

Light efficiency:

48 Lumen/Watt

Light quality:

CRI: 82.1

Color temperature:

4037 K

Output: 596 lm

Peak: 2352 cd

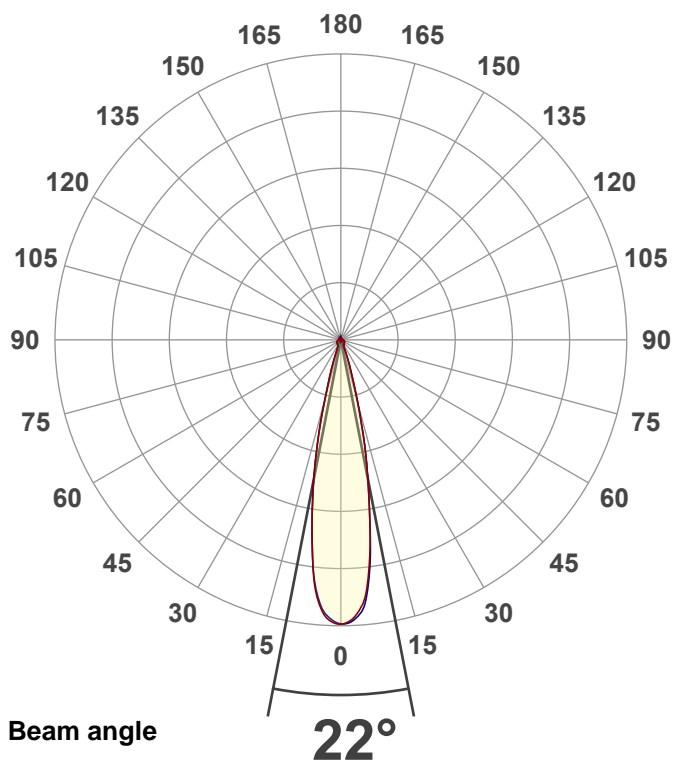
Power: 12.3 W

PF: 0.91



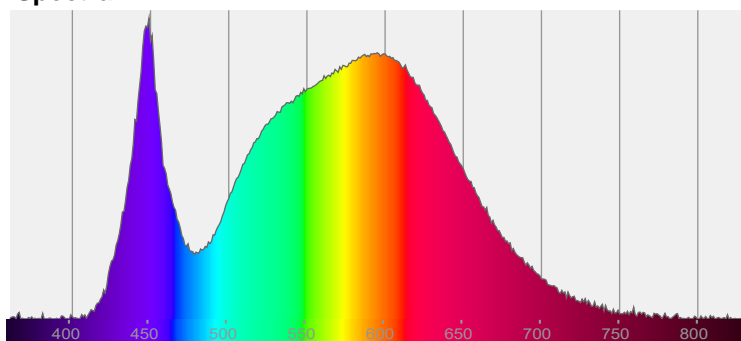
EXT-SKY-D-SW-10LM-40K-80-30D-24-BK-BK-OGLOBE

Date and time:
11/4/2021 9:30:53 AM

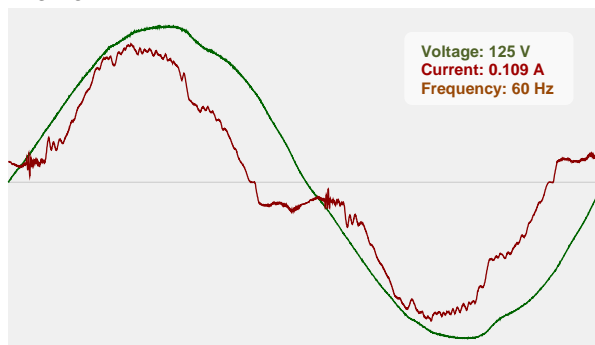


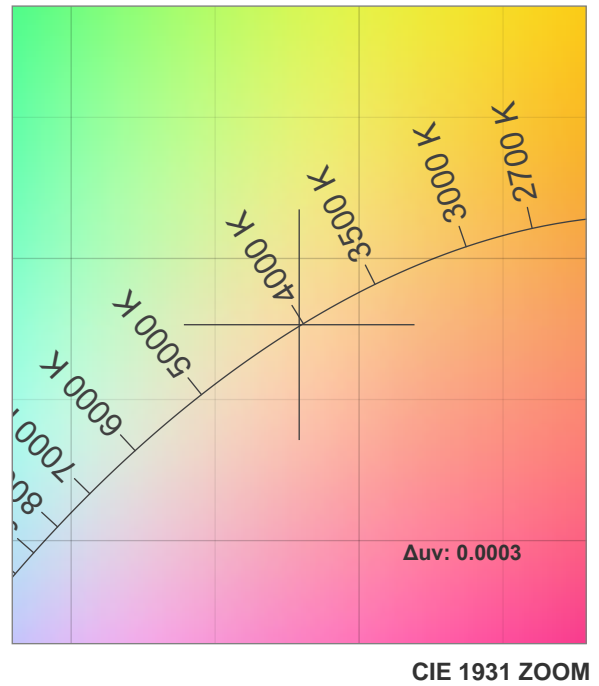
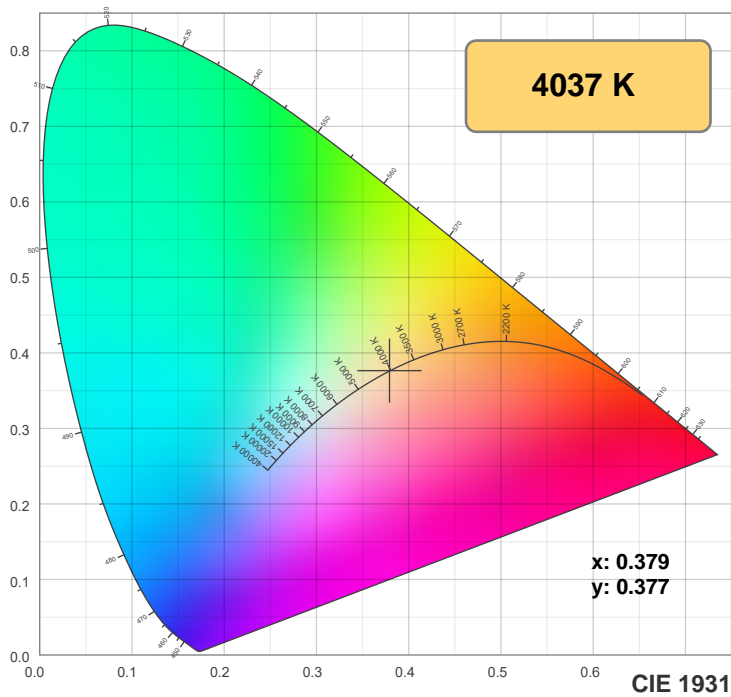
CIE 1931
x: 0.379
y: 0.377

Spectra

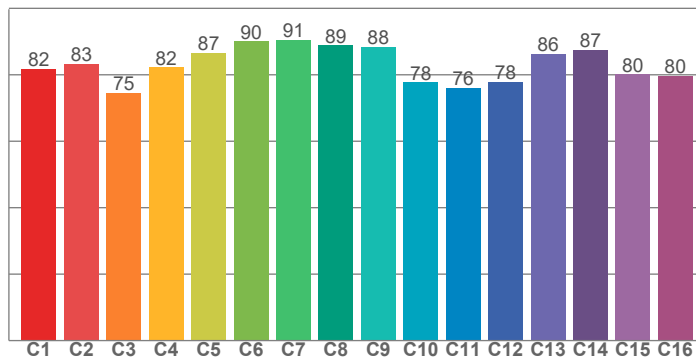


Power

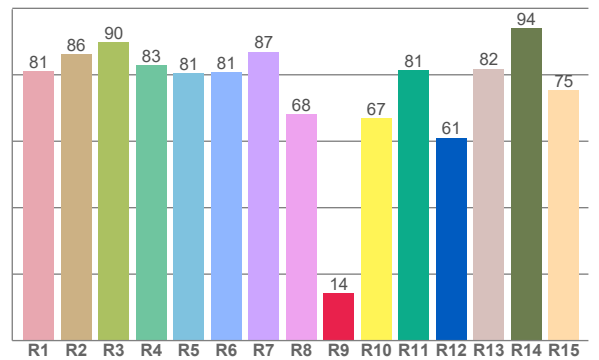




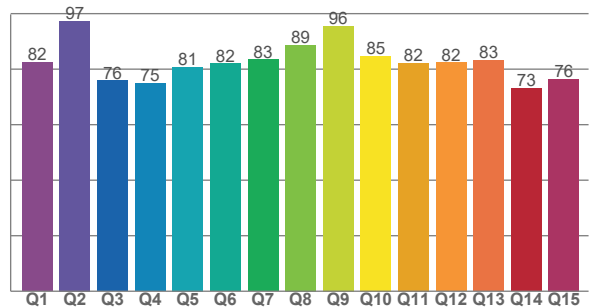
TM30: 83.0



CRI: 82.1 (R1-R8)



CQS: 81.6



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
81.0	86.2	89.9	82.8	80.6	80.9	86.9	68.2	14.3	66.8	81.4	61.1	81.8	94.1	75.4

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
81.8	83.2	74.6	82.3	86.5	90.0	90.6	88.8	88.4	77.7	76.1	77.9	86.2	87.5	80.1	79.7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
82.4	97.4	76.0	74.9	80.9	82.0	83.4	88.8	95.6	84.7	82.3	82.4	83.2	73.1	76.4

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
4037 K	82.1	14.3	83.0	98.0	81.6	0.379	0.377	0.224	0.334	0.0003

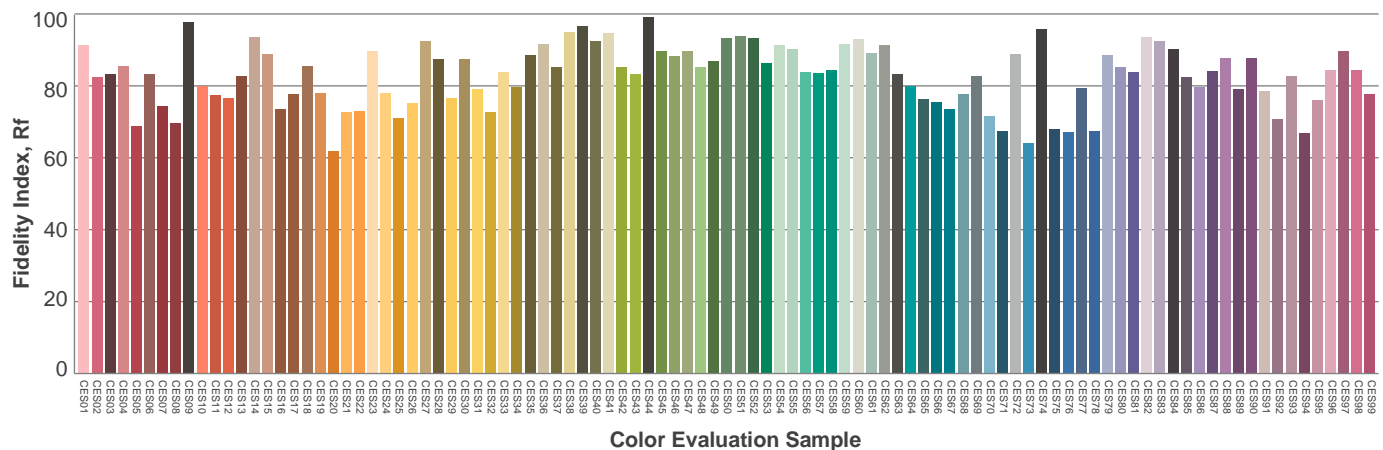
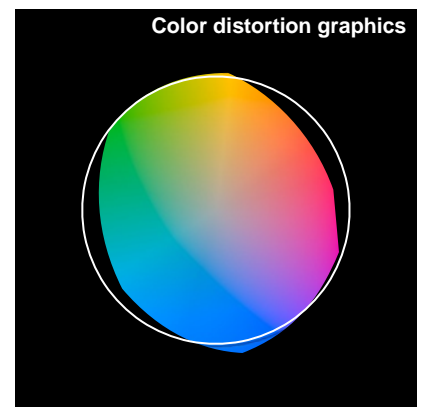
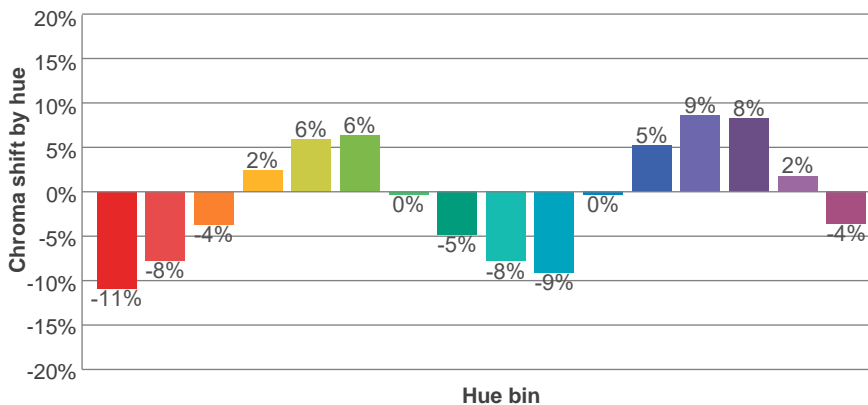
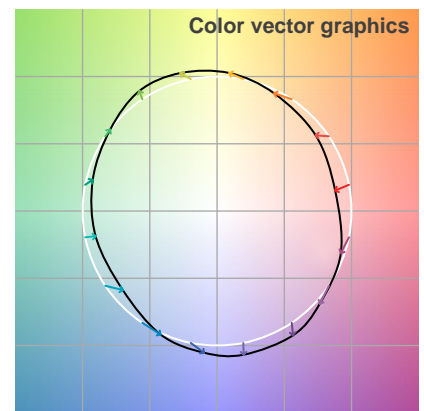
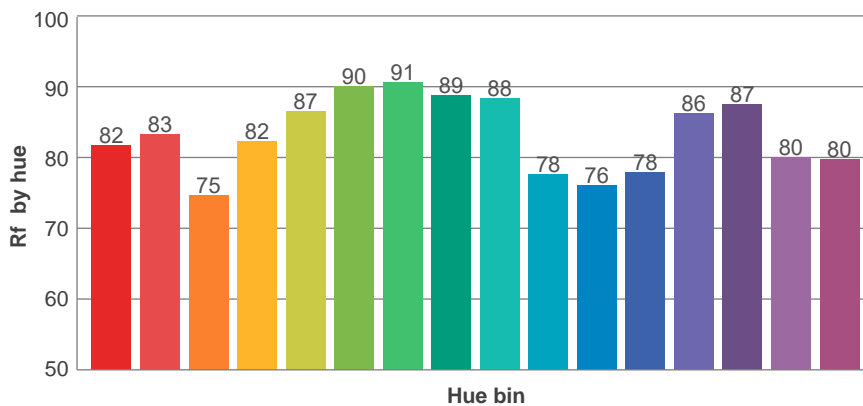
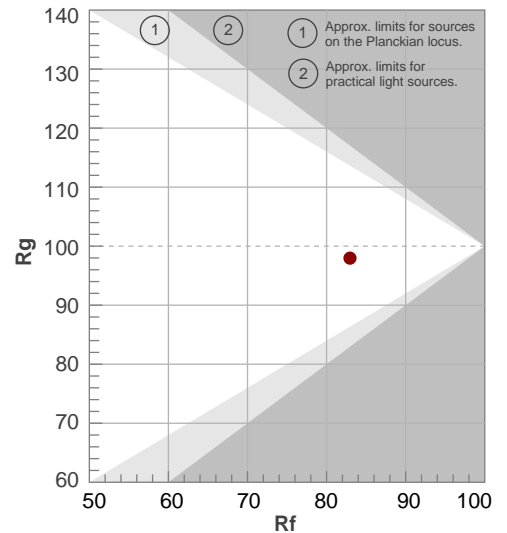
Rf 83.0

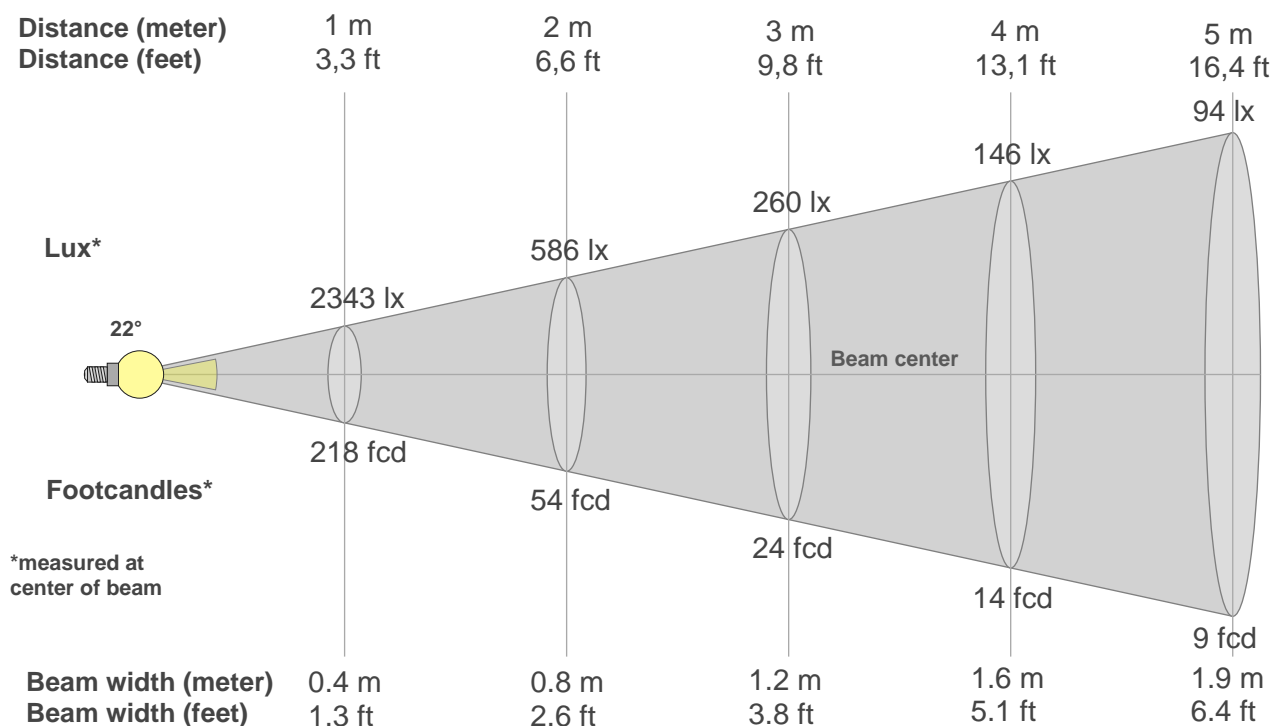
Fidelity index Rf

Rg 98.0

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	82	-11%	-2%
2	83	-8%	6%
3	75	-4%	13%
4	82	2%	11%
5	87	6%	7%
6	90	6%	-2%
7	91	0%	-6%
8	89	-5%	-5%
9	88	-8%	1%
10	78	-9%	10%
11	76	0%	16%
12	78	5%	11%
13	86	9%	-1%
14	87	8%	-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
2343lx	586lx	260lx	146lx	94lx	65lx	48lx	37lx	29lx	23lx	19lx	16lx	14lx	12lx	10lx	9lx	8lx	7lx	6lx	6lx
217.6fcd	54.4fcd	24.2fcd	13.6fcd	8.7fcd	6fcd	4.4fcd	3.4fcd	2.7fcd	2.2fcd	1.8fcd	1.5fcd	1.3fcd	1.1fcd	1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	0.5fcd

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°
2343	2341	2311	2282	2223	2153	2051	1892	1734	1541	1347	1174	1013	854	698	543	439	341	265	210
100%	100%	99%	97%	95%	92%	88%	81%	74%	66%	57%	50%	43%	36%	30%	23%	19%	15%	11%	9%

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°
2343	2342	2326	2306	2253	2201	2076	1925	1754	1546	1338	1175	1012	854	697	552	440	328	266	212
100%	100%	99%	98%	96%	94%	89%	82%	75%	66%	57%	50%	43%	36%	30%	24%	19%	14%	11%	9%

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°
2343	2341	2322	2286	2241	2143	2045	1882	1700	1521	1348	1174	1007	840	683	530	400	326	251	197
100%	100%	99%	98%	96%	91%	87%	80%	73%	65%	58%	50%	43%	36%	29%	23%	17%	14%	11%	8%

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°
2343	2328	2310	2265	2221	2127	2019	1882	1703	1524	1350	1175	1004	834	672	528	385	306	233	175
100%	99%	99%	97%	95%	91%	86%	80%	73%	65%	58%	50%	43%	36%	29%	23%	16%	13%	10%	7%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
{B_ANG}°	36.7°	49°	76.8%	68.7%