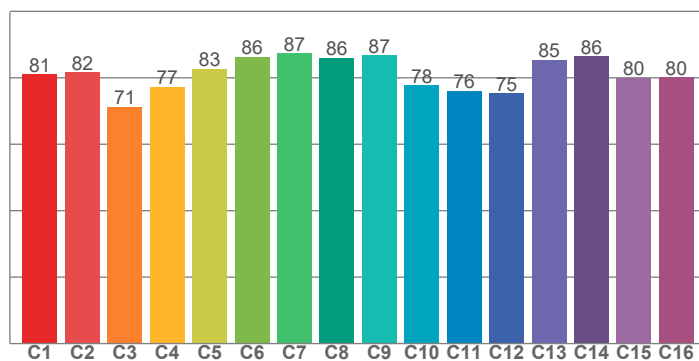


Power

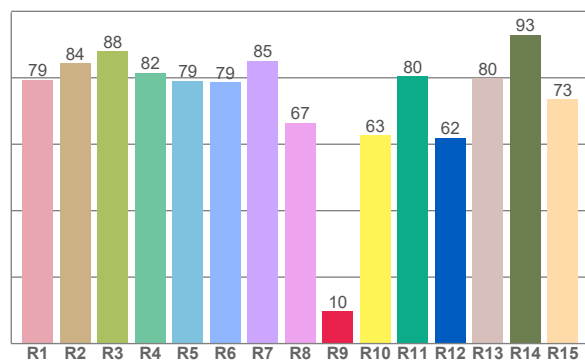




TM30: 81.0



CRI: 80.3 (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
79.4	84.3	88.0	81.5	79.1	78.7	85.2	66.5	9.7	62.8	80.5	61.9	79.8	93.0	73.5

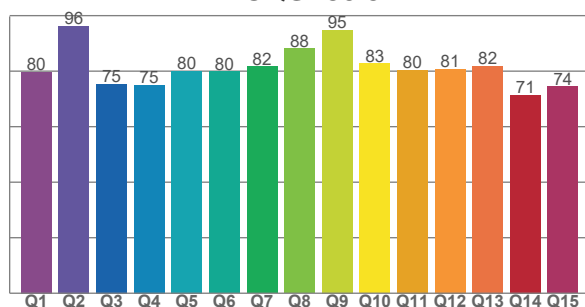
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
81.0	81.7	71.2	77.3	82.6	86.3	87.3	86.0	86.8	77.7	76.0	75.3	85.4	86.4	79.9	80.1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
79.7	96.2	75.4	75.0	80.1	79.9	81.6	88.2	94.9	82.7	80.4	80.8	81.9	71.4	74.5

CQS: 80.3



## 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
3961 K	80.3	9.7	81.0	98.9	80.3	0.382	0.378	0.226	0.335	-0.0001

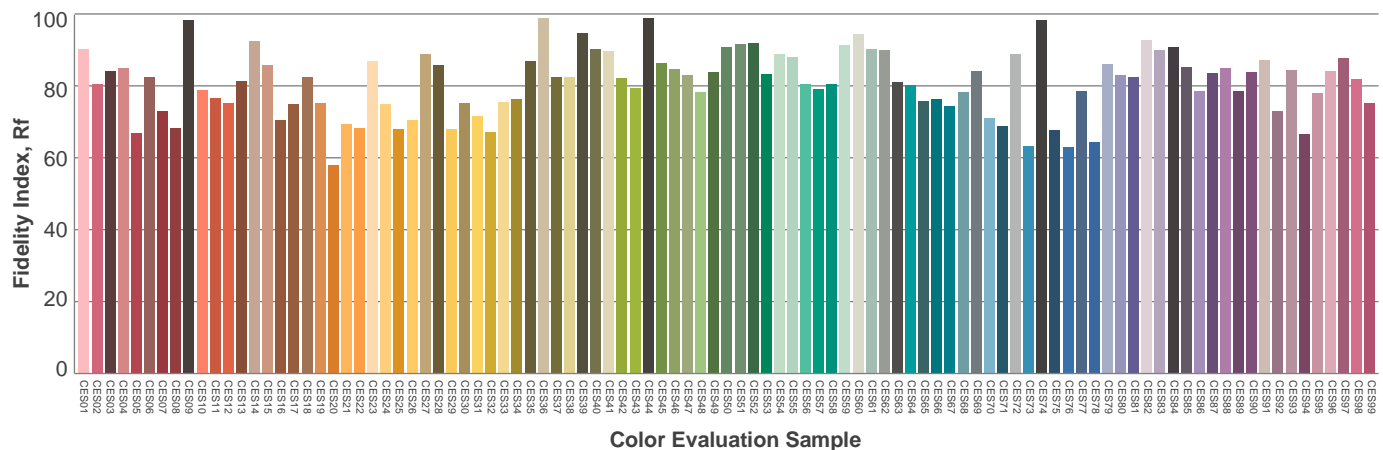
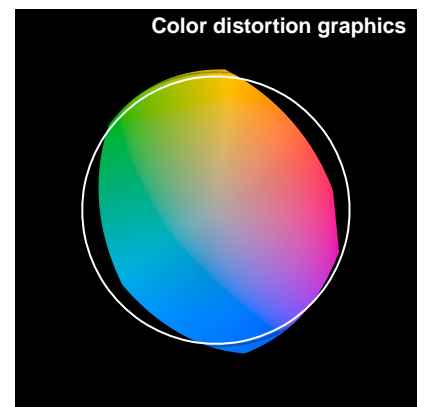
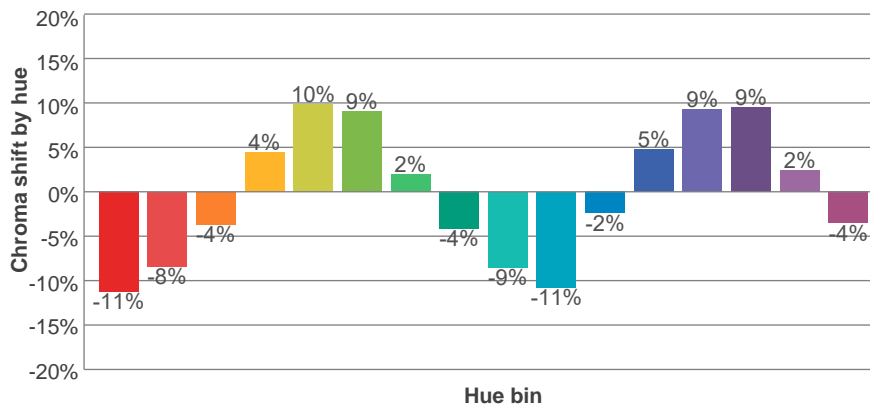
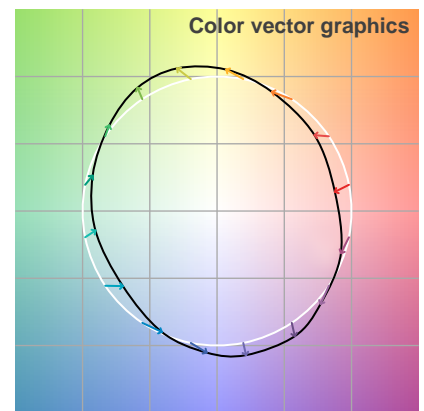
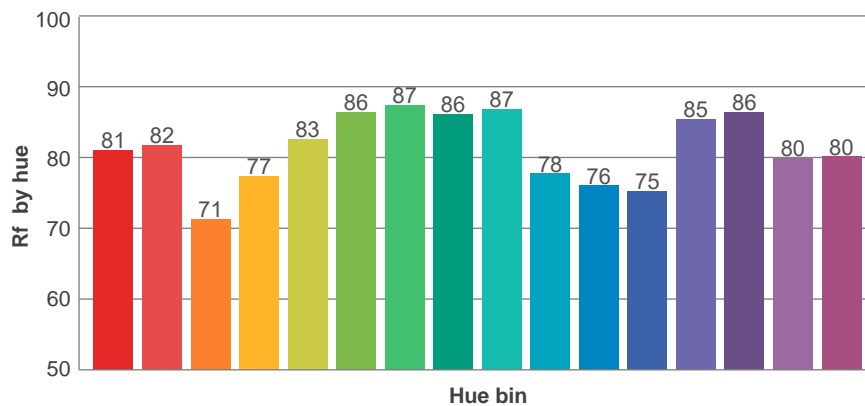
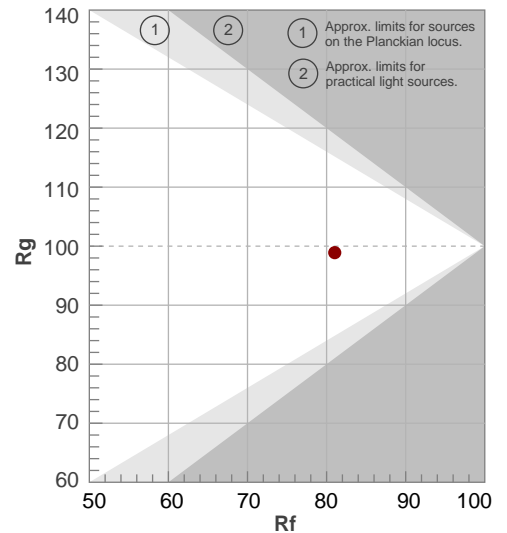
**Rf 81.0**

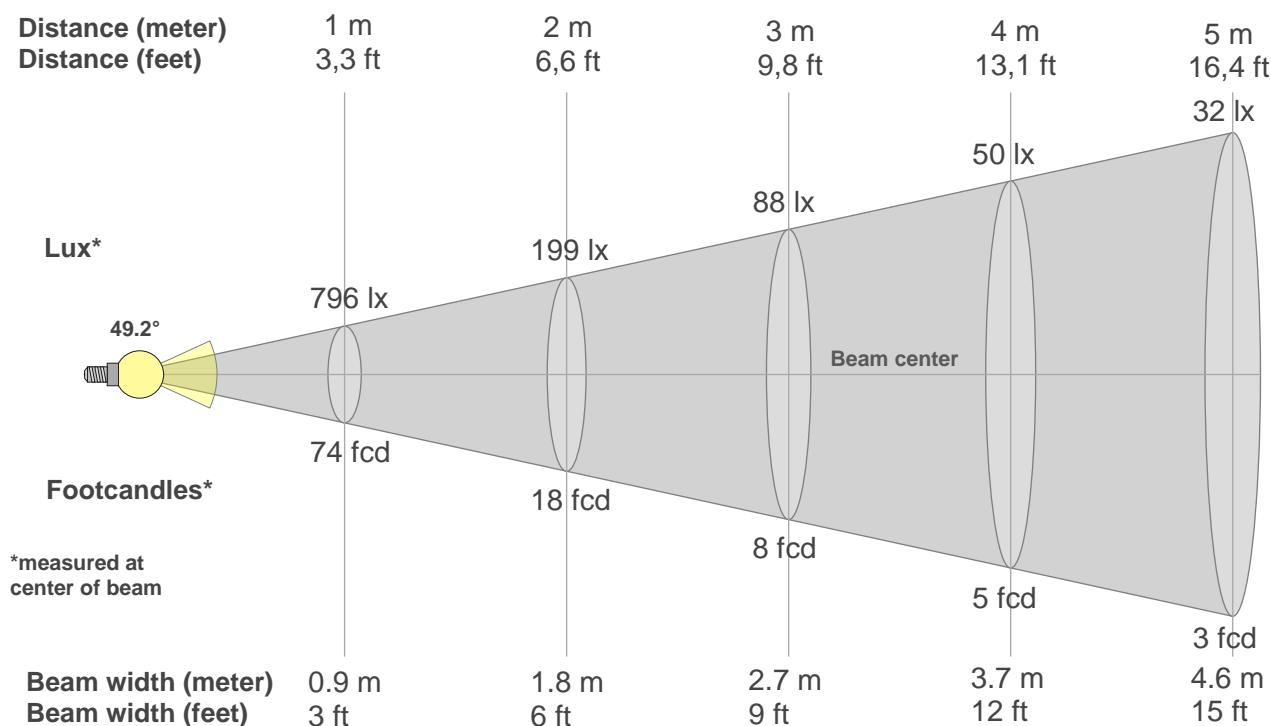
Fidelity index Rf

**Rg 98.9**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	81	-11%	-3%
2	82	-8%	7%
3	71	-4%	15%
4	77	4%	14%
5	83	10%	8%
6	86	9%	-2%
7	87	2%	-8%
8	86	-4%	-8%
9	87	-9%	-3%
10	78	-11%	8%
11	76	-2%	16%
12	75	5%	13%
13	85	9%	0%
14	86	9%	-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
796lx	199lx	88lx	50lx	32lx	22lx	16lx	12lx	10lx	8lx	7lx	6lx	5lx	4lx	4lx	3lx	3lx	2lx	2lx	2lx
73.9fcd	18.5fcd	8.2fcd	4.6fcd	3fcd	2.1fcd	1.5fcd	1.2fcd	0.9fcd	0.7fcd	0.6fcd	0.5fcd	0.4fcd	0.4fcd	0.3fcd	0.3fcd	0.3fcd	0.2fcd	0.2fcd	0.2fcd

#### 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°
796	789	716	615	518	453	431	420	416	428	437	436	421	384	315	246	183	131	94	70
100%	99%	90%	77%	65%	57%	54%	53%	52%	54%	55%	55%	53%	48%	40%	31%	23%	17%	12%	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°
796	775	707	606	501	446	427	422	422	430	438	442	429	393	336	261	192	142	104	74
100%	97%	89%	76%	63%	56%	54%	53%	53%	54%	55%	56%	54%	49%	42%	33%	24%	18%	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°
796	747	662	566	484	442	442	449	463	473	470	450	405	347	281	211	148	102	73	51
100%	94%	83%	71%	61%	56%	56%	56%	58%	59%	59%	57%	51%	44%	35%	26%	19%	13%	9%	6%

#### 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°
796	763	684	580	493	449	440	445	446	454	445	426	396	353	287	221	163	117	83	58
100%	96%	86%	73%	62%	56%	55%	56%	56%	57%	56%	54%	50%	44%	36%	28%	20%	15%	10%	7%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
{B_ANG}°	73.1°	88.4°	98.4%	96.3%