

Light efficiency:

56 Lumen/Watt

Light quality:

CRI: 80.6

Color temperature:

3980 K

Output: 699 lm

Peak: 3274 cd

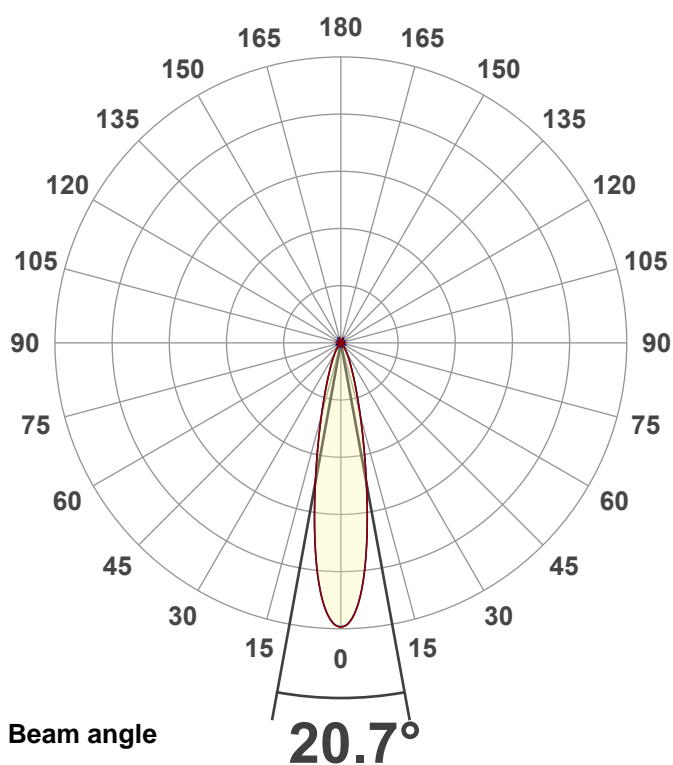
Power: 12.5 W

PF: 0.91



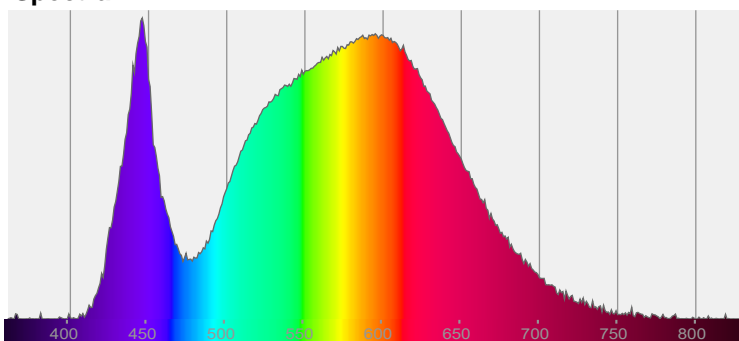
EXT-SKY-D-SW-10LM-40K-80-20D-24-BK-BK-DGLOBE

Date and time:
11/2/2021 3:07:53 PM

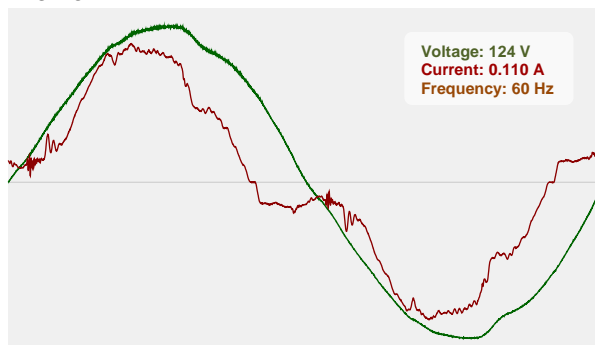


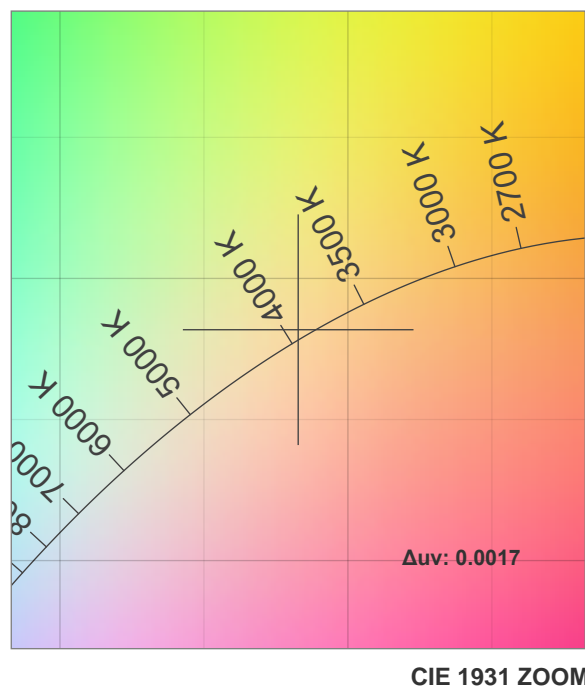
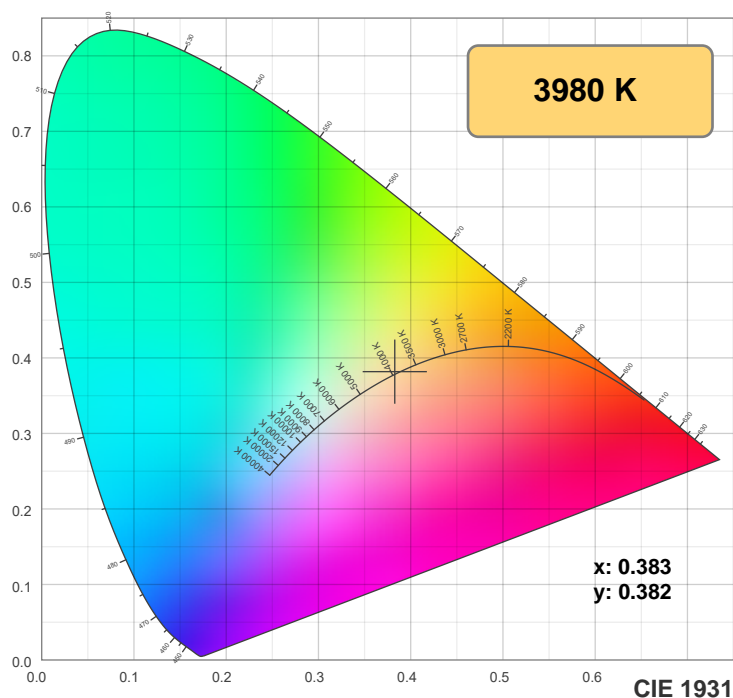
CIE 1931
x: 0.383
y: 0.382

Spectra



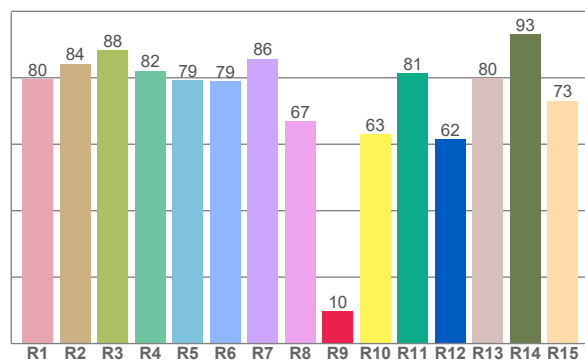
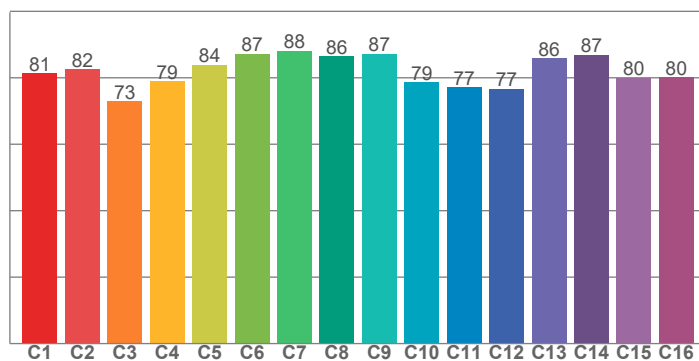
Power





TM30: 81.9

CRI: 80.6 (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
79.5	84.2	88.3	82.1	79.2	78.9	85.7	66.9	9.8	62.9	81.4	61.5	79.9	93.2	73.1

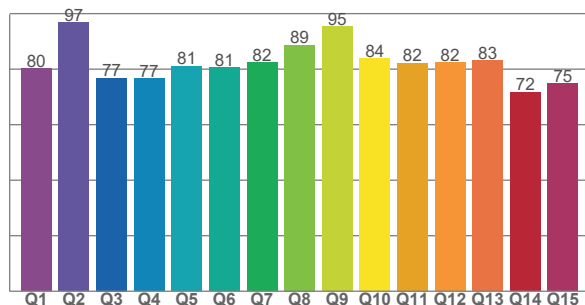
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
81.3	82.5	72.9	79.0	83.9	87.2	88.1	86.5	87.2	78.6	77.1	76.7	85.9	86.9	80.0	80.1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
80.2	96.7	76.9	76.6	81.0	80.6	82.4	88.8	95.3	83.9	82.2	82.4	83.0	71.7	74.8

CQS: 81.2



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
3980 K	80.6	9.8	81.9	98.6	81.2	0.383	0.382	0.225	0.336	0.0017

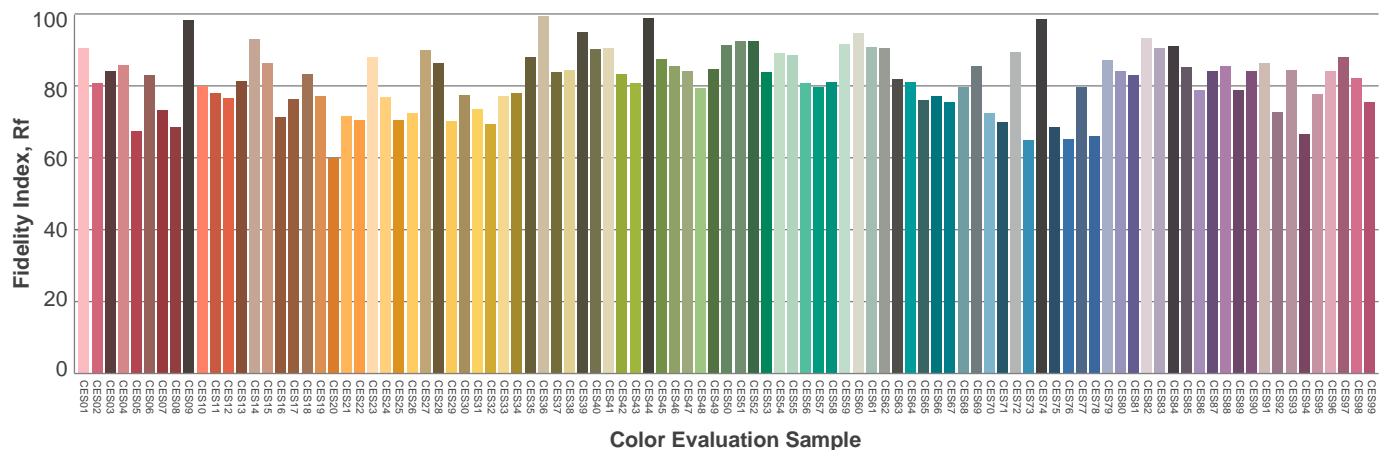
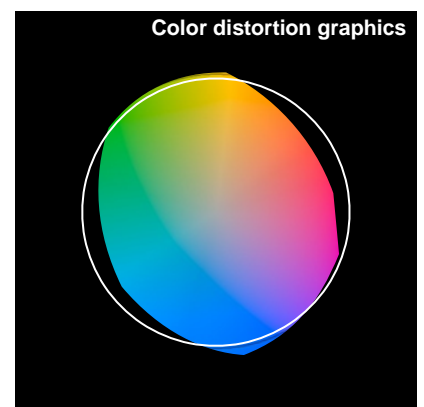
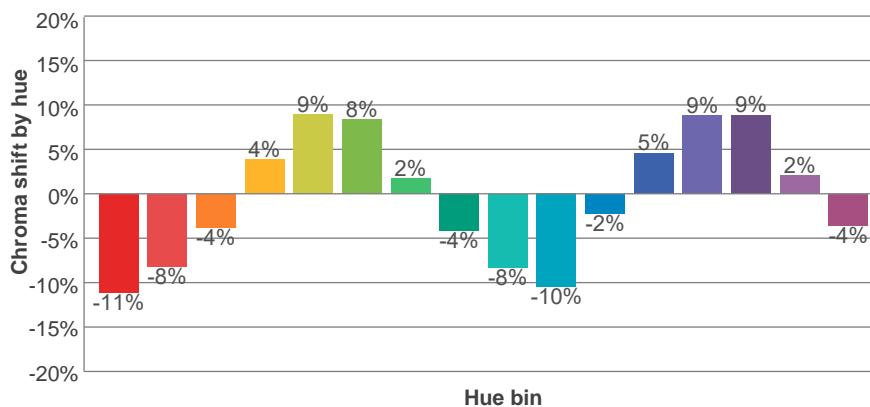
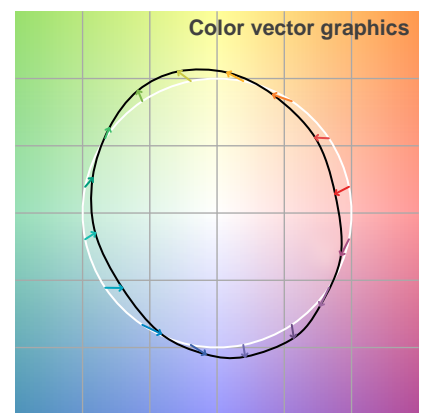
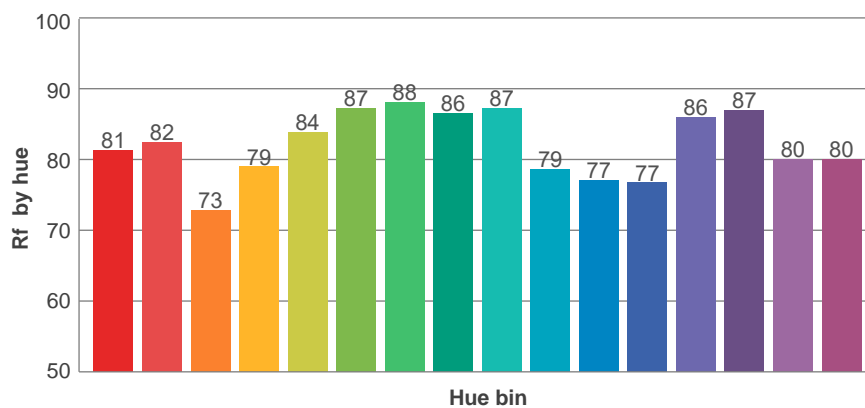
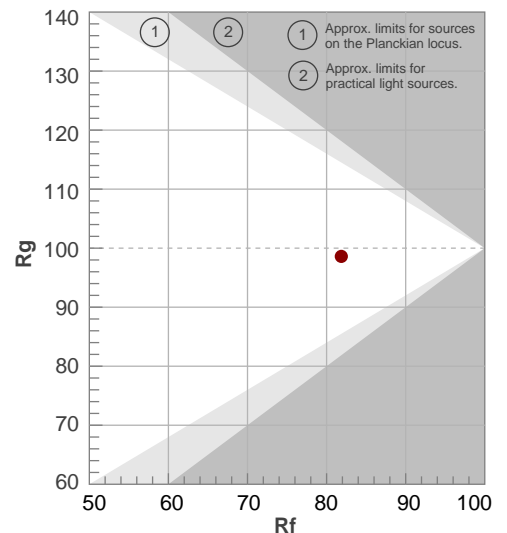
Rf 81.9

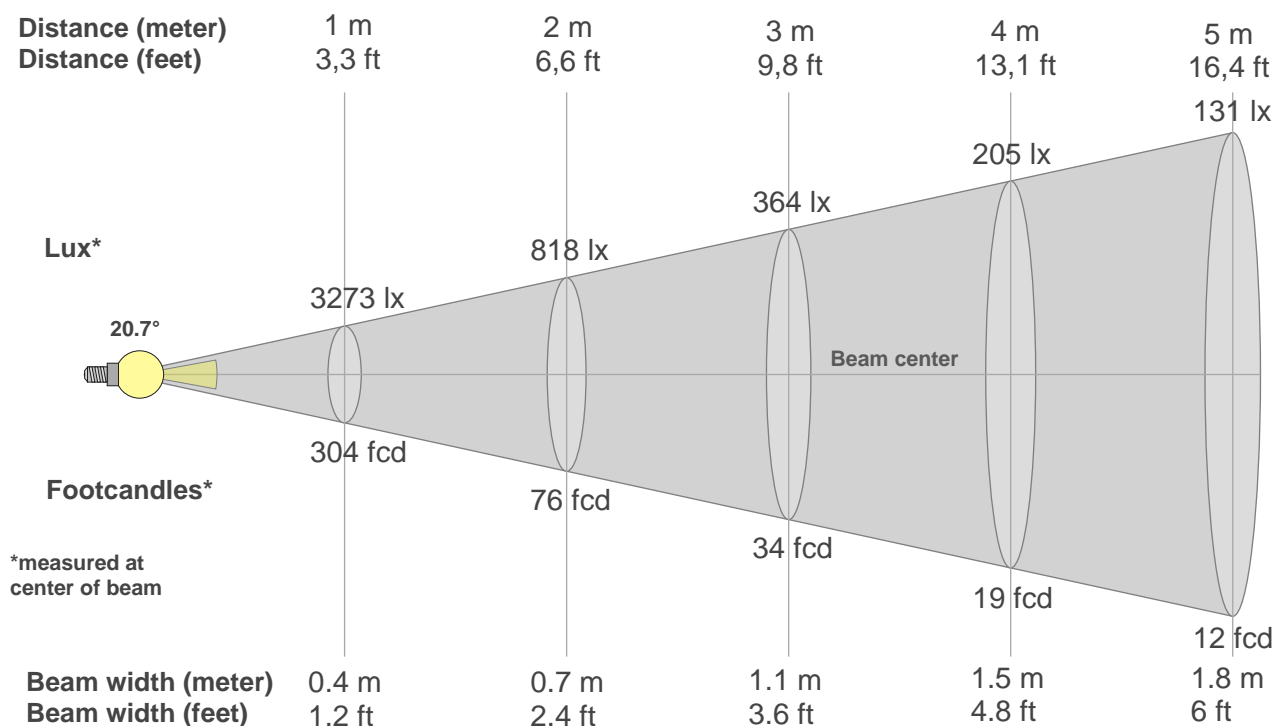
Fidelity index Rf

Rg 98.6

Gammut index Rg

Hue Bin	R _f	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%	-7%
9	87	-8%	-3%
10	79	-10%	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
3273lx	818lx	364lx	205lx	131lx	91lx	67lx	51lx	40lx	33lx	27lx	23lx	19lx	17lx	15lx	13lx	11lx	10lx	9lx	8lx
304fcd	76fcd	33.8fcd	19fcd	12.2fcd	8.4fcd	6.2fcd	4.8fcd	3.8fcd	3fcd	2.5fcd	2.1fcd	1.8fcd	1.6fcd	1.4fcd	1.2fcd	1.1fcd	0.9fcd	0.8fcd	0.8fcd

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°
3273	3201	2983	2627	2176	1714	1309	989	745	564	435	338	267	214	172	139	112	88	68	51
100%	98%	91%	80%	66%	52%	40%	30%	23%	17%	13%	10%	8%	7%	5%	4%	3%	3%	2%	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°
3273	3198	2980	2622	2169	1709	1312	994	753	574	444	346	273	219	176	142	113	89	70	53
100%	98%	91%	80%	66%	52%	40%	30%	23%	18%	14%	11%	8%	7%	5%	4%	3%	3%	2%	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°
3273	3201	2983	2627	2176	1714	1309	989	745	564	435	338	267	214	172	139	112	88	68	51
100%	98%	91%	80%	66%	52%	40%	30%	23%	17%	13%	10%	8%	7%	5%	4%	3%	3%	2%	2%

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°
3273	3198	2980	2622	2169	1709	1312	994	753	574	444	346	273	219	176	142	113	89	70	53
100%	98%	91%	80%	66%	52%	40%	30%	23%	18%	14%	11%	8%	7%	5%	4%	3%	3%	2%	2%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
{B_ANG}°	44.8°	69.8°	95.1%	93.5%