

Light efficiency:

56 Lumen/Watt

Light quality:

CRI: 82.3

Color temperature:

4097 K

Output: 689 lm

Peak: 2295 cd

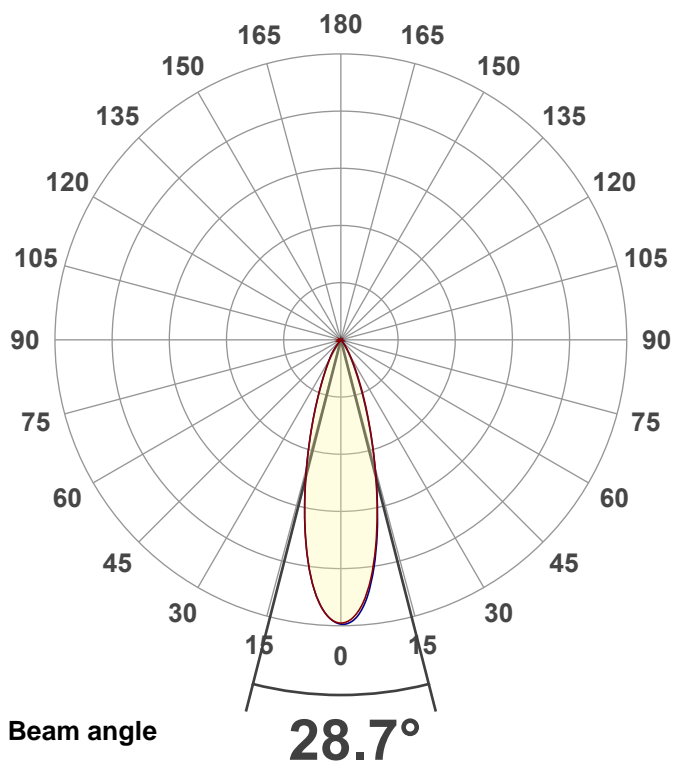
Power: 12.3 W

PF: 0.91



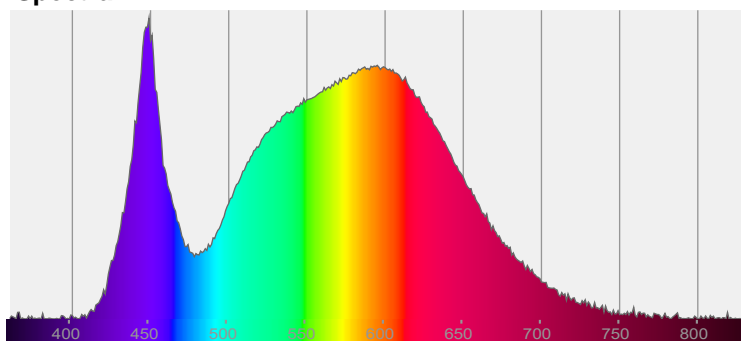
EXT-SKY-D-SW-10LM-40K-80-30D-24-BK-BK-SHADE

Date and time:  
11/4/2021 8:37:40 AM

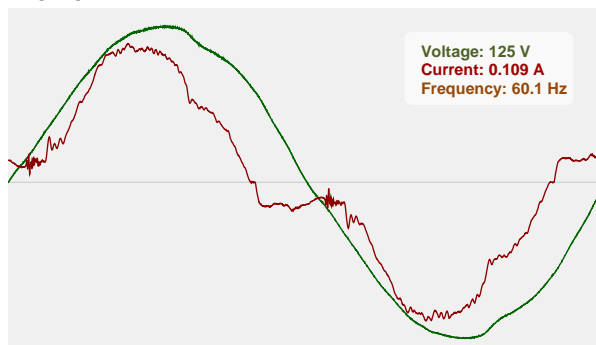


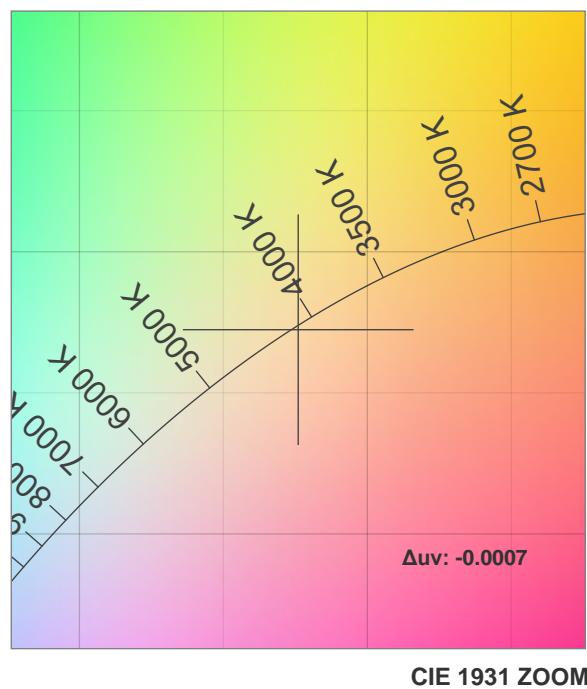
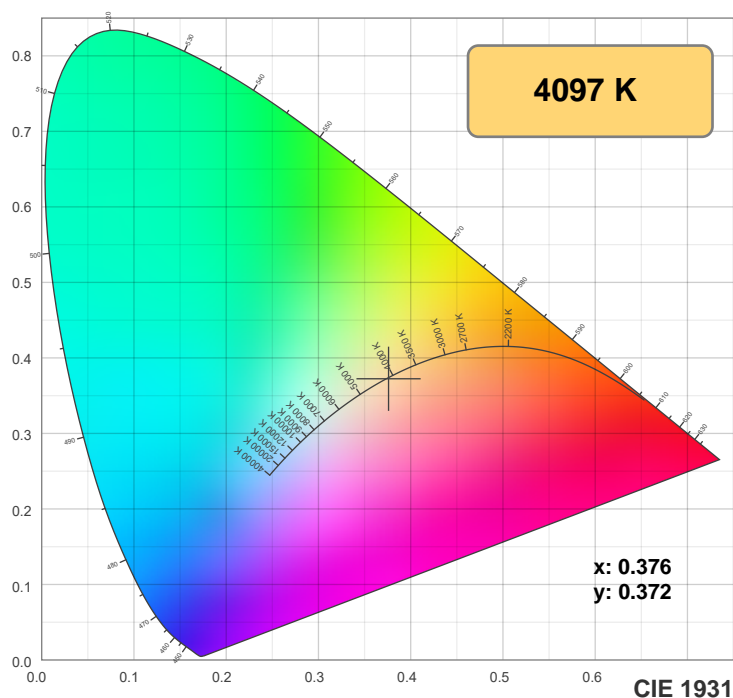
CIE 1931  
x: 0.376  
y: 0.372

Spectra

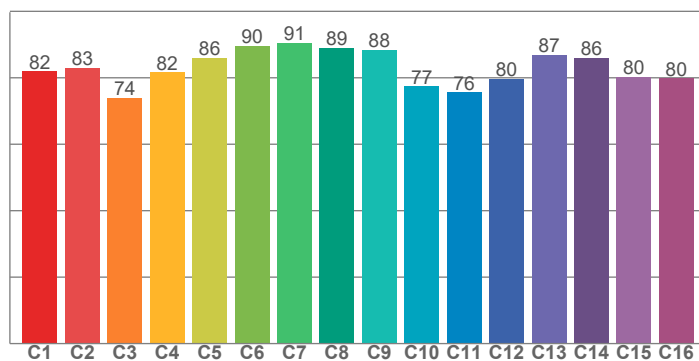


Power

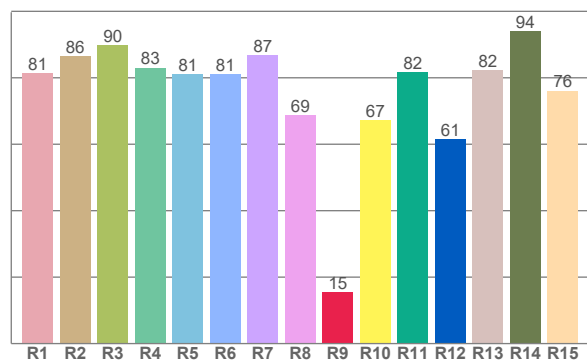




TM30: 82.7



CRI: 82.3 (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
81.4	86.5	89.7	83.0	81.0	81.1	86.8	68.7	15.5	67.2	81.7	61.5	82.3	94.0	76.1

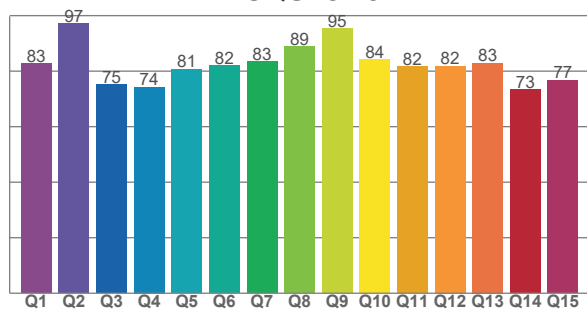
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
81.9	83.0	74.0	81.6	86.0	89.6	90.5	88.9	88.4	77.5	75.5	79.7	87.0	86.0	80.2	79.8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
82.7	97.2	75.2	74.3	80.7	82.1	83.5	88.8	95.3	84.2	81.6	81.9	82.9	73.3	76.7

CQS: 81.5



## 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
4097 K	82.3	15.5	82.7	98.2	81.5	0.376	0.372	0.224	0.333	-0.0007

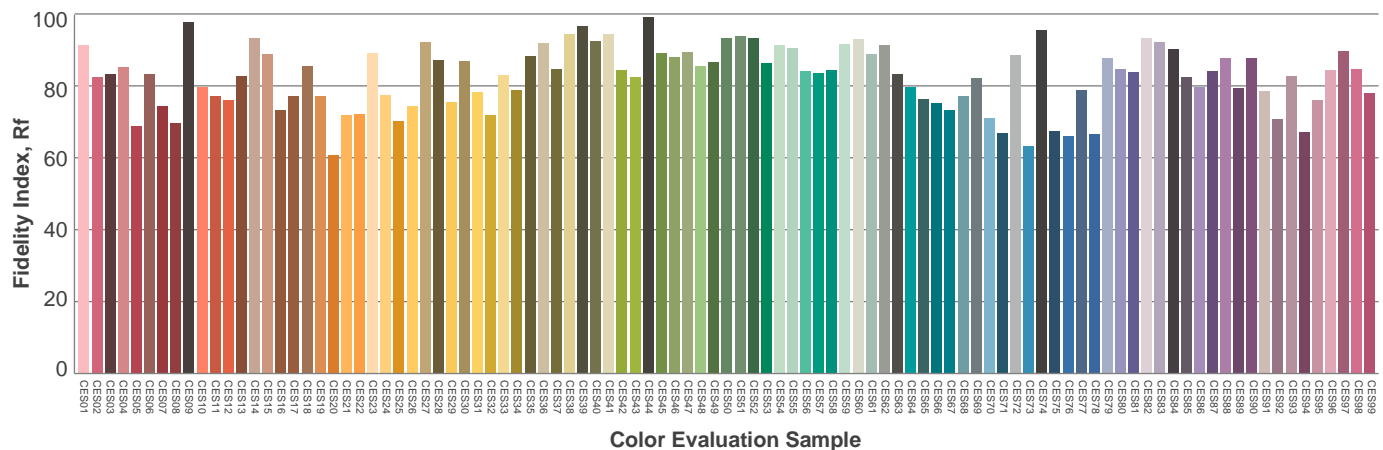
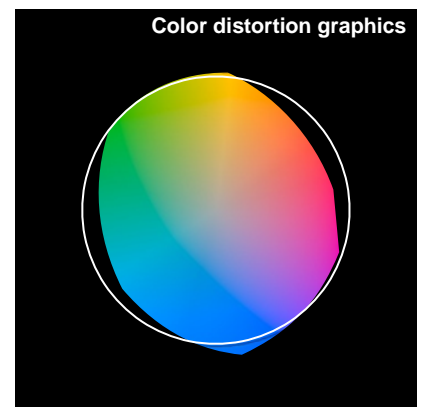
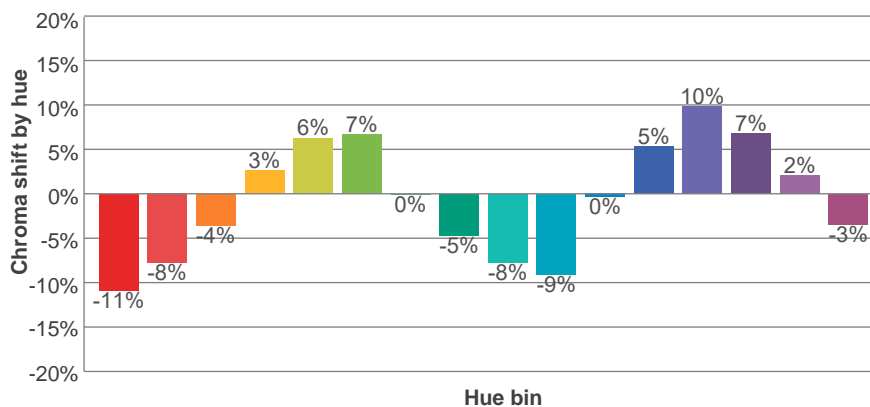
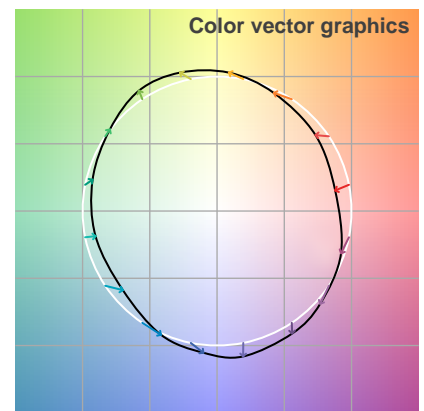
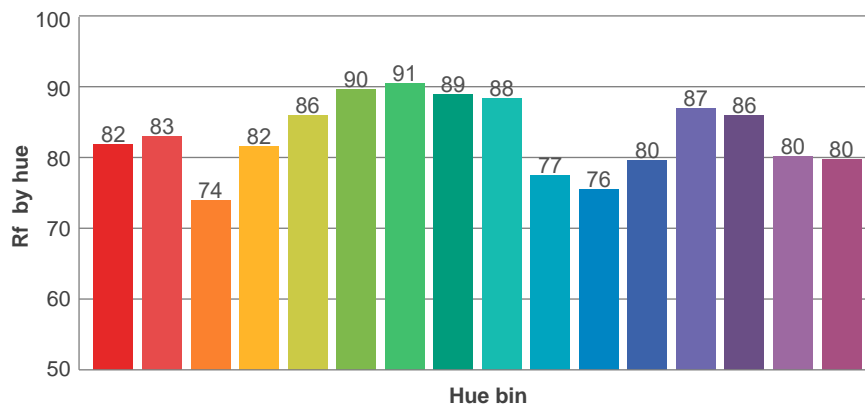
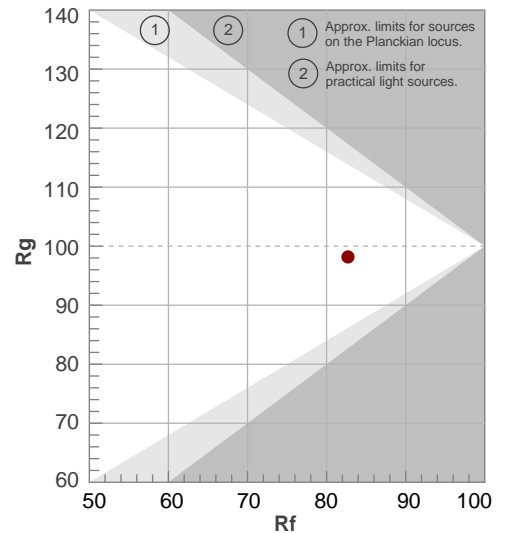
**Rf 82.7**

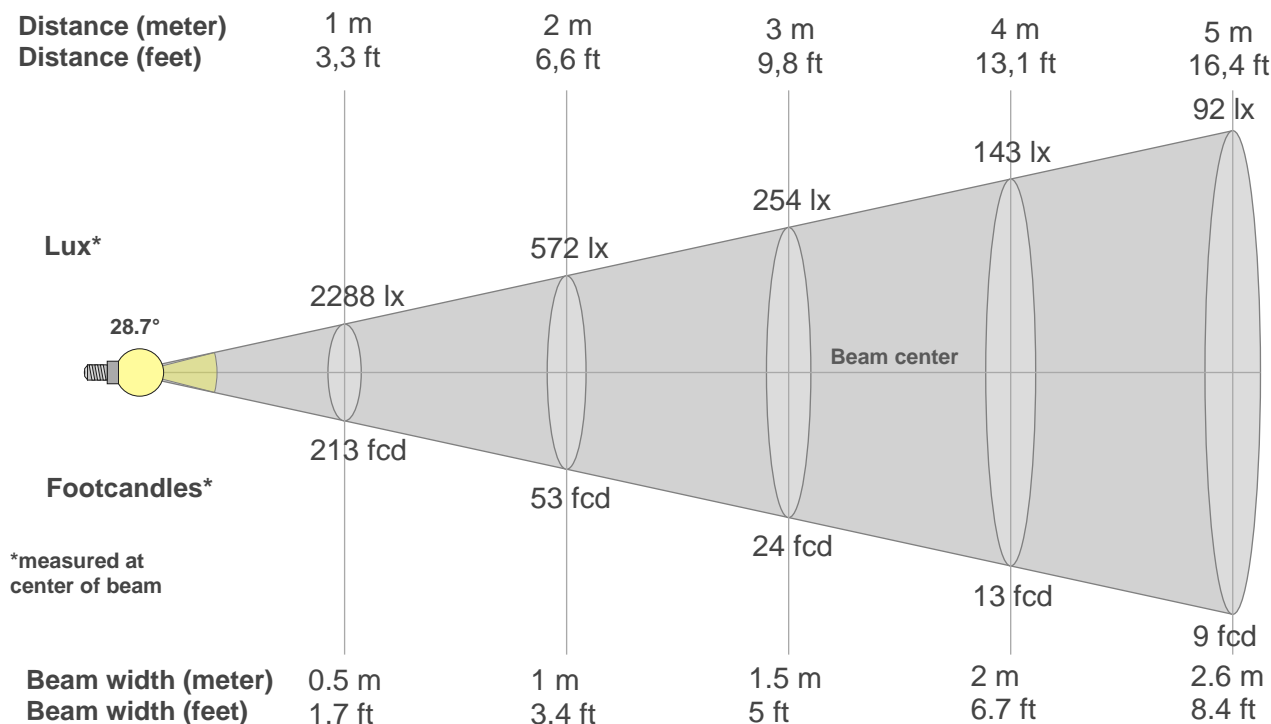
Fidelity index Rf

**Rg 98.2**

Gammut index Rg

Hue Bin	R <sub>f</sub>	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	7%	-1%
7	91	0%	-6%
8	89	-5%	-5%
9	88	-8%	1%
10	77	-9%	10%
11	76	0%	16%
12	80	5%	11%
13	87	10%	-2%
14	86	7%	-4%
15	80	2%	-15%
16	80	-3%	-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
2288lx	572lx	254lx	143lx	92lx	64lx	47lx	36lx	28lx	23lx	19lx	16lx	14lx	12lx	10lx	9lx	8lx	7lx	6lx	6lx
212.5fcd	53.1fcd	23.6fcd	13.3fcd	8.5fcd	5.9fcd	4.3fcd	3.3fcd	2.6fcd	2.1fcd	1.8fcd	1.5fcd	1.3fcd	1.1fcd	0.9fcd	0.8fcd	0.7fcd	0.7fcd	0.6fcd	0.5fcd

#### 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°
2288	2256	2172	2036	1856	1642	1411	1182	969	779	615	478	363	278	211	158	117	85	55	25
100%	99%	95%	89%	81%	72%	62%	52%	42%	34%	27%	21%	16%	12%	9%	7%	5%	4%	2%	1%

#### 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°
2288	2272	2202	2074	1884	1663	1425	1185	960	759	589	450	338	251	185	136	101	73	45	22
100%	99%	96%	91%	82%	73%	62%	52%	42%	33%	26%	20%	15%	11%	8%	6%	4%	3%	2%	1%

#### 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°
2288	2253	2167	2030	1850	1638	1411	1182	972	787	627	493	385	300	236	186	144	105	58	19
100%	99%	95%	89%	81%	72%	62%	52%	42%	34%	27%	22%	17%	13%	10%	8%	6%	5%	3%	1%

#### 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°
2288	2253	2169	2035	1848	1633	1406	1182	971	778	619	486	381	301	238	189	151	113	67	26
100%	98%	95%	89%	81%	71%	61%	52%	42%	34%	27%	21%	17%	13%	10%	8%	7%	5%	3%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
{B_ANG}°	55.4°	71.9°	99.3%	99.0%