

Light efficiency:

62 Lumen/Watt

Light quality:

CRI: 80.4

Color temperature:

3976 K

Output: 769 lm

Peak: 5589 cd

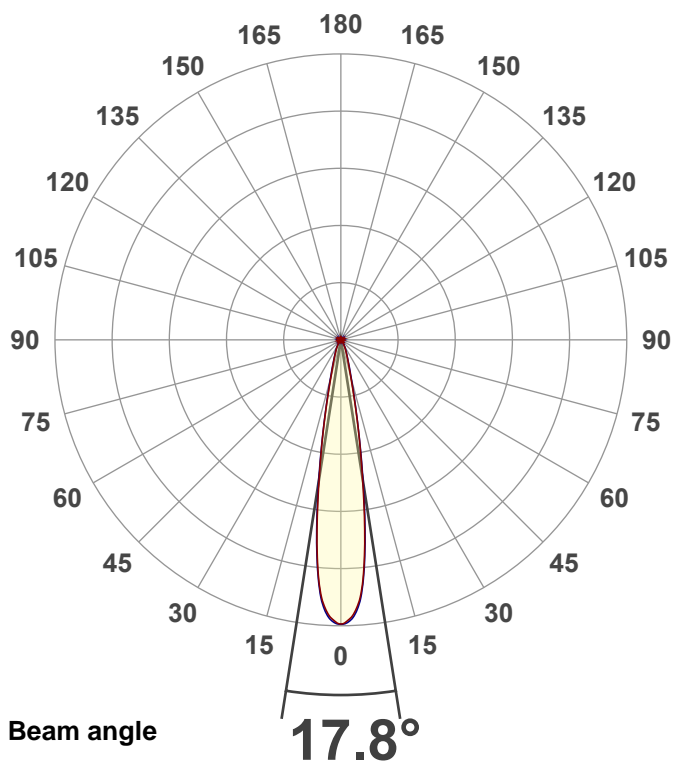
Power: 12.5 W

PF: 0.91



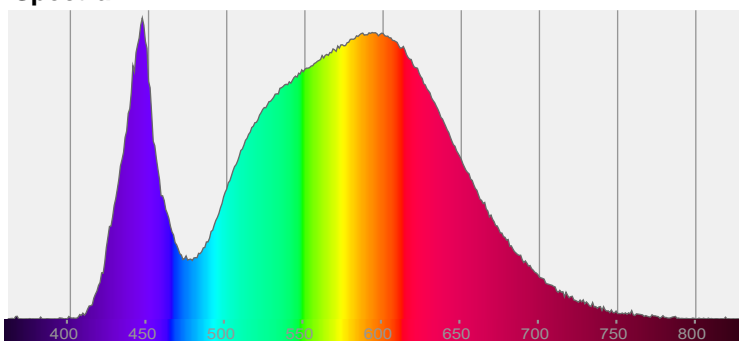
EXT-SKY-D-SW-10LM-40K-80-20D-24-BK-BK-SHADE

Date and time:  
11/2/2021 12:22:08 PM

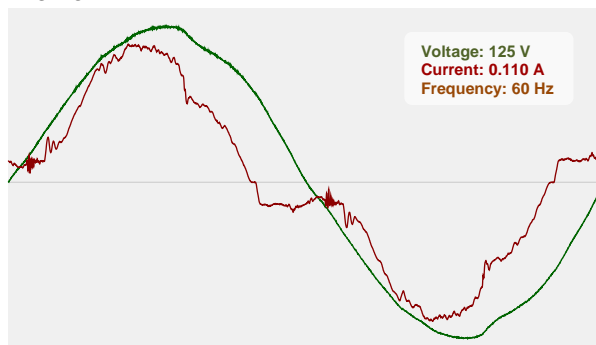


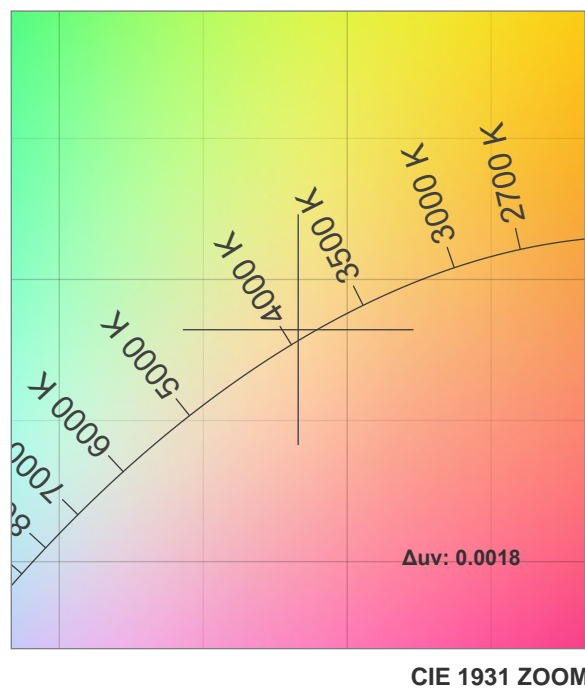
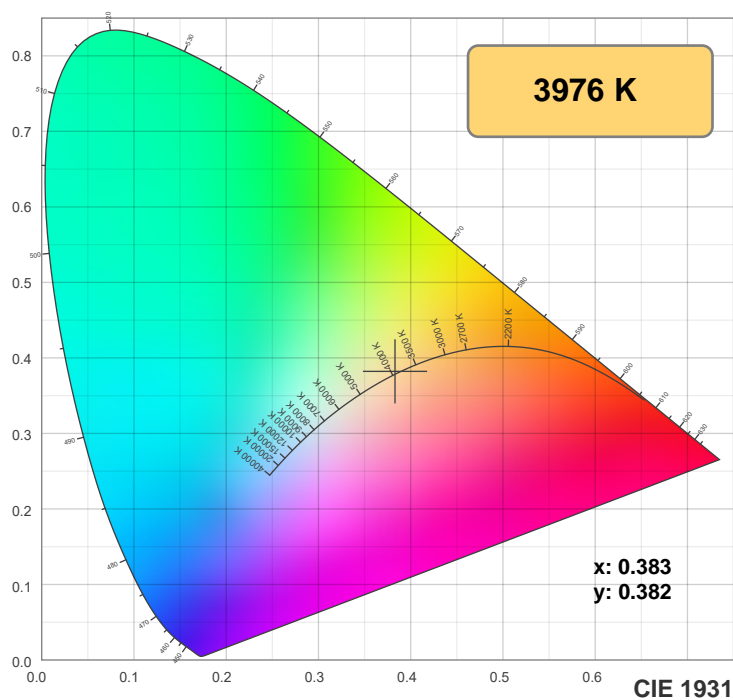
CIE 1931  
x: 0.383  
y: 0.382

Spectra

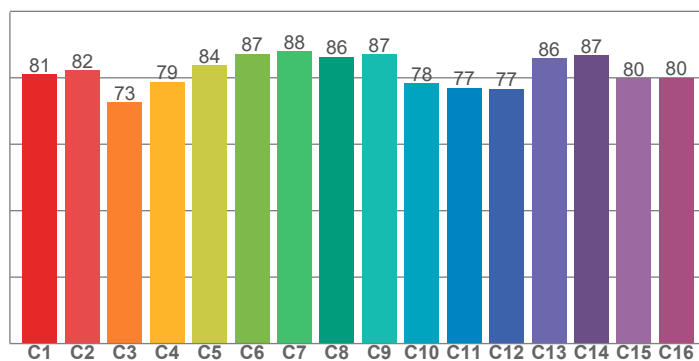


Power

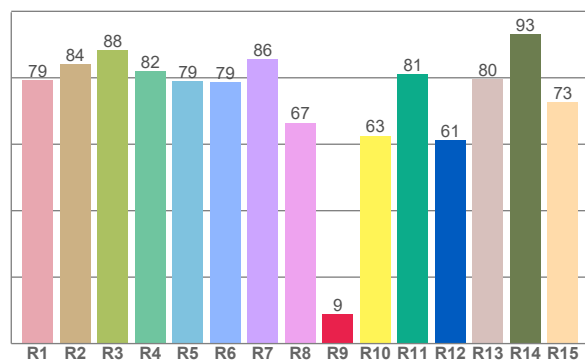




TM30: 81.7



CRI: 80.4 (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
79.2	84.1	88.2	81.9	79.0	78.7	85.6	66.5	8.8	62.5	81.0	61.3	79.6	93.1	72.7

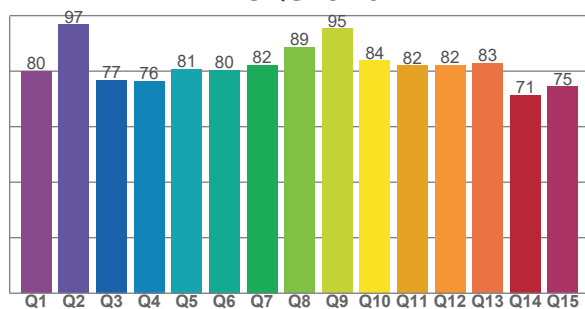
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
81.1	82.3	72.6	78.7	83.7	87.1	87.9	86.3	87.1	78.4	77.0	76.6	85.8	86.8	79.9	80.0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
79.9	96.7	76.8	76.4	80.8	80.3	82.2	88.6	95.3	83.8	82.0	82.2	82.8	71.3	74.5

CQS: 81.0



## 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	$\Delta uv$
3976 K	80.4	8.8	81.7	98.5	81.0	0.383	0.382	0.225	0.336	0.0018

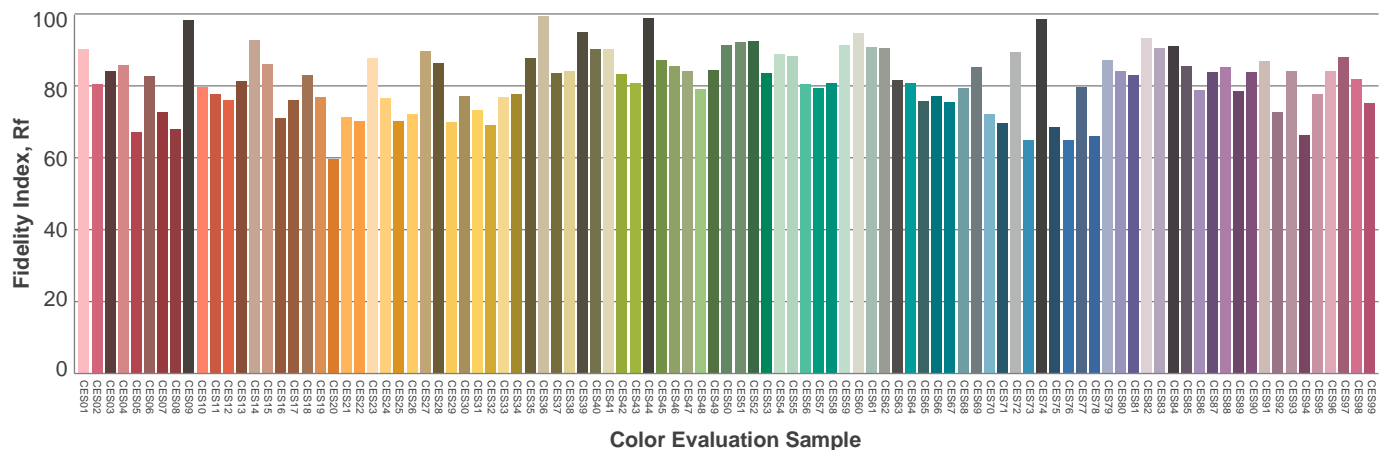
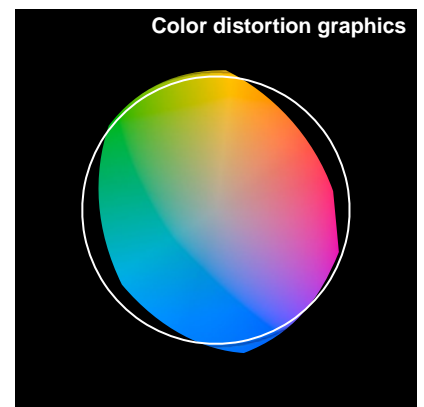
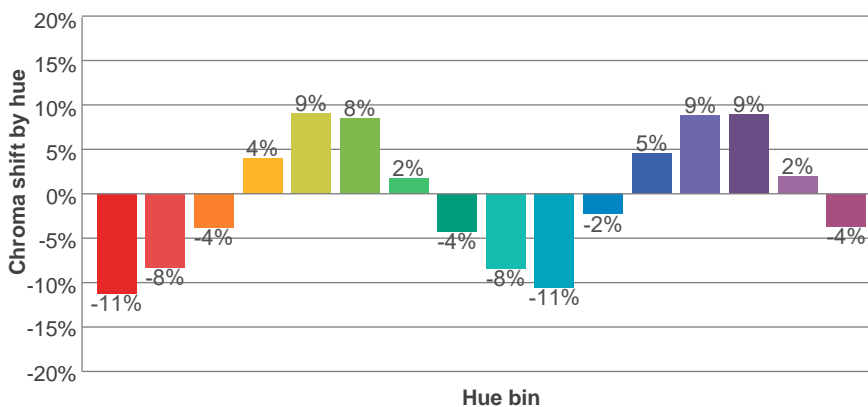
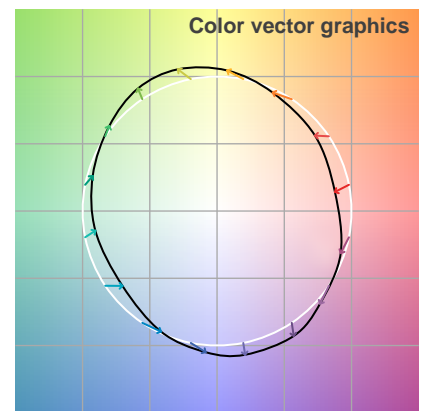
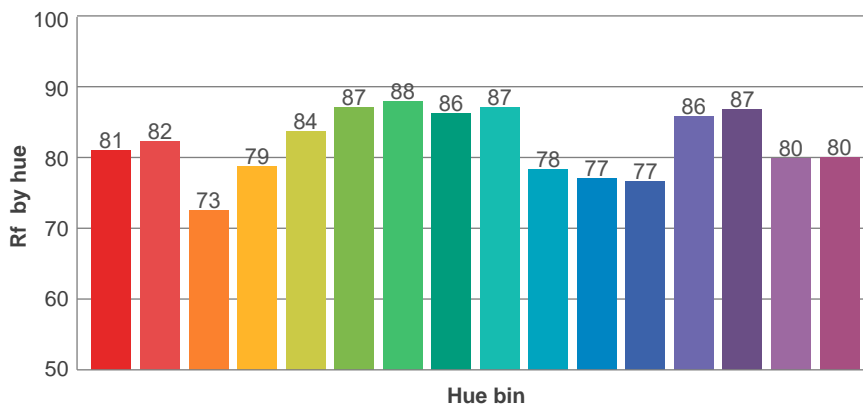
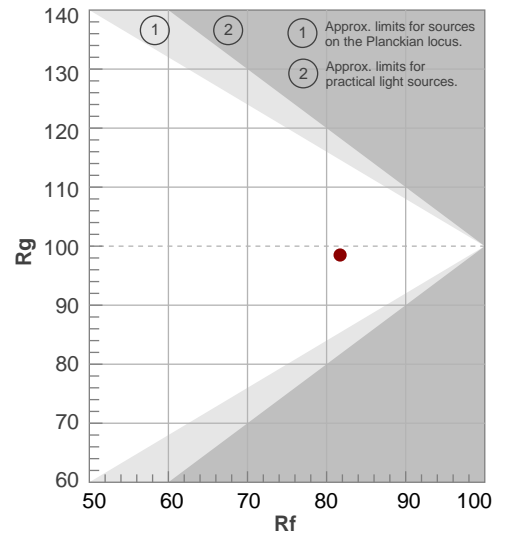
**Rf 81.7**

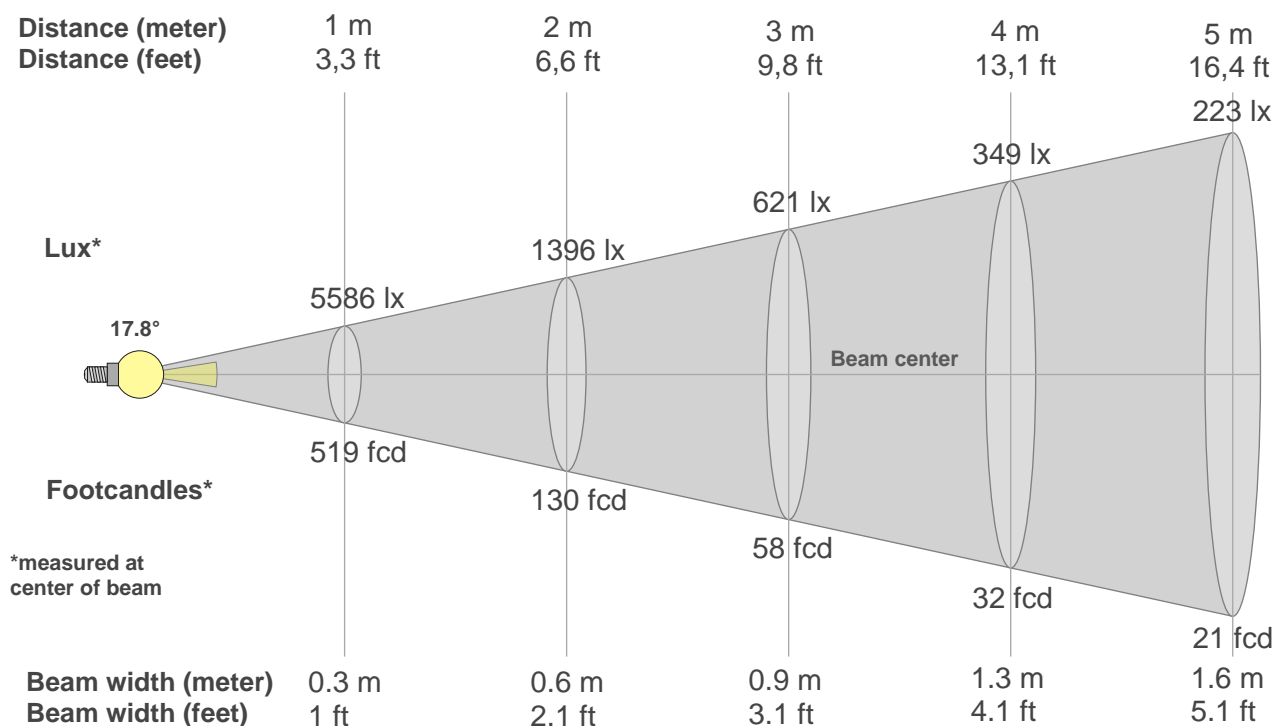
Fidelity index Rf

**Rg 98.5**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	81	-11%	-3%
2	82	-8%	6%
3	73	-4%	14%
4	79	4%	13%
5	84	9%	8%
6	87	8%	-2%
7	88	2%	-8%
8	86	-4%	-8%
9	87	-8%	-3%
10	78	-11%	7%
11	77	-2%	15%
12	77	5%	12%
13	86	9%	0%
14	87	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
5586lx	1396lx	621lx	349lx	223lx	155lx	114lx	87lx	69lx	56lx	46lx	39lx	33lx	28lx	25lx	22lx	19lx	17lx	15lx	14lx
518.9fcd	129.7fcd	57.7fcd	32.4fcd	20.8fcd	14.4fcd	10.6fcd	8.1fcd	6.4fcd	5.2fcd	4.3fcd	3.6fcd	3.1fcd	2.6fcd	2.3fcd	2fcd	1.8fcd	1.6fcd	1.4fcd	1.3fcd

#### Intensities in 0° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
5586	5547	5469	5339	5143	4831	4386	3848	3264	2705	2218	1808	1446	1148	922	753	631	544	473	418
100%	99%	98%	96%	92%	86%	79%	69%	58%	48%	40%	32%	26%	21%	17%	13%	11%	10%	8%	7%

#### Intensities in 90° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
5586	5573	5510	5389	5188	4868	4428	3906	3340	2777	2266	1825	1466	1185	968	802	680	587	507	439
100%	100%	99%	96%	93%	87%	79%	70%	60%	50%	41%	33%	26%	21%	17%	14%	12%	11%	9%	8%

#### Intensities in 180° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
5586	5547	5469	5339	5143	4831	4386	3848	3264	2705	2218	1808	1446	1148	922	753	631	544	473	418
100%	99%	98%	96%	92%	86%	79%	69%	58%	48%	40%	32%	26%	21%	17%	13%	11%	10%	8%	7%

#### Intensities in 270° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
5586	5573	5510	5389	5188	4868	4428	3906	3340	2777	2266	1825	1466	1185	968	802	680	587	507	439
100%	100%	99%	96%	93%	87%	79%	70%	60%	50%	41%	33%	26%	21%	17%	14%	12%	11%	9%	8%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
{B_ANG}°	34.2°	59.6°	98.7%	98.5%