

Light efficiency:

73 Lumen/Watt

Light quality:

CRI: 82.5

Color temperature:

2945 K

Output: 1117 lm

Peak: 5259 cd

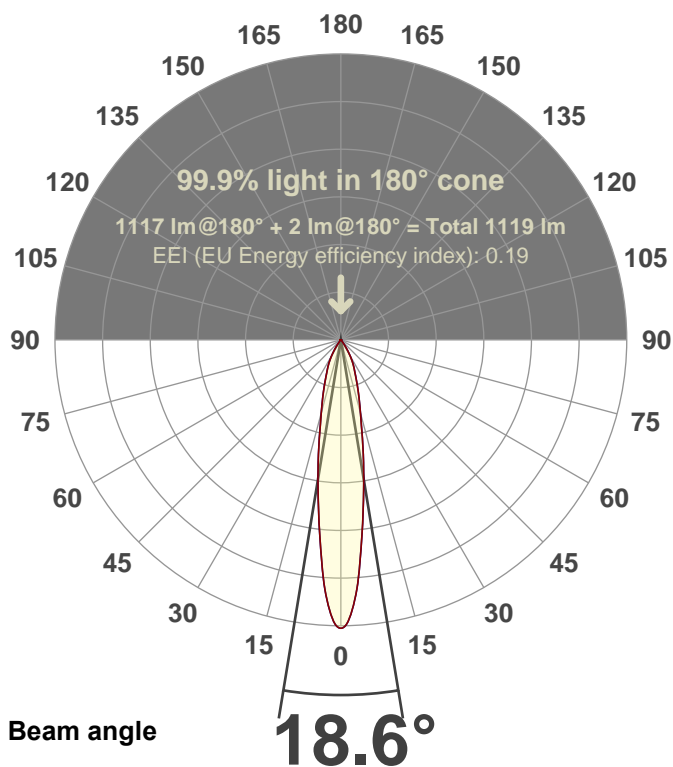
Power: 15.3 W

PF: 0.98



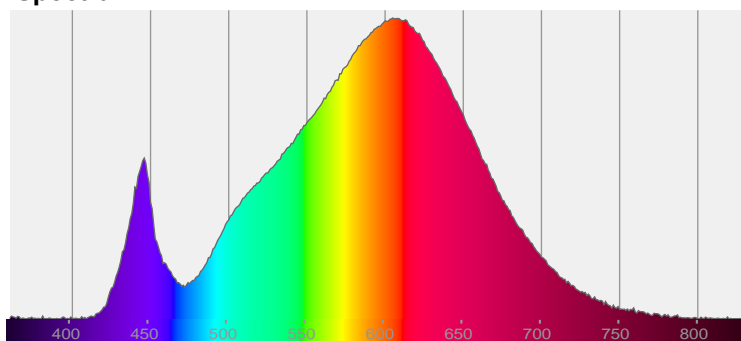
**112250-XTM19-16LM-30K-83-SA20-UNV-
ELV-WH-CLR**

Date and time:
12/13/2019 12:09:19 PM

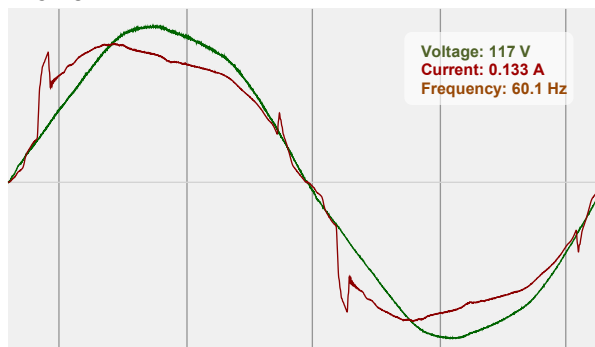


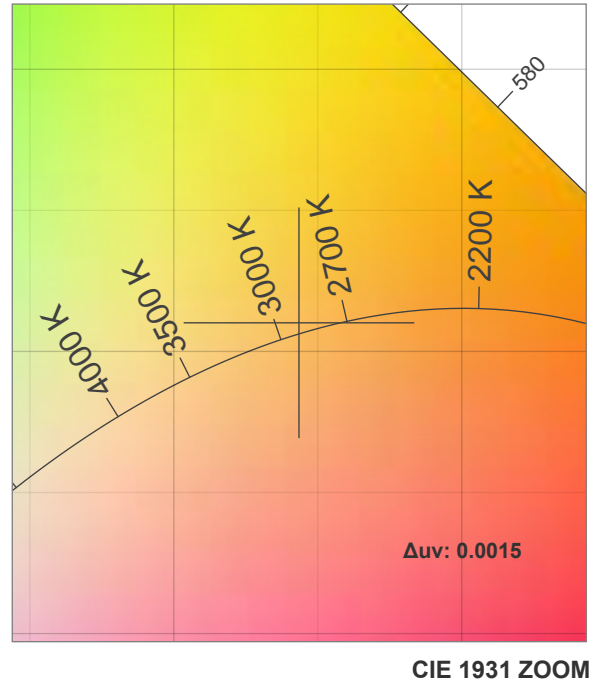
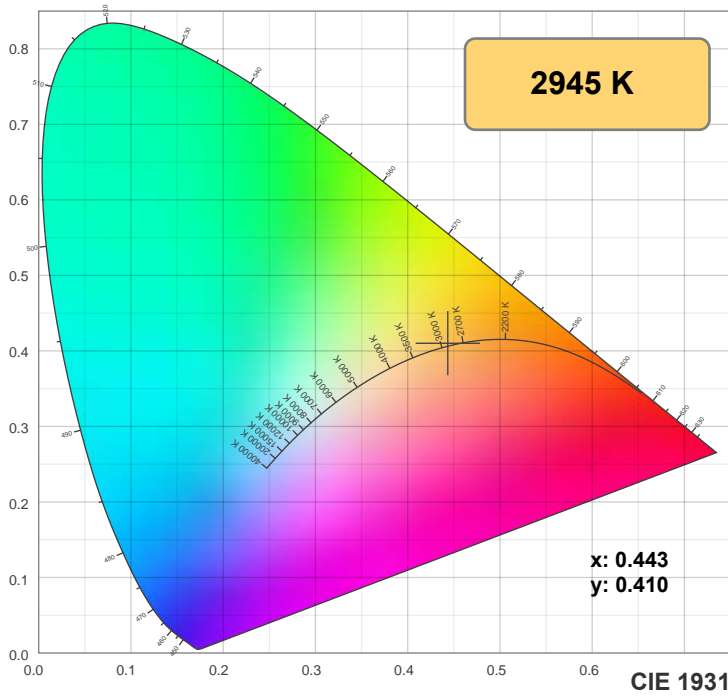
CIE 1931
x: 0.443
y: 0.410

Spectra

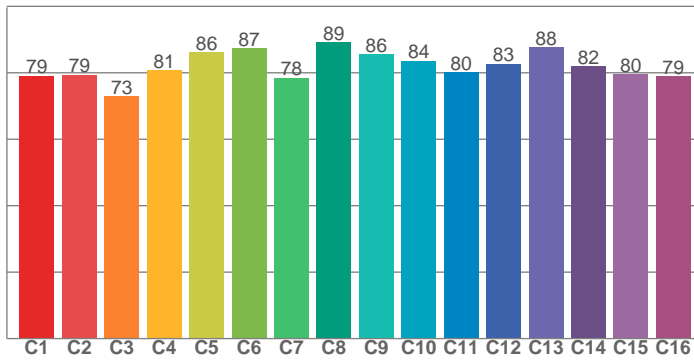


Power

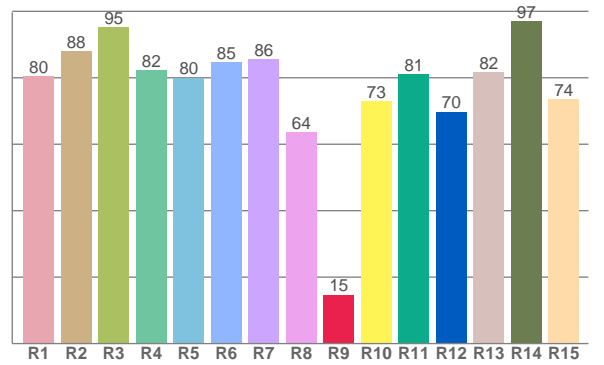




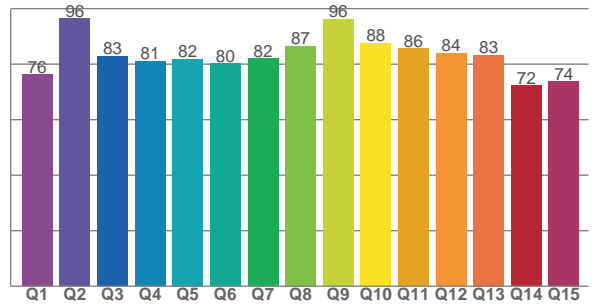
TM30: 81.9



CRI: 82.5 (R1-R8)



CQS: 81.9



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
80.4	88.1	95.3	82.2	80.0	84.7	85.6	63.5	14.7	72.9	81.1	69.8	81.7	97.1	73.6

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
79.0	79.4	72.9	80.8	86.1	87.3	78.4	89.1	85.5	83.6	80.1	82.7	87.6	81.9	79.5	78.9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
76.2	96.4	82.8	81.0	81.9	80.2	82.0	86.6	96.1	87.7	85.6	83.9	83.3	72.3	73.7

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
2945 K	82.5	14.7	81.9	98.4	81.9	0.443	0.410	0.252	0.350	0.0015

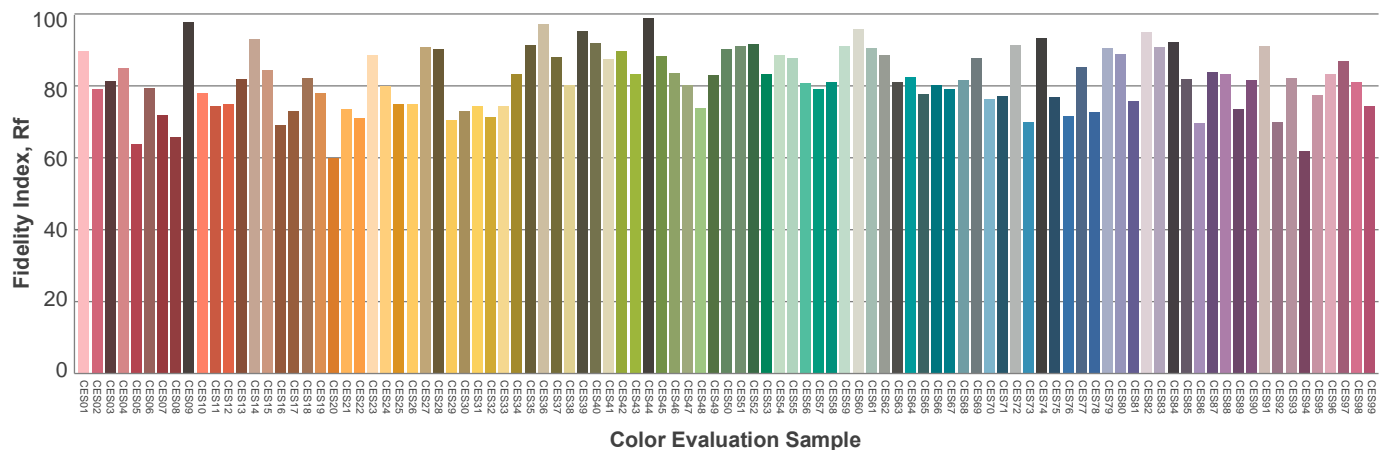
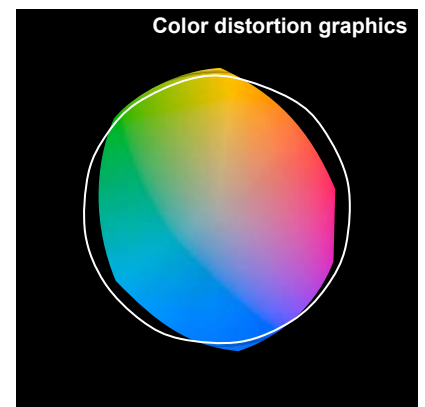
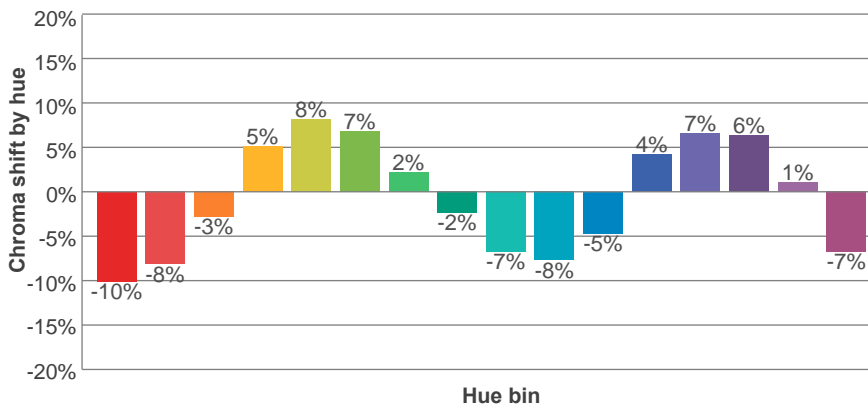
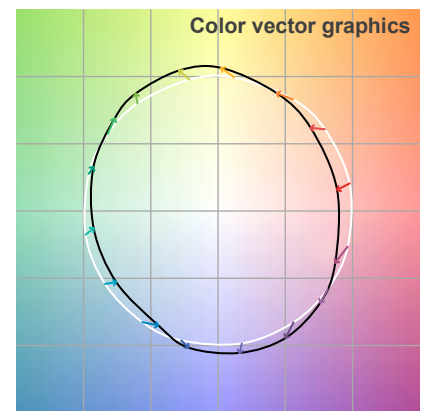
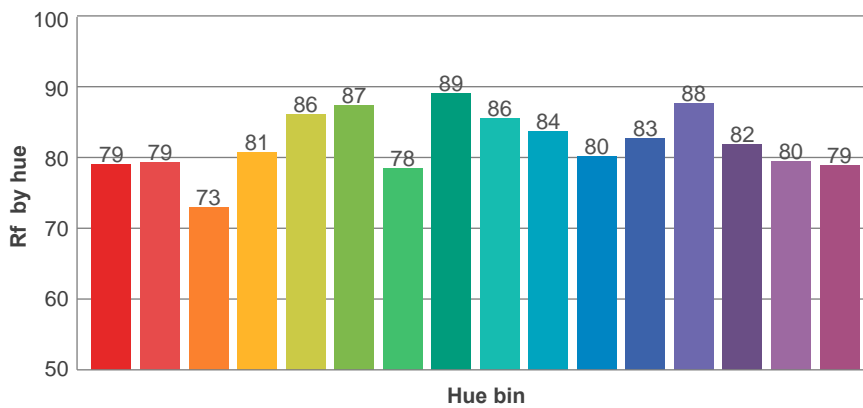
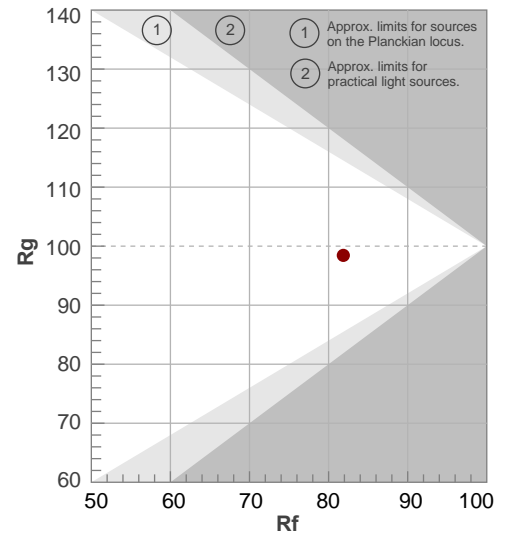
Rf 81.9

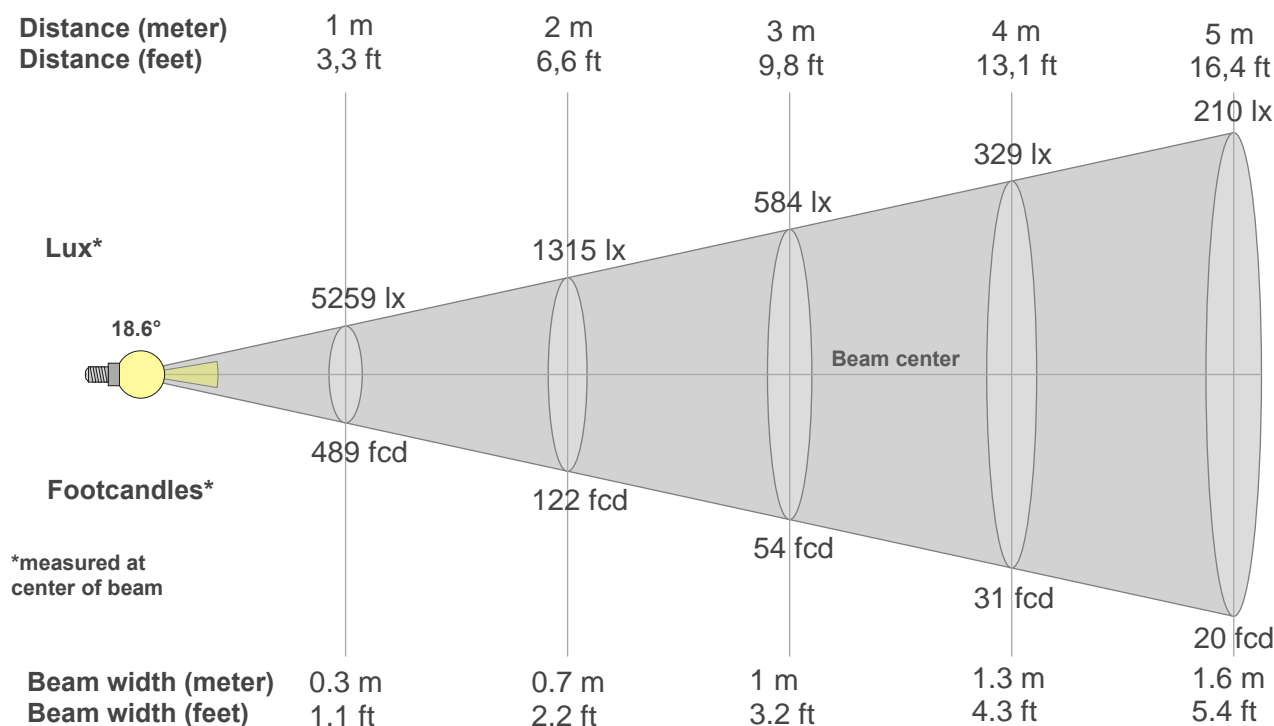
Fidelity index Rf

Rg 98.4

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	79	-10%	-3%
2	79	-8%	7%
3	73	-3%	13%
4	81	5%	11%
5	86	8%	6%
6	87	7%	-3%
7	78	2%	-12%
8	89	-2%	-6%
9	86	-7%	-3%
10	84	-8%	3%
11	80	-5%	11%
12	83	4%	6%
13	88	7%	-3%
14	82	6%	-11%
15	80	1%	-11%
16	79	-7%	-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
5259lx	1315lx	584lx	329lx	210lx	146lx	107lx	82lx	65lx	53lx	43lx	37lx	31lx	27lx	23lx	21lx	18lx	16lx	15lx	13lx
488.5fcd	122.1fcd	54.3fcd	30.5fcd	19.5fcd	13.6fcd	10fcd	7.6fcd	6fcd	4.9fcd	4fcd	3.4fcd	2.9fcd	2.5fcd	2.2fcd	1.9fcd	1.7fcd	1.5fcd	1.4fcd	1.2fcd

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°
5259	5050	4492	3698	3021	2447	1958	1556	1276	1068	890	742	624	534	440	343	249	162	88	42
100%	96%	85%	70%	57%	47%	37%	30%	24%	20%	17%	14%	12%	10%	8%	7%	5%	3%	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°
5259	5050	4492	3698	3021	2447	1958	1556	1276	1068	890	742	624	534	440	343	249	162	88	42
100%	96%	85%	70%	57%	47%	37%	30%	24%	20%	17%	14%	12%	10%	8%	7%	5%	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°
5259	5050	4492	3698	3021	2447	1958	1556	1276	1068	890	742	624	534	440	343	249	162	88	42
100%	96%	85%	70%	57%	47%	37%	30%	24%	20%	17%	14%	12%	10%	8%	7%	5%	3%	2%	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°
5259	5050	4492	3698	3021	2447	1958	1556	1276	1068	890	742	624	534	440	343	249	162	88	42
100%	96%	85%	70%	57%	47%	37%	30%	24%	20%	17%	14%	12%	10%	8%	7%	5%	3%	2%	1%

Beam angle 50°	Field angle 10°	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
{B_ANG}°	52.3°	69.6°	99.0%	97.6%