

Light efficiency:

57 Lumen/Watt

Light quality:

CRI: 81.6

Color temperature:

2910 K

Output: 2775 lm

Peak: 3665 cd

Power: 48.8 W

PF: 1.0



Beam angle

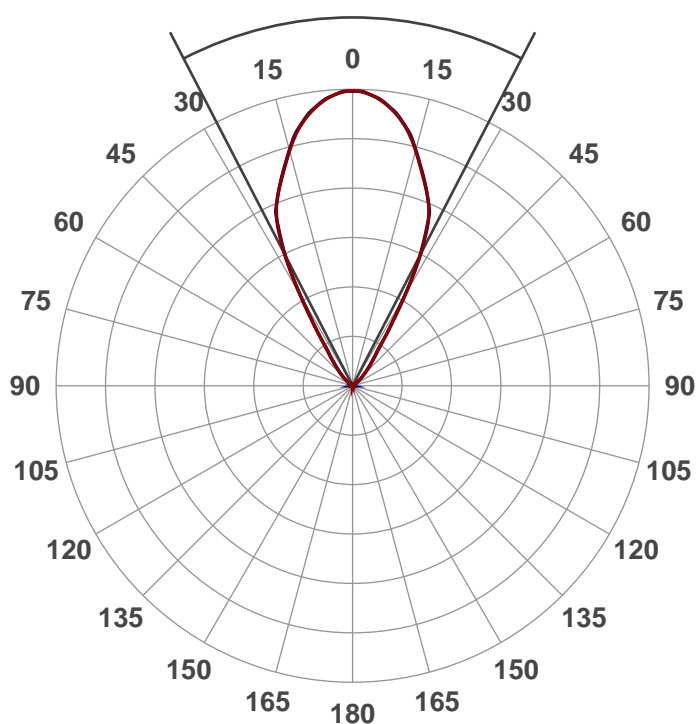
54.6°

Product name:

623-4-XTM19-40LM-30K-83-DA60

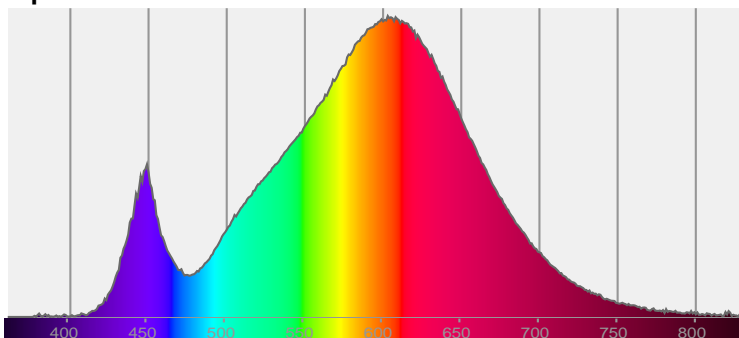
Date and time:

7/21/2016 4:38:46 PM

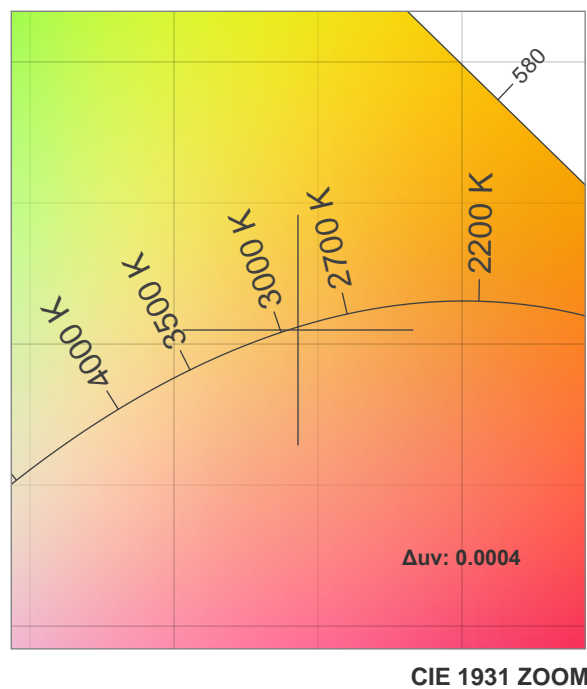
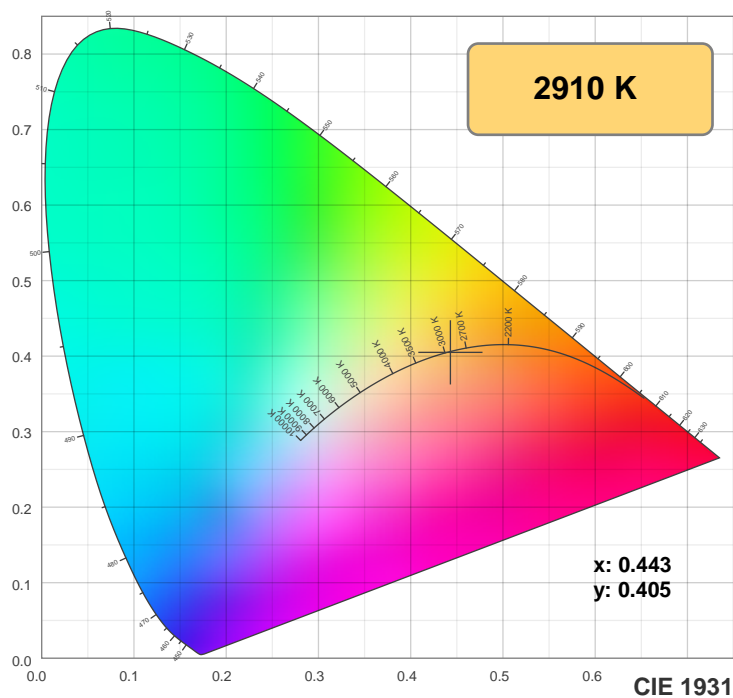


CIE 1931
x: 0.443
y: 0.405

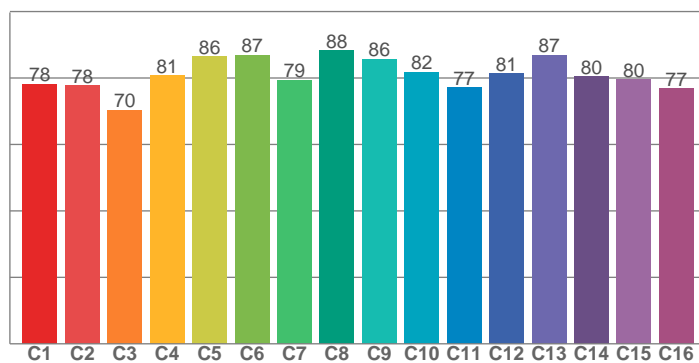
Spectra



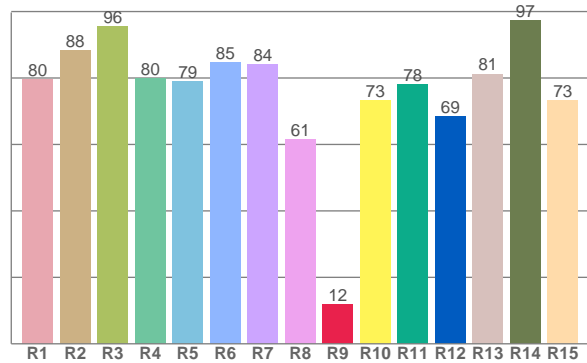
Color details



TM30: 80.9



CRI: 81.6 (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
79.6	88.4	95.7	80.0	79.0	84.7	84.2	61.5	11.9	73.2	78.0	68.5	81.2	97.4	73.3

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
78.2	77.7	70.4	80.8	86.5	86.9	79.4	88.2	85.8	81.8	77.2	81.3	86.9	80.4	79.6	76.9

Color parameters

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	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	x	y	u	v	Δuv
2910 K	81.6	11.9	80.9	98.2	0.443	0.405	0.254	0.348	0.0004

TM30 details

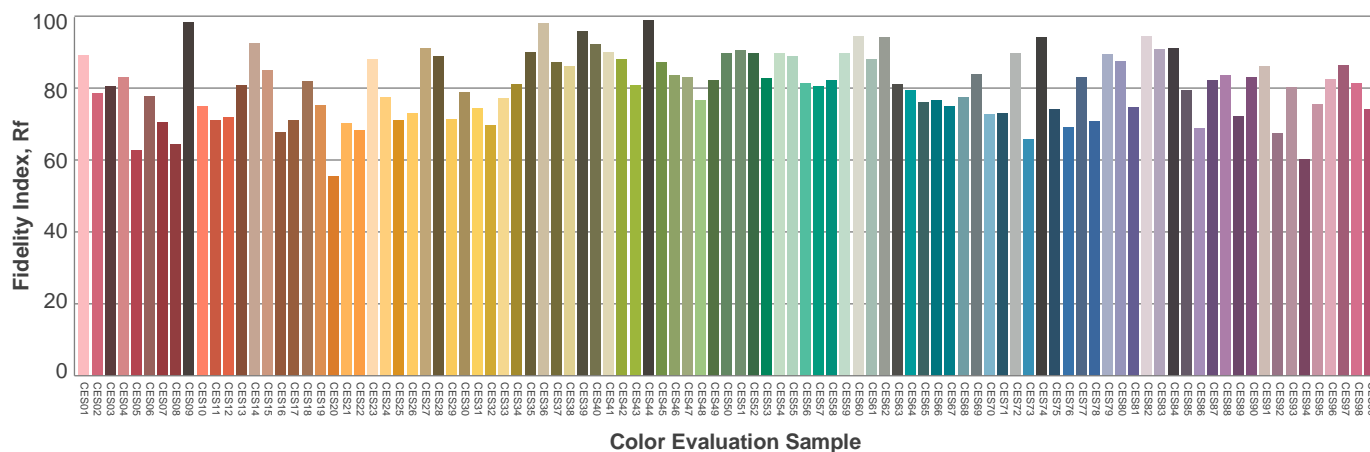
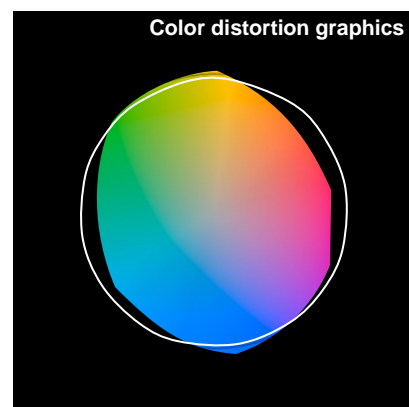
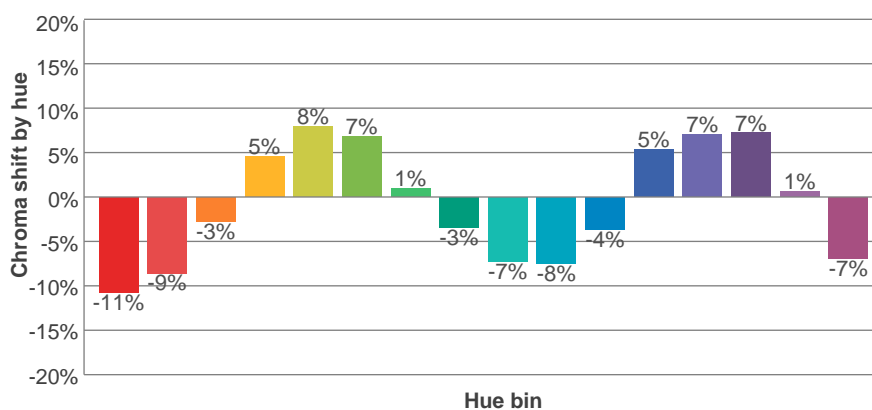
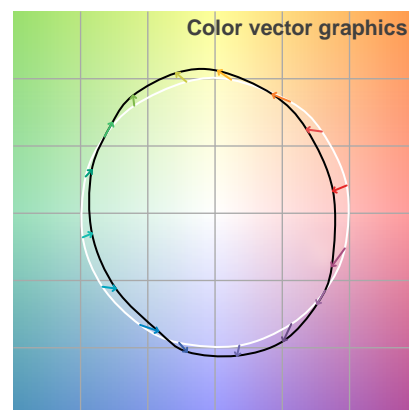
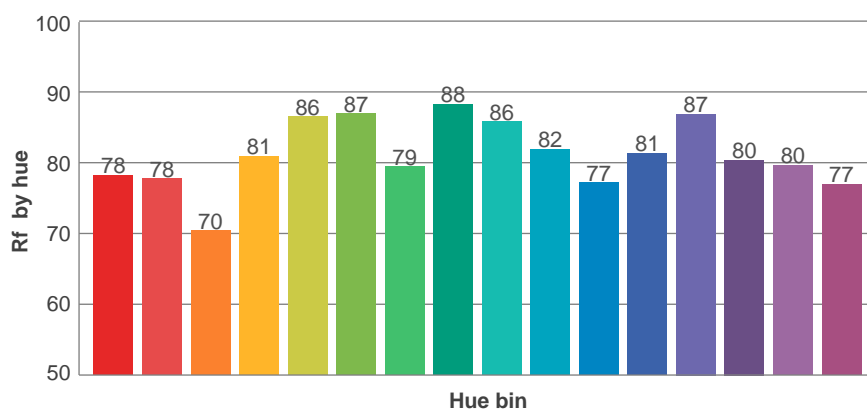
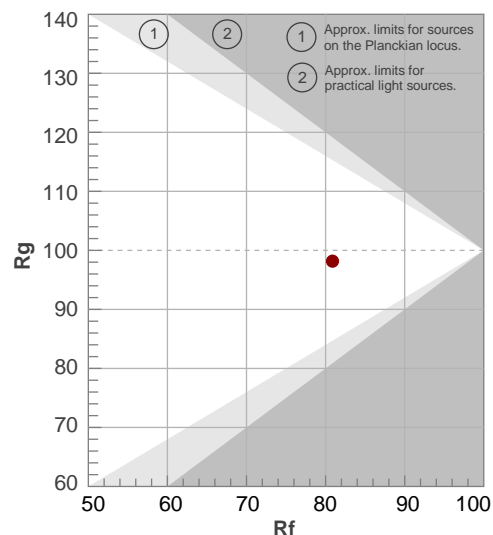
Rf 80.9

Fidelity index Rf

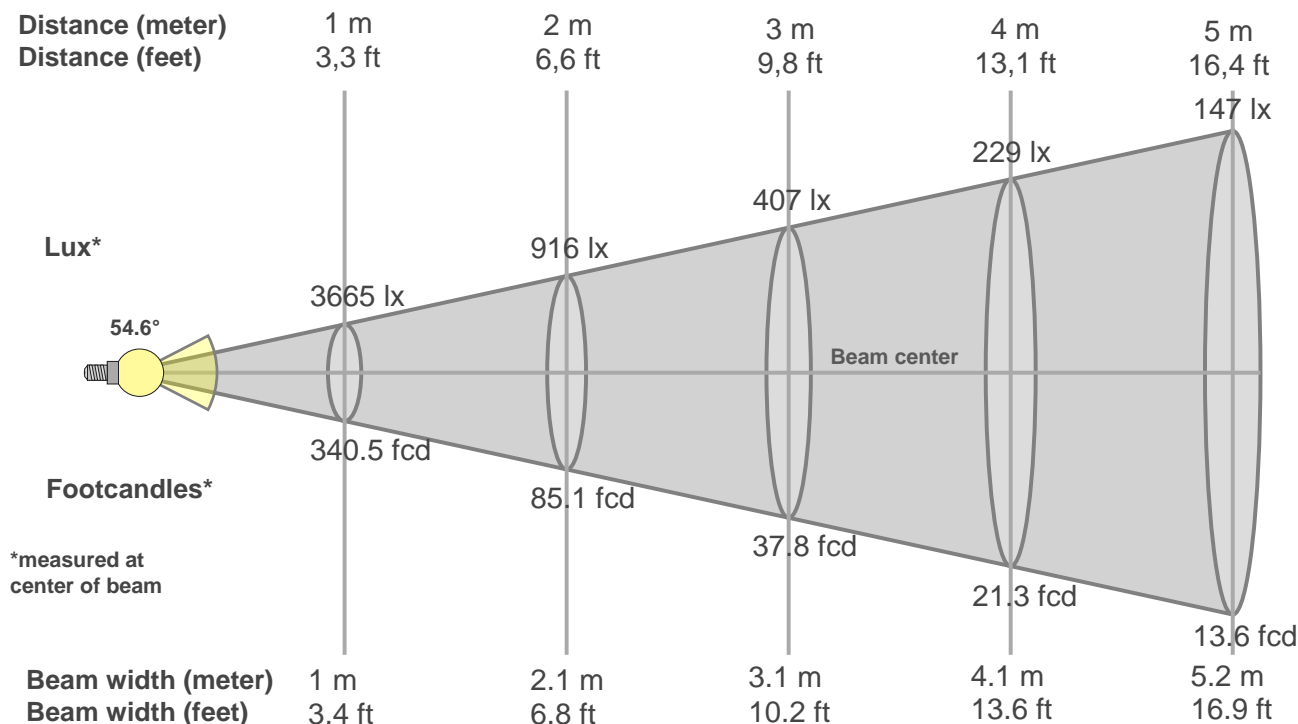
Rg 98.2

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	78	-11%	-2%
2	78	-9%	8%
3	70	-3%	14%
4	81	5%	11%
5	86	8%	6%
6	87	7%	-3%
7	79	1%	-12%
8	88	-3%	-6%
9	86	-7%	-1%
10	82	-8%	7%
11	77	-4%	14%
12	81	5%	7%
13	87	7%	-3%
14	80	7%	-12%
15	80	1%	-11%
16	77	-7%	-15%



Beam details



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
3665lx	916lx	407lx	229lx	147lx	102lx	75lx	57lx	45lx	37lx	30lx	25lx	22lx	19lx	16lx	14lx	13lx	11lx	10lx	9lx
340.5fcd	85.1fcd	37.8fcd	21.3fcd	13.6fcd	9.5fcd	6.9fcd	5.3fcd	4.2fcd	3.4fcd	2.8fcd	2.4fcd	2fcd	1.7fcd	1.5fcd	1.3fcd	1.2fcd	1.1fcd	0.9fcd	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°
3665	3652	3614	3554	3473	3375	3255	3108	2946	2789	2646	2503	2326	2062	1712	1318	951	685	523	424
100%	100%	99%	97%	95%	92%	89%	85%	80%	76%	72%	68%	63%	56%	47%	36%	26%	19%	14%	12%

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°
3665	3661	3616	3563	3481	3384	3265	3121	2955	2800	2649	2501	2349	2037	1707	1297	938	681	503	408
100%	100%	99%	97%	95%	92%	89%	85%	81%	76%	72%	68%	64%	56%	47%	35%	26%	19%	14%	11%

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°
3665	3652	3614	3554	3473	3375	3255	3108	2946	2789	2646	2503	2326	2062	1712	1318	951	685	523	424
100%	100%	99%	97%	95%	92%	89%	85%	80%	76%	72%	68%	63%	56%	47%	36%	26%	19%	14%	12%

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°
3665	3661	3616	3563	3481	3384	3265	3121	2955	2800	2649	2501	2349	2037	1707	1297	938	681	503	408
100%	100%	99%	97%	95%	92%	89%	85%	81%	76%	72%	68%	64%	56%	47%	35%	26%	19%	14%	11%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
54.6°	78.4°	102.1°	99.3%	95.5%