

Light efficiency:

66 Lumen/Watt

Light quality:

CRI: 80.8

Color temperature:

2955 K

Output: 1183 lm

Peak: 1996 cd

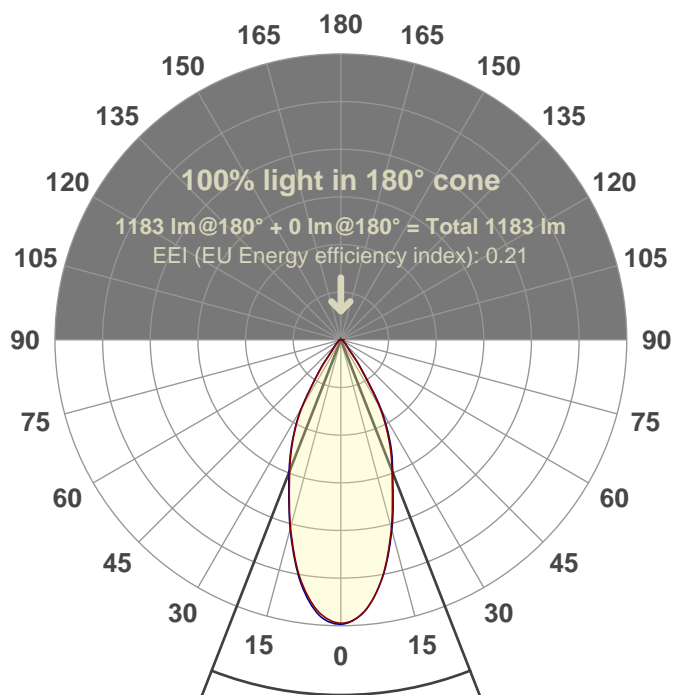
Power: 17.9 W

PF: 0.98



112250-XTM19-20LM-30K-83-SSA40-
UNV-ELV-WH-CLR

Date and time:
12/11/2019 3:33:55 PM



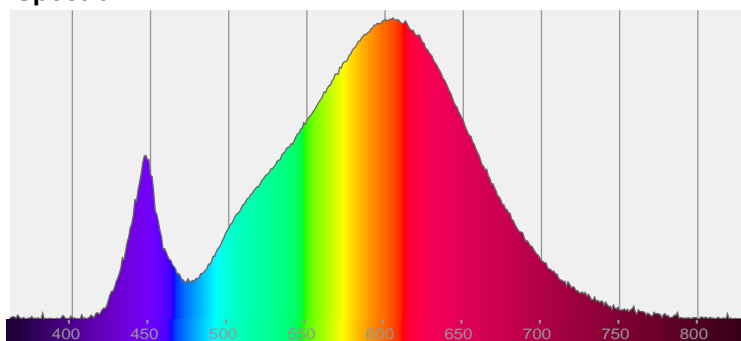
Beam angle

42.7°

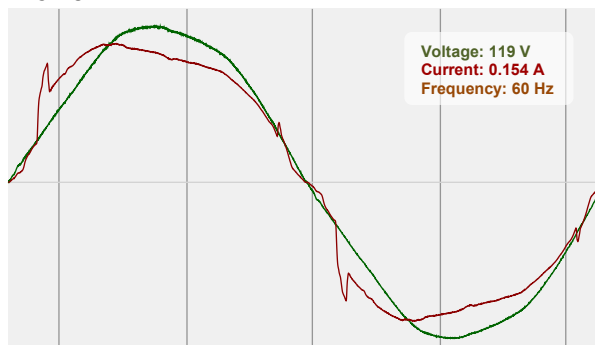


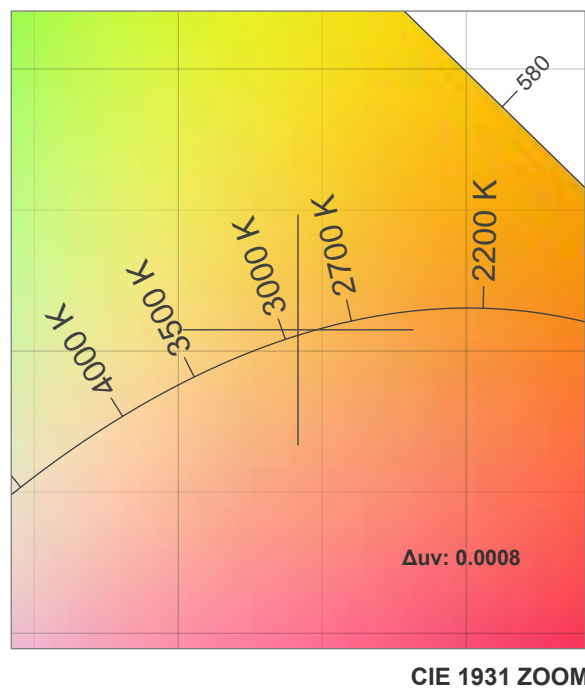
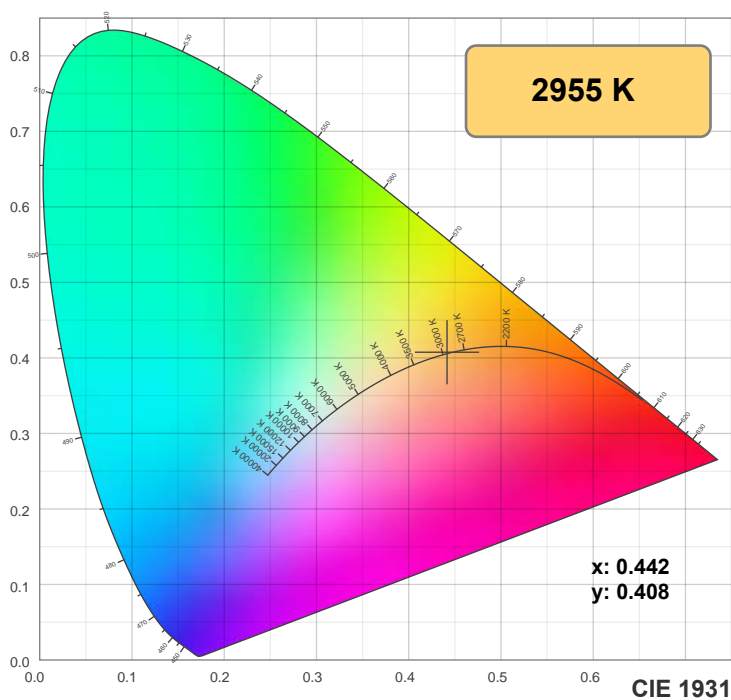
CIE 1931
x: 0.442
y: 0.408

Spectra

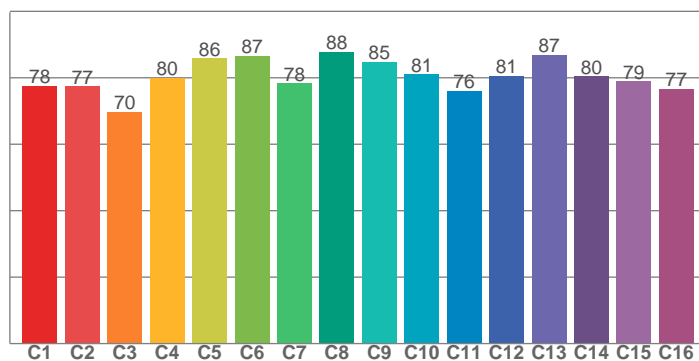


Power

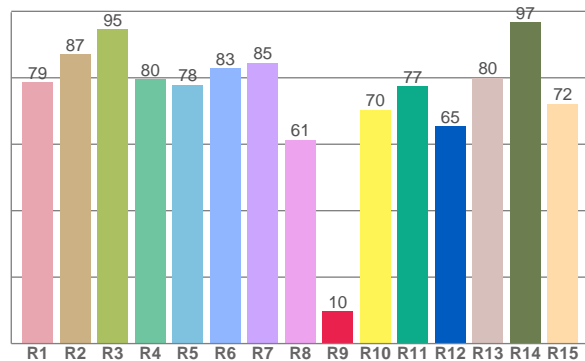




TM30: 80.3



CRI: 80.8 (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
78.6	87.1	94.7	79.6	77.9	82.8	84.5	61.3	9.8	70.4	77.4	65.3	80.0	96.7	72.2

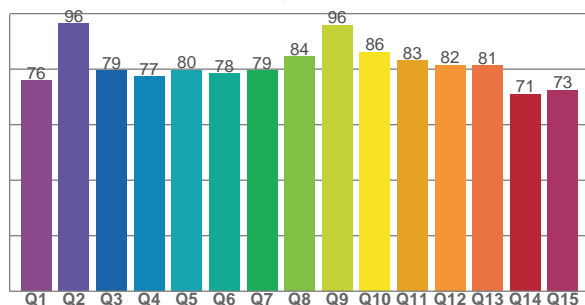
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
77.6	77.4	69.8	80.0	85.8	86.6	78.4	87.8	84.7	81.0	76.1	80.5	86.8	80.4	78.9	76.7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
75.9	96.4	79.5	77.3	79.7	78.4	79.4	84.5	95.9	86.1	83.1	81.6	81.3	70.9	72.5

CQS: 80.1



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
2955 K	80.8	9.8	80.3	98.0	80.1	0.442	0.408	0.252	0.349	0.0008

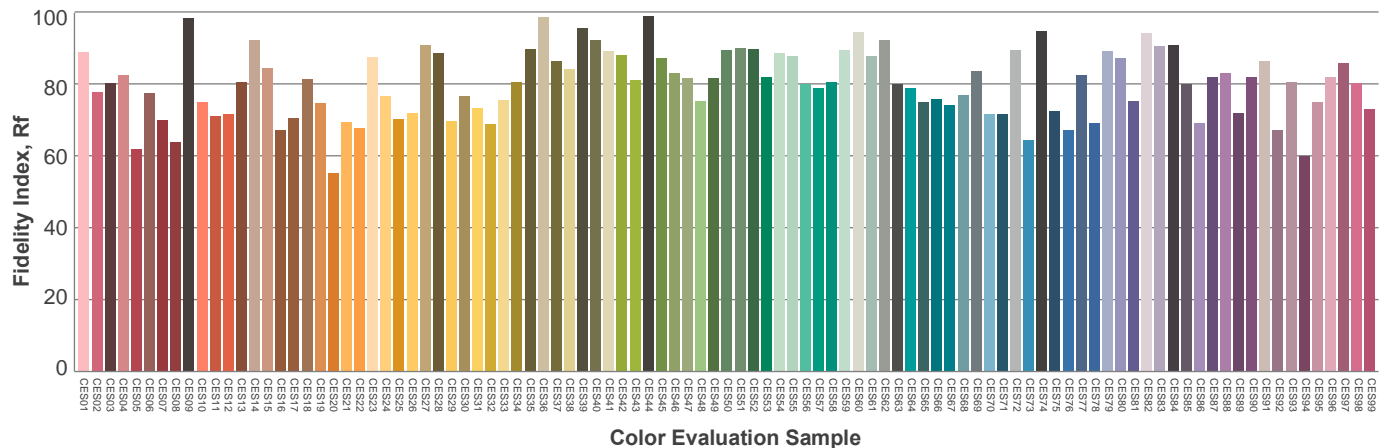
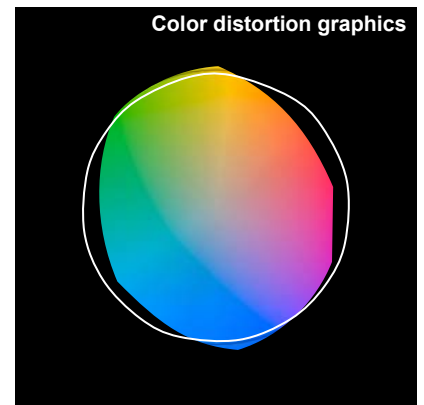
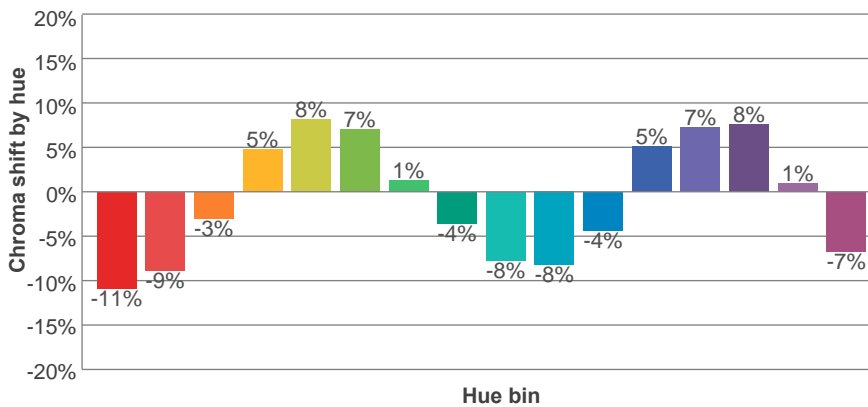
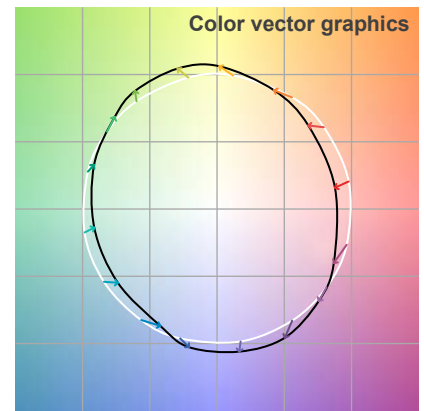
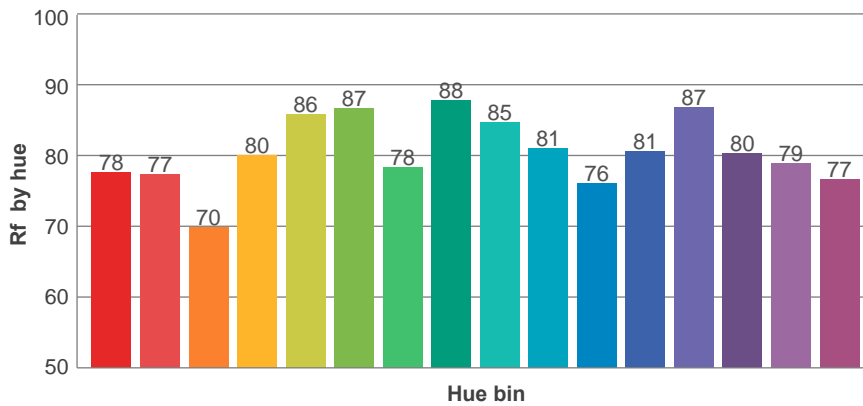
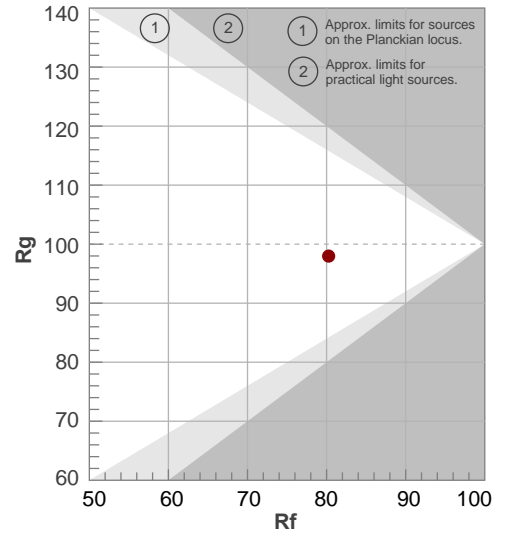
Rf 80.3

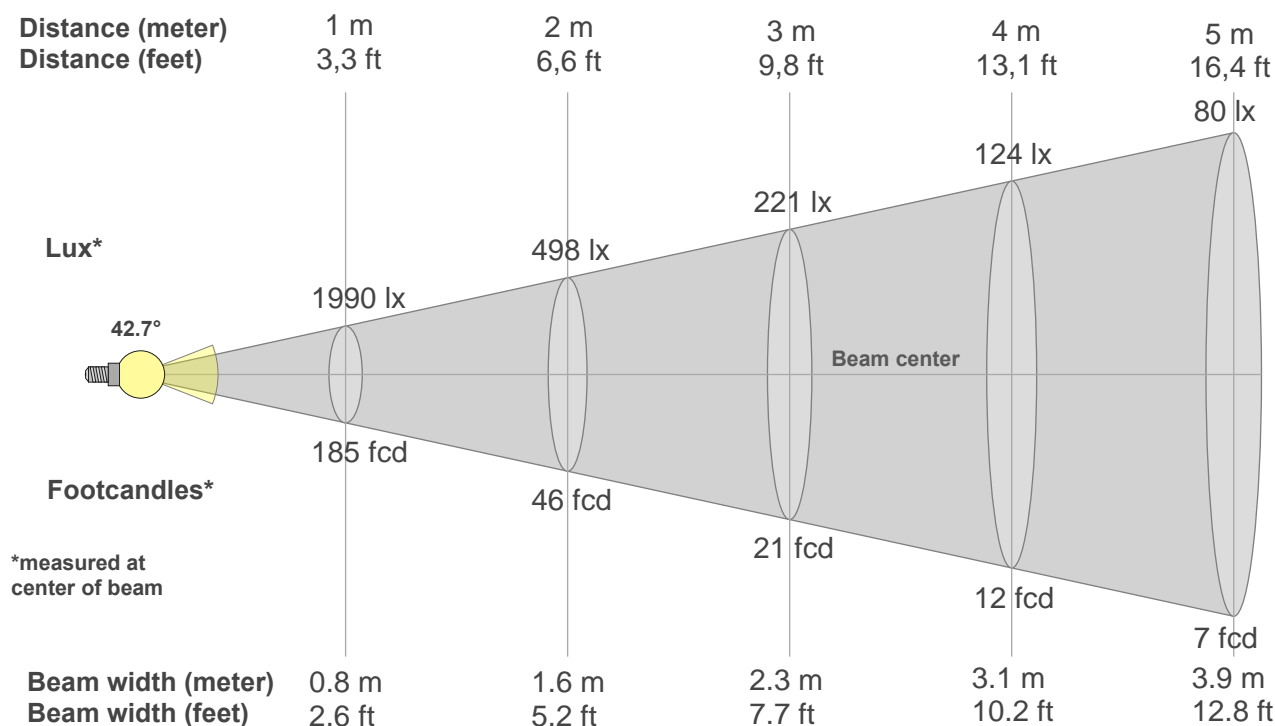
Fidelity index Rf

Rg 98.0

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	78	-11%	-3%
2	77	-9%	8%
3	70	-3%	14%
4	80	5%	11%
5	86	8%	7%
6	87	7%	-3%
7	78	1%	-12%
8	88	-4%	-6%
9	85	-8%	-2%
10	81	-8%	6%
11	76	-4%	14%
12	81	5%	8%
13	87	7%	-3%
14	80	8%	-12%
15	79	1%	-12%
16	77	-7%	-15%





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
1990lx	498lx	221lx	124lx	80lx	55lx	41lx	31lx	25lx	20lx	16lx	14lx	12lx	10lx	9lx	8lx	7lx	6lx	6lx	5lx
184.9fcd	46.2fcd	20.5fcd	11.6fcd	7.4fcd	5.1fcd	3.8fcd	2.9fcd	2.3fcd	1.8fcd	1.5fcd	1.3fcd	1.1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	0.6fcd	0.5fcd	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°
1990	1960	1930	1869	1779	1687	1561	1434	1307	1180	1056	959	862	759	653	544	419	293	208	142
100%	99%	97%	94%	89%	85%	78%	72%	66%	59%	53%	48%	43%	38%	33%	27%	21%	15%	10%	7%

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°
1990	1966	1926	1872	1779	1687	1569	1444	1320	1195	1070	972	879	781	673	566	444	320	222	160
100%	99%	97%	94%	89%	85%	79%	73%	66%	60%	54%	49%	44%	39%	34%	28%	22%	16%	11%	8%

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°
1990	1957	1924	1861	1772	1681	1555	1429	1304	1179	1058	958	858	757	654	548	426	304	217	147
100%	98%	97%	94%	89%	84%	78%	72%	65%	59%	53%	48%	43%	38%	33%	28%	21%	15%	11%	7%

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°
1990	1969	1947	1875	1789	1691	1565	1439	1314	1188	1071	970	869	765	662	549	423	297	219	144
100%	99%	98%	94%	90%	85%	79%	72%	66%	60%	54%	49%	44%	38%	33%	28%	21%	15%	11%	7%

Beam angle 50°	Field angle 10°	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
{B_ANG}°	73°	93.7°	98.1%	94.4%