

Light efficiency:

63 Lumen/Watt

Light quality:

CRI: 80.9

Color temperature:

2900 K

Output: 3266 lm

Peak: 4000 cd

Power: 52.2 W

PF: 0.99

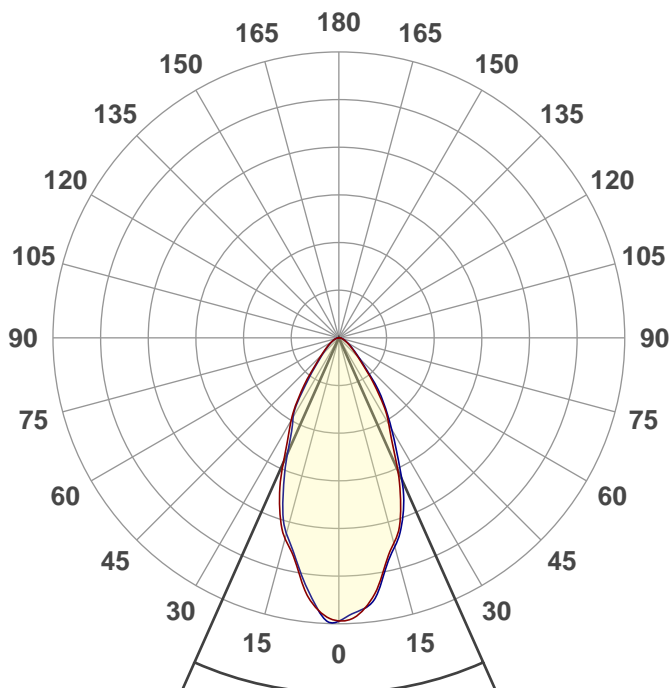


Product name:

E680-4-XTM19-50LM-30K-83-CAFDL45-DIM10-WH-RP

Date and time:

7/2/2019 2:55:44 PM



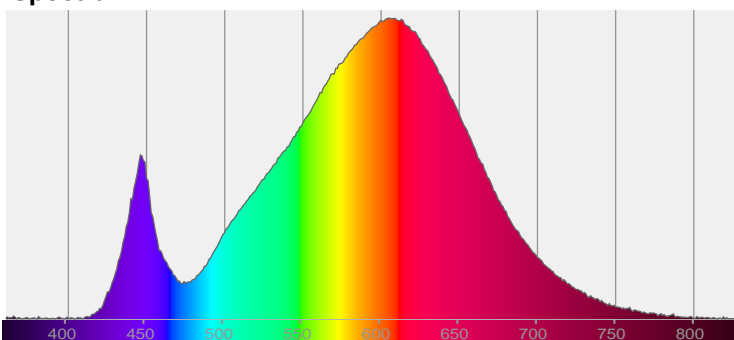
Beam angle

48°

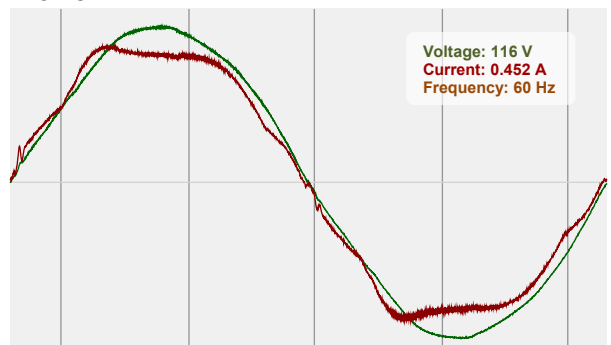


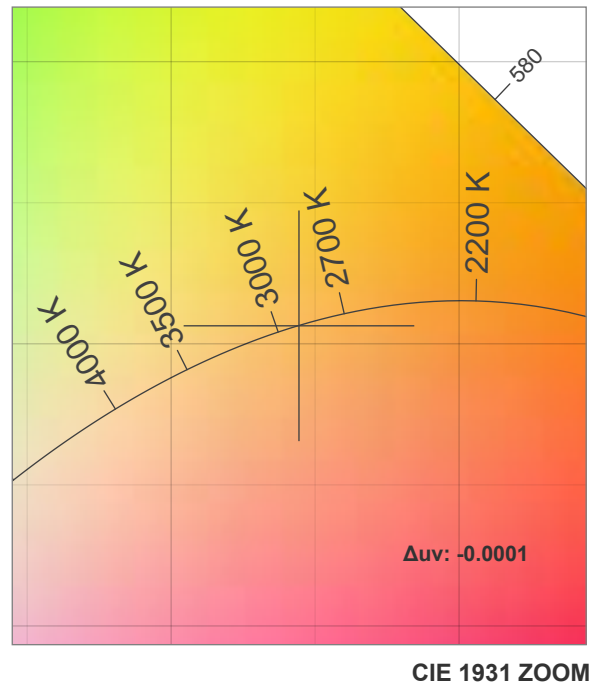
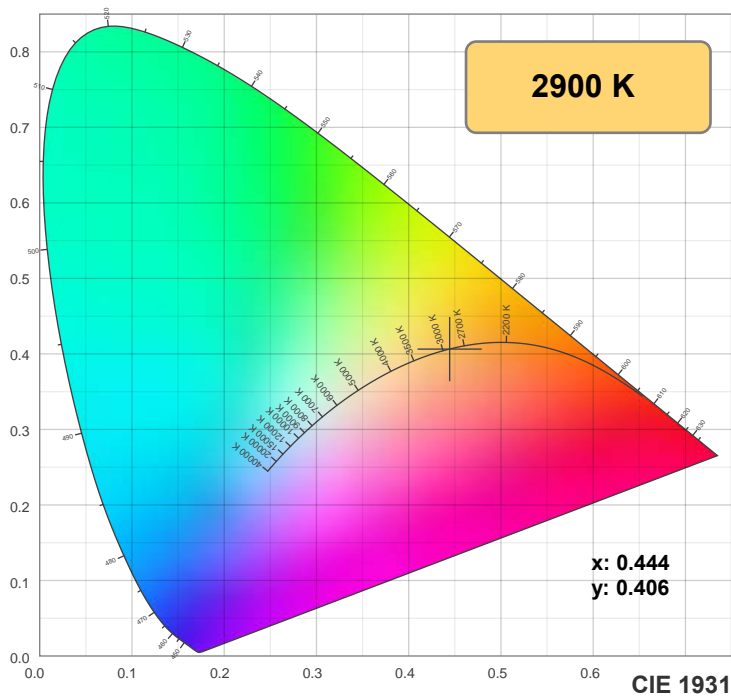
CIE 1931
x: 0.444
y: 0.406

Spectra

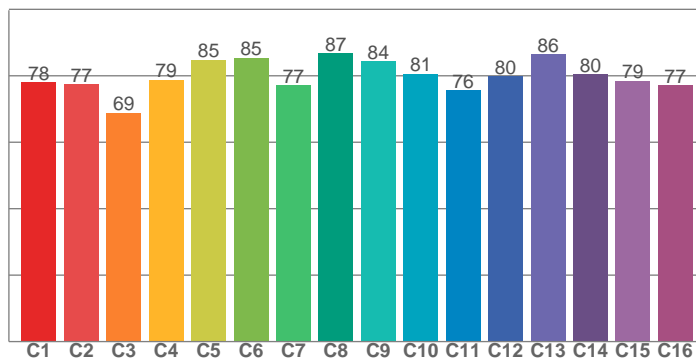


Power

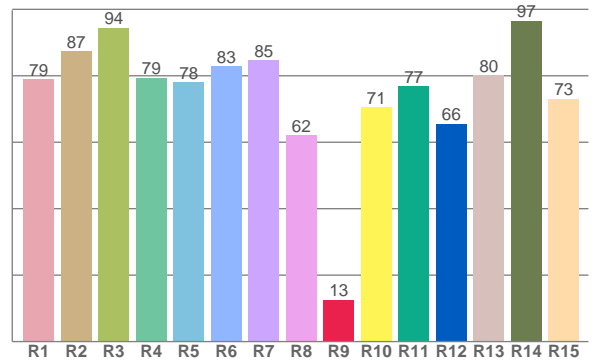




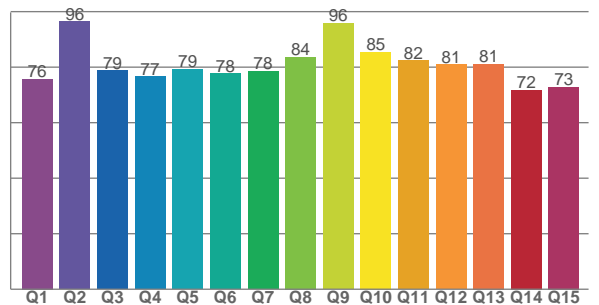
TM30: 79.8



CRI: 80.9 (R1-R8)



CQS: 79.8



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
78.9	87.3	94.4	79.4	78.0	82.8	84.6	62.1	12.6	70.6	76.9	65.6	80.2	96.5	73.1

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
78.0	77.4	68.9	78.8	84.7	85.4	77.2	86.7	84.3	80.6	75.6	79.8	86.5	80.4	78.5	77.1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
75.7	96.4	78.8	76.7	79.2	77.8	78.5	83.7	95.8	85.5	82.3	81.0	81.2	71.8	72.9

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
2900 K	80.9	12.6	79.8	98.6	79.8	0.444	0.406	0.254	0.349	-0.0001

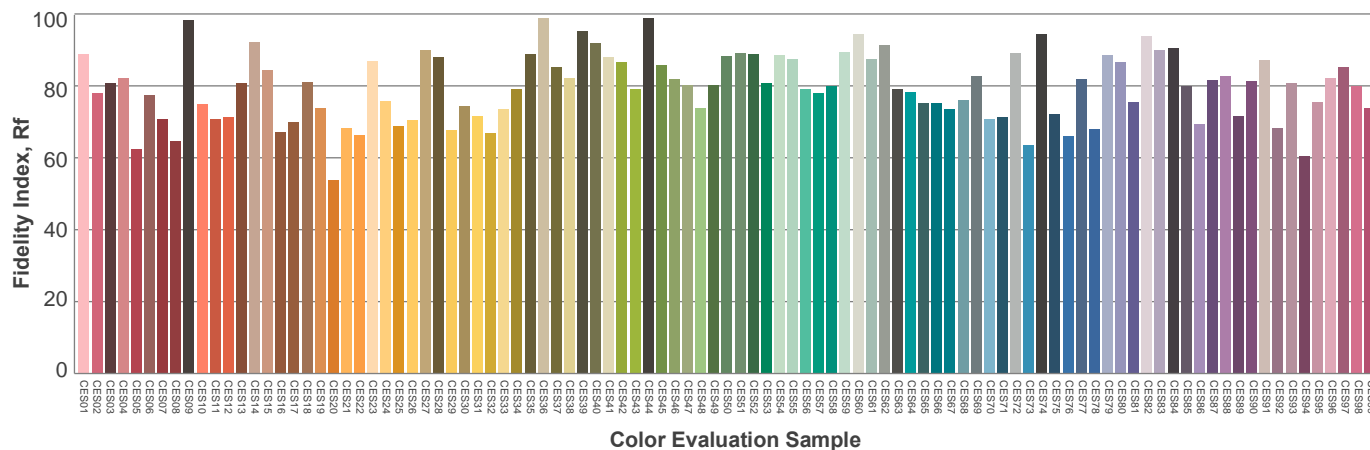
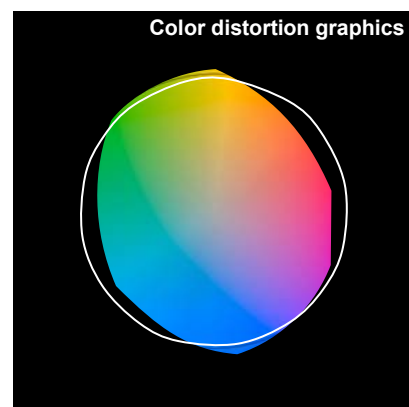
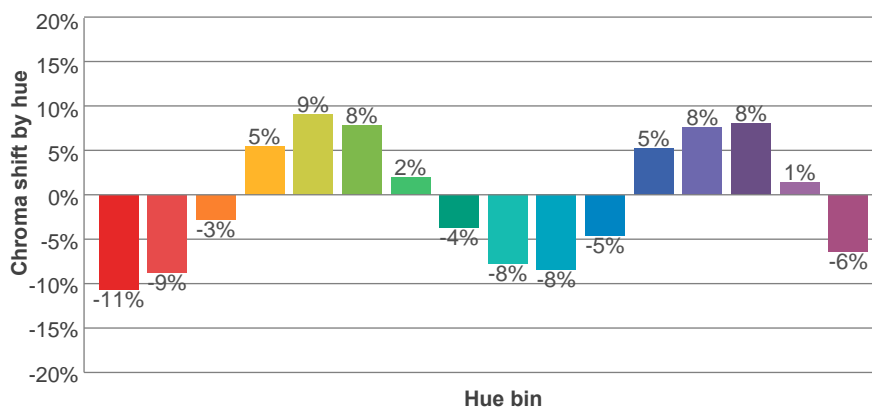
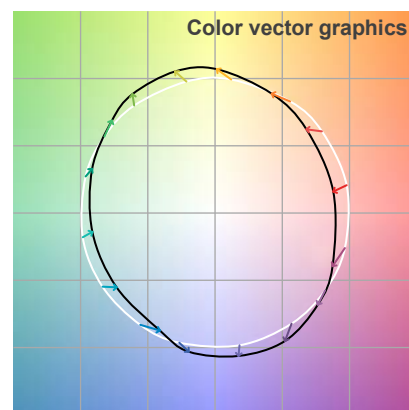
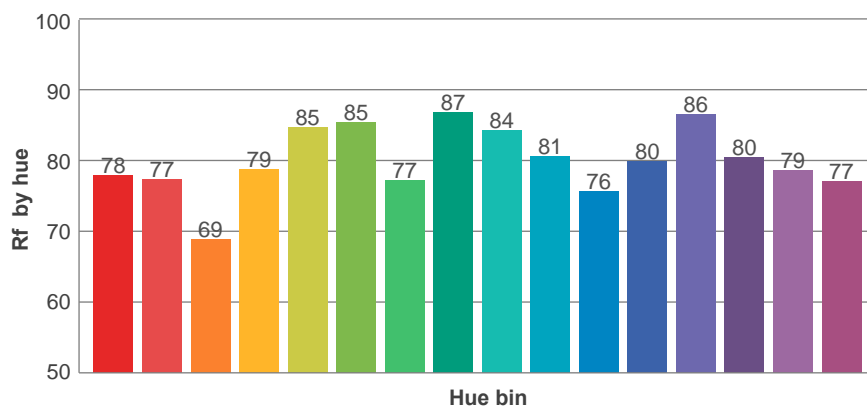
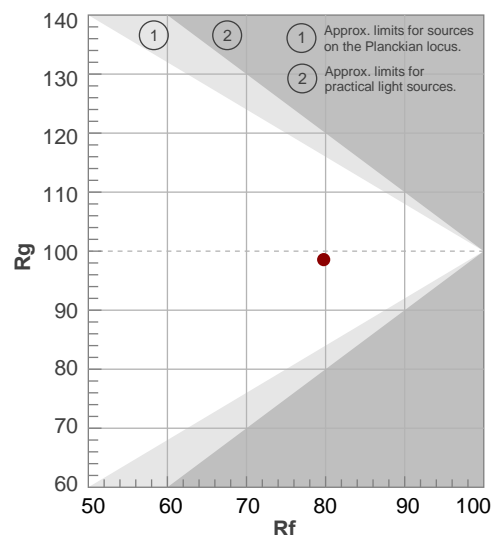
Rf 79.8

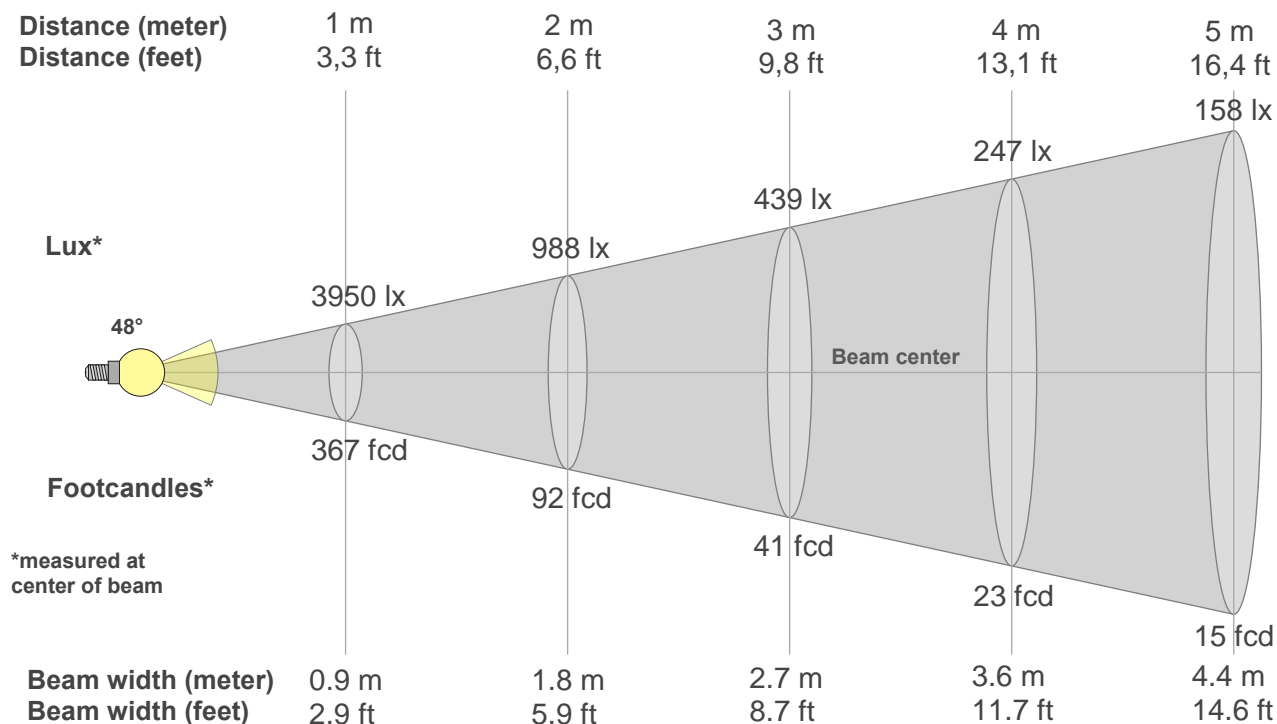
Fidelity index Rf

Rg 98.6

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	78	-11%	-3%
2	77	-9%	8%
3	69	-3%	15%
4	79	5%	12%
5	85	9%	7%
6	85	8%	-4%
7	77	2%	-13%
8	87	-4%	-7%
9	84	-8%	-3%
10	81	-8%	6%
11	76	-5%	14%
12	80	5%	8%
13	86	8%	-2%
14	80	8%	-11%
15	79	1%	-12%
16	77	-6%	-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
3950lx	988lx	439lx	247lx	158lx	110lx	81lx	62lx	49lx	40lx	33lx	27lx	23lx	20lx	18lx	15lx	14lx	12lx	11lx	10lx
367fcd	91.8fcd	40.8fcd	22.9fcd	14.7fcd	10.2fcd	7.5fcd	5.7fcd	4.5fcd	3.7fcd	3fcd	2.5fcd	2.2fcd	1.9fcd	1.6fcd	1.4fcd	1.3fcd	1.1fcd	1fcd	0.9fcd

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°
3950	3948	3887	3762	3636	3431	3226	3057	2916	2766	2530	2294	2048	1795	1562	1414	1266	1100	928	766
100%	100%	98%	95%	92%	87%	82%	77%	74%	70%	64%	58%	52%	45%	40%	36%	32%	28%	23%	19%

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°
3950	3906	3847	3779	3686	3477	3269	3111	2973	2820	2626	2431	2184	1925	1690	1502	1314	1157	1005	851
100%	99%	97%	96%	93%	88%	83%	79%	75%	71%	66%	62%	55%	49%	43%	38%	33%	29%	25%	22%

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°
3950	3945	3831	3716	3541	3327	3124	2985	2846	2651	2431	2202	1943	1685	1504	1346	1184	1017	849	707
100%	100%	97%	94%	90%	84%	79%	76%	72%	67%	62%	56%	49%	43%	38%	34%	30%	26%	21%	18%

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°
3950	3995	3840	3663	3476	3278	3079	2917	2756	2545	2287	2032	1800	1568	1402	1280	1147	957	766	628
100%	101%	97%	93%	88%	83%	78%	74%	70%	64%	58%	51%	46%	40%	35%	32%	29%	24%	19%	16%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
48°	88.4°	128.5°	94.7%	85.9%