

Light efficiency:

77 Lumen/Watt

Light quality:

CRI: 80.2

Color temperature:

2928 K

Output: 1393 lm

Peak: 7013 cd

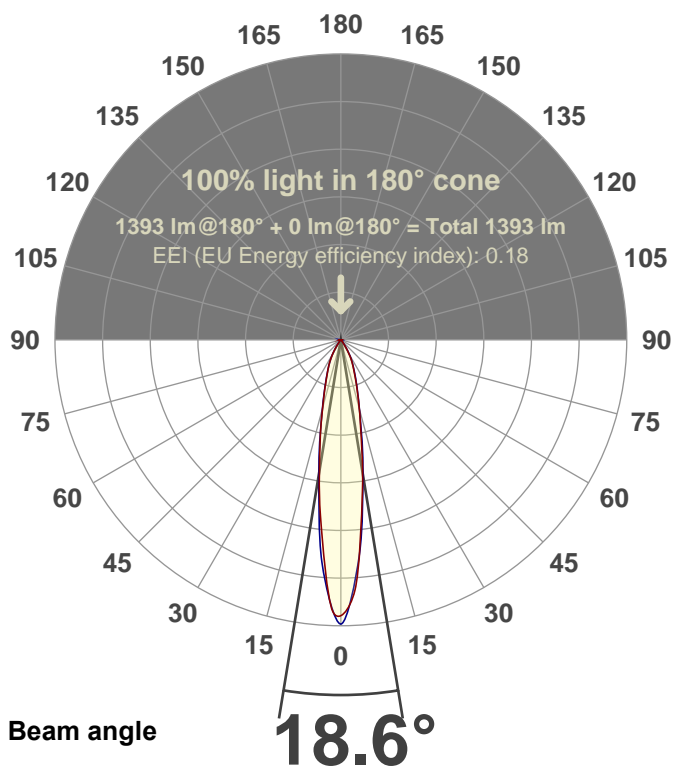
Power: 18.0 W

PF: 0.98



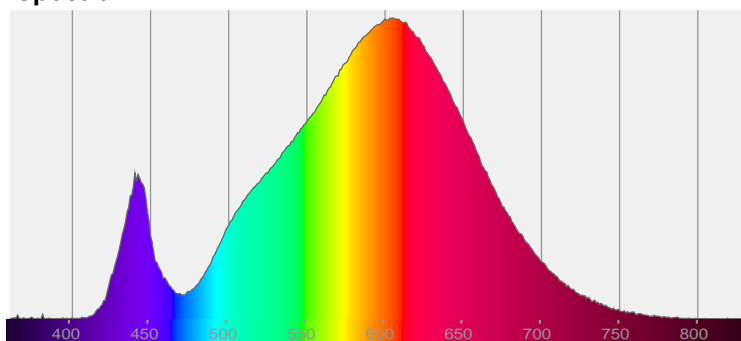
112250-XTM19-20LM-30K-83-SA20-120-ELV-WH-CLR

Date and time:
12/10/2019 12:48:11 PM

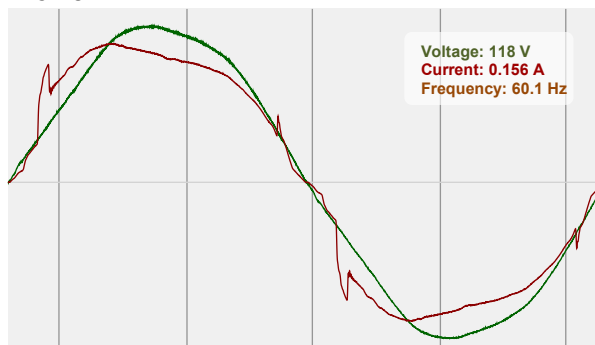


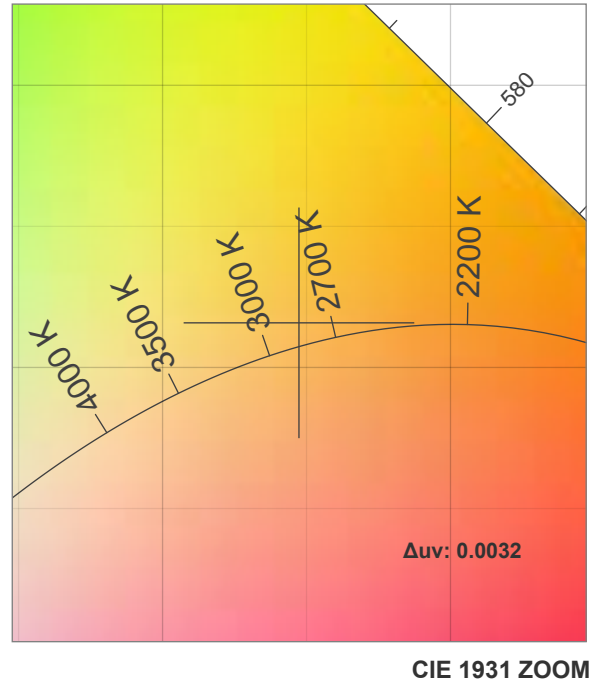
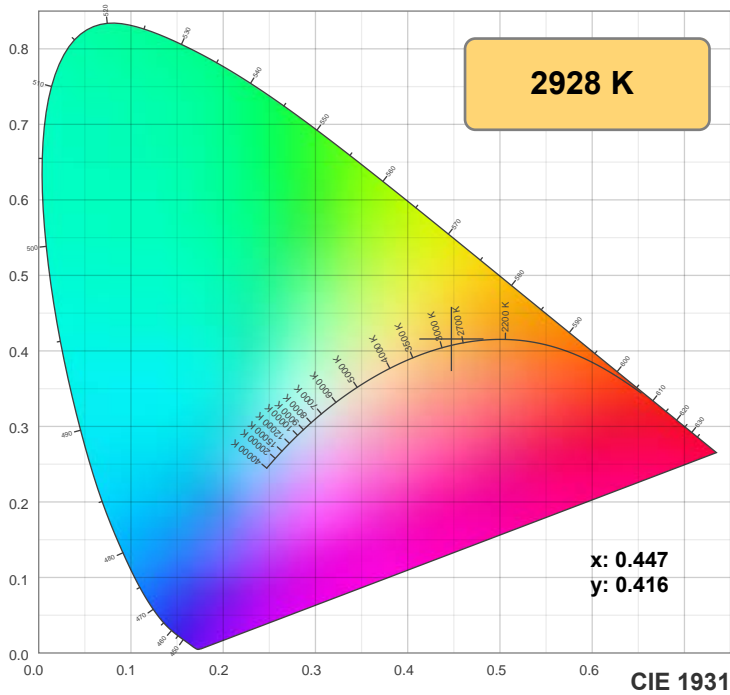
CIE 1931
x: 0.447
y: 0.416

Spectra

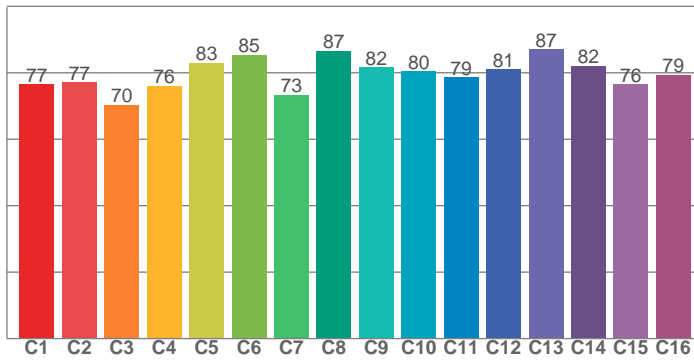


Power

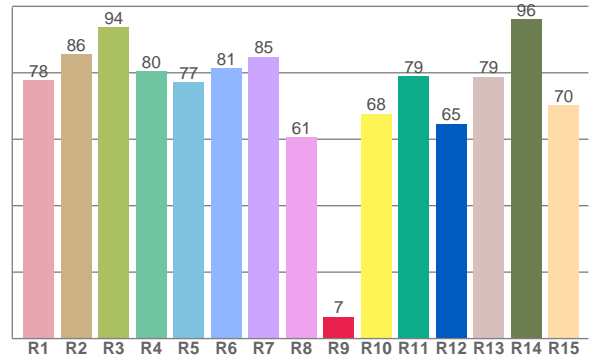




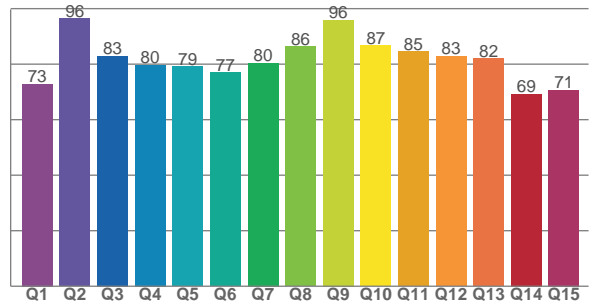
TM30: 79.4



CRI: 80.2 (R1-R8)



CQS: 80.1



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
77.7	85.6	93.8	80.4	77.1	81.4	84.8	60.6	6.5	67.7	78.9	64.7	78.8	96.2	70.3

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
76.5	77.1	70.3	76.1	82.9	85.4	73.3	86.6	81.7	80.4	78.6	81.1	87.0	82.1	76.5	79.4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
72.9	96.4	82.9	79.6	79.1	77.0	80.4	86.3	95.9	86.7	84.5	82.9	82.0	69.3	70.7

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
2928 K	80.2	6.5	79.4	97.9	80.1	0.447	0.416	0.252	0.352	0.0032

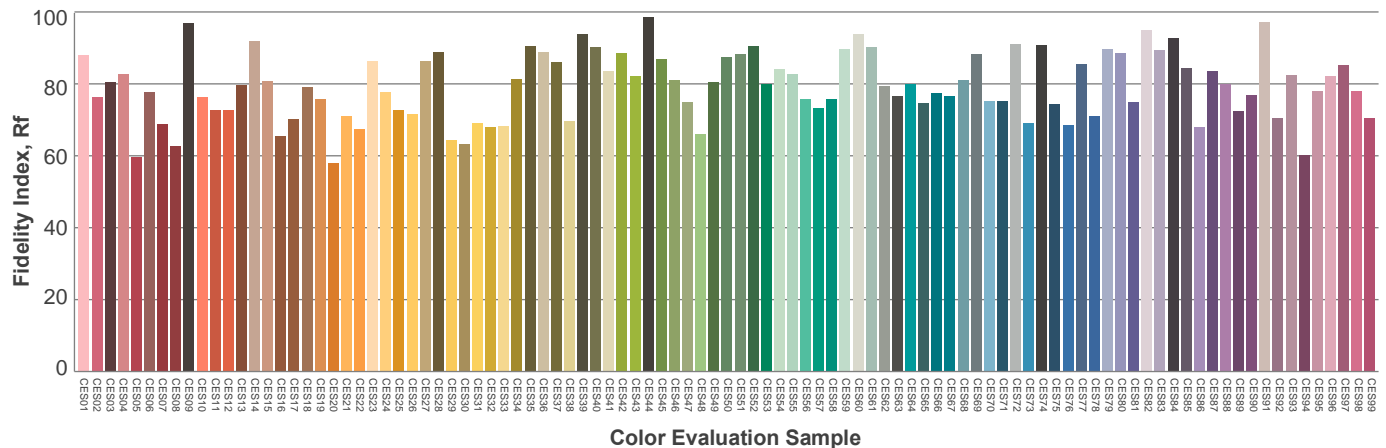
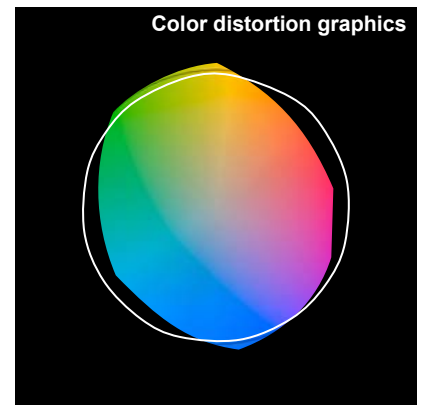
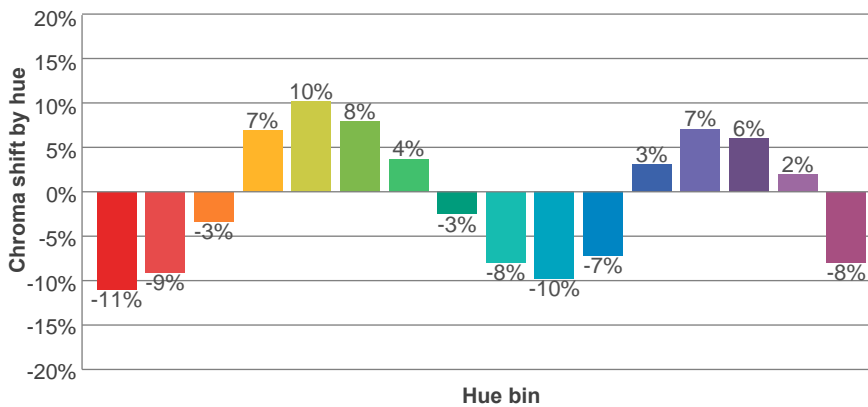
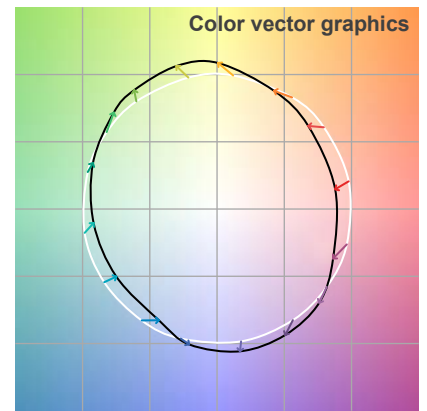
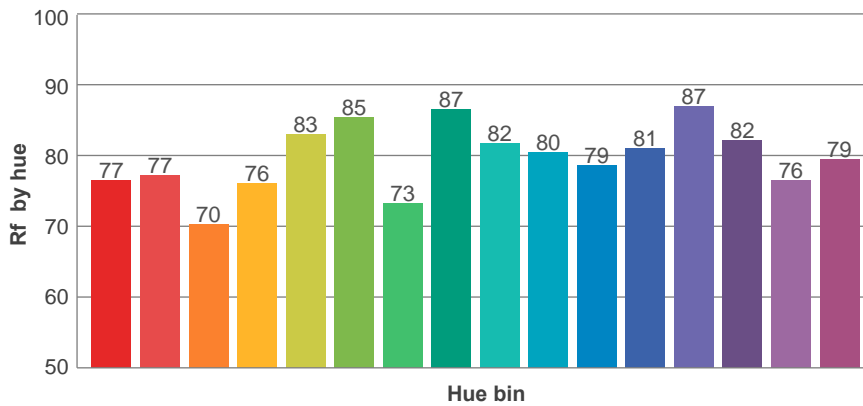
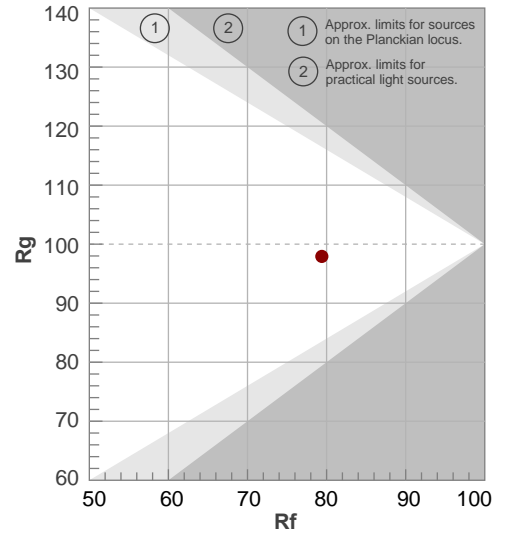
Rf 79.4

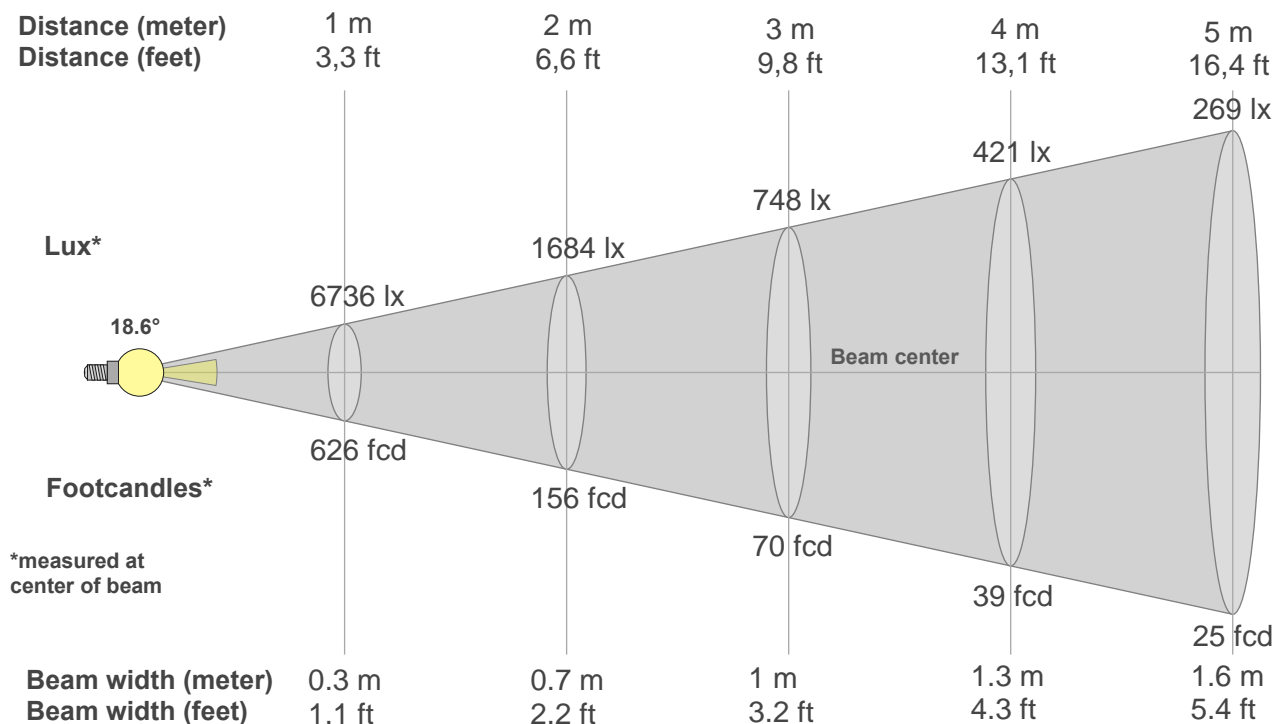
Fidelity index Rf

Rg 97.9

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	77	-11%	-4%
2	77	-9%	7%
3	70	-3%	14%
4	76	7%	13%
5	83	10%	7%
6	85	8%	-3%
7	73	4%	-15%
8	87	-3%	-7%
9	82	-8%	-6%
10	80	-10%	2%
11	79	-7%	11%
12	81	3%	7%
13	87	7%	-2%
14	82	6%	-11%
15	76	2%	-13%
16	79	-8%	-12%





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
6736lx	1684lx	748lx	421lx	269lx	187lx	137lx	105lx	83lx	67lx	56lx	47lx	40lx	34lx	30lx	26lx	23lx	21lx	19lx	17lx
625.8fcd	156.4fcd	69.5fcd	39.1fcd	25fcd	17.4fcd	12.8fcd	9.8fcd	7.7fcd	6.3fcd	5.2fcd	4.3fcd	3.7fcd	3.2fcd	2.8fcd	2.4fcd	2.2fcd	1.9fcd	1.7fcd	1.6fcd

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°
6736	6321	5802	4816	3831	3147	2484	1978	1640	1305	1111	917	766	649	531	415	298	203	121	50
100%	94%	86%	72%	57%	47%	37%	29%	24%	19%	16%	14%	11%	10%	8%	6%	4%	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°
6736	6336	5642	4858	3990	3140	2582	2025	1640	1368	1112	951	790	663	550	437	324	211	137	75
100%	94%	84%	72%	59%	47%	38%	30%	24%	20%	17%	14%	12%	10%	8%	6%	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°
6736	6568	5617	4667	3861	3124	2456	2023	1590	1317	1093	901	777	653	534	415	304	205	106	69
100%	98%	83%	69%	57%	46%	36%	30%	24%	20%	16%	13%	12%	10%	8%	6%	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°
6736	6386	5774	4976	4032	3129	2568	2008	1626	1344	1085	925	764	636	520	405	296	186	120	65
100%	95%	86%	74%	60%	46%	38%	30%	24%	20%	16%	14%	11%	9%	8%	6%	4%	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}°	50.9°	69.4°	99.5%	98.5%