

Light efficiency:

62 Lumen/Watt

Light quality:

CRI: 81.7

Color temperature:

2910 K

Output: 3029 lm

Peak: 4746 cd

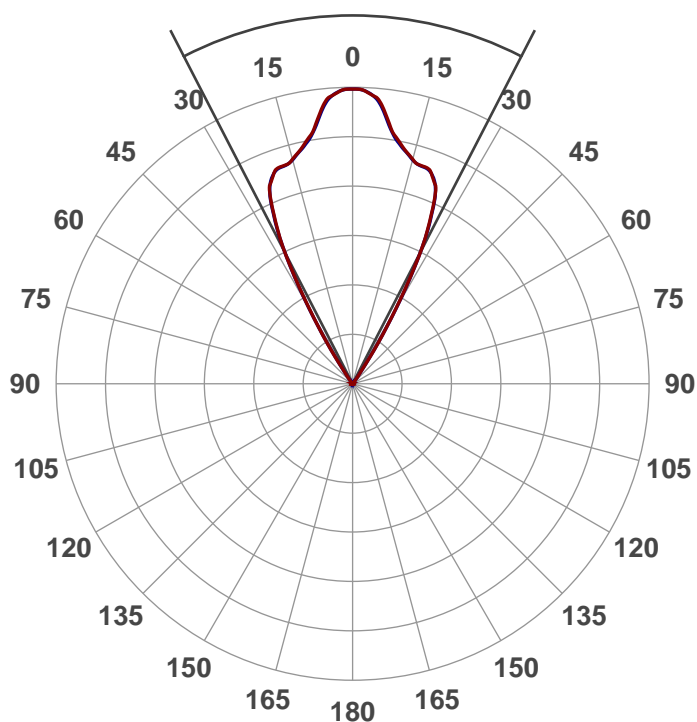
Power: 48.6 W

PF: 1.0



Beam angle

54.5°



Product name:

623-4-XTM19-40LM-30K-83-SA60

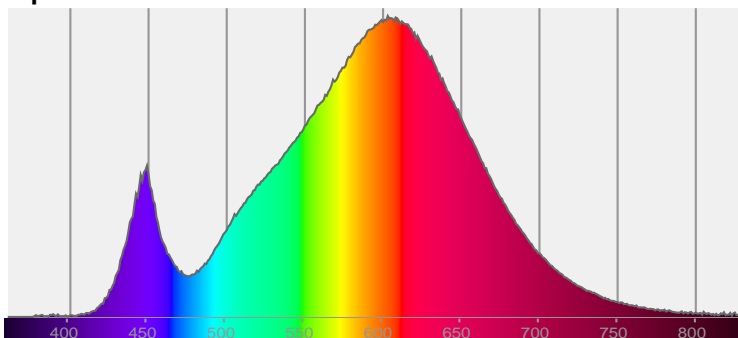
Date and time:

7/21/2016 4:07:19 PM

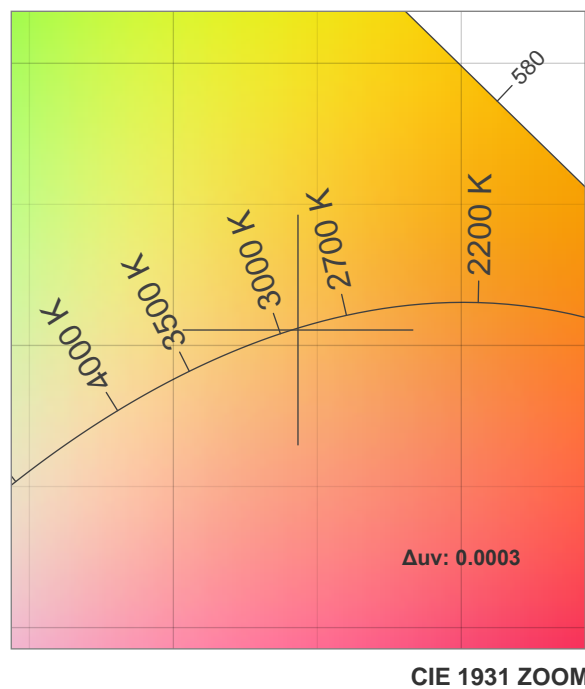
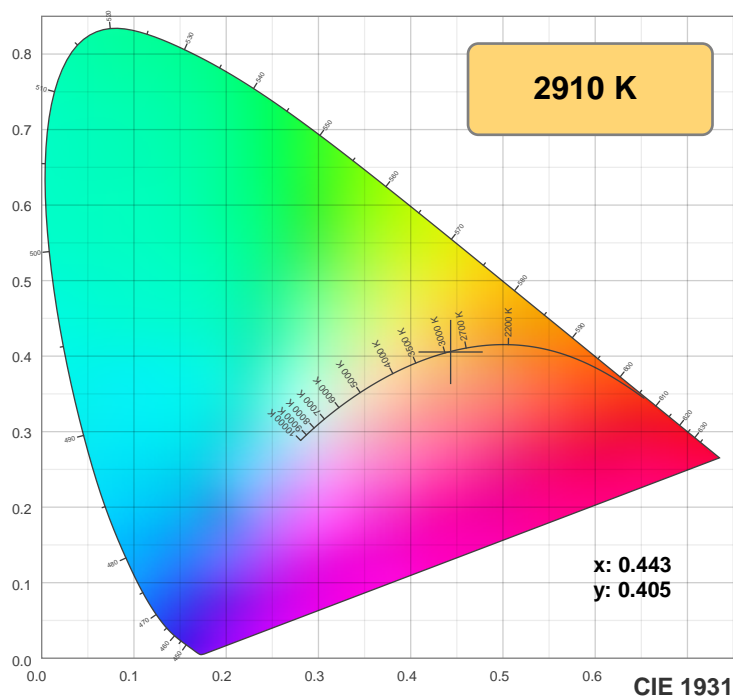


CIE 1931  
x: 0.443  
y: 0.405

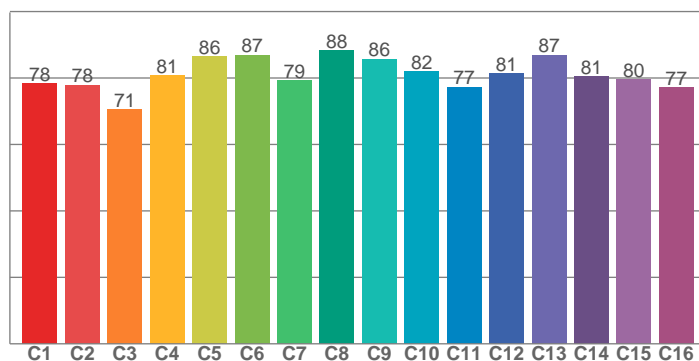
Spectra



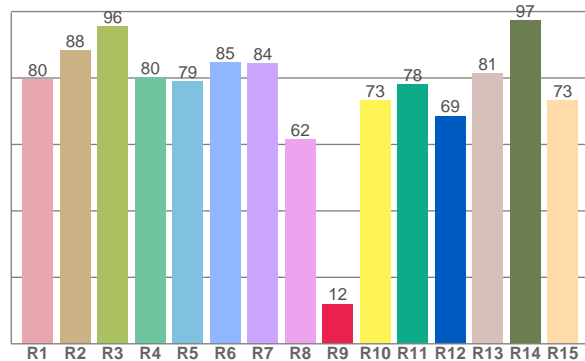
## Color details



TM30: 80.9



CRI: 81.7 (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	95.6	80.1	79.1	84.7	84.3	61.6	12.0	73.1	78.2	68.6	81.3	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
78.3	77.9	70.5	80.9	86.4	86.9	79.3	88.2	85.8	82.0	77.3	81.4	87.0	80.5	79.6	77.1

## 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	81.7	12.0	80.9	98.2	0.443	0.405	0.254	0.349	0.0003

## TM30 details

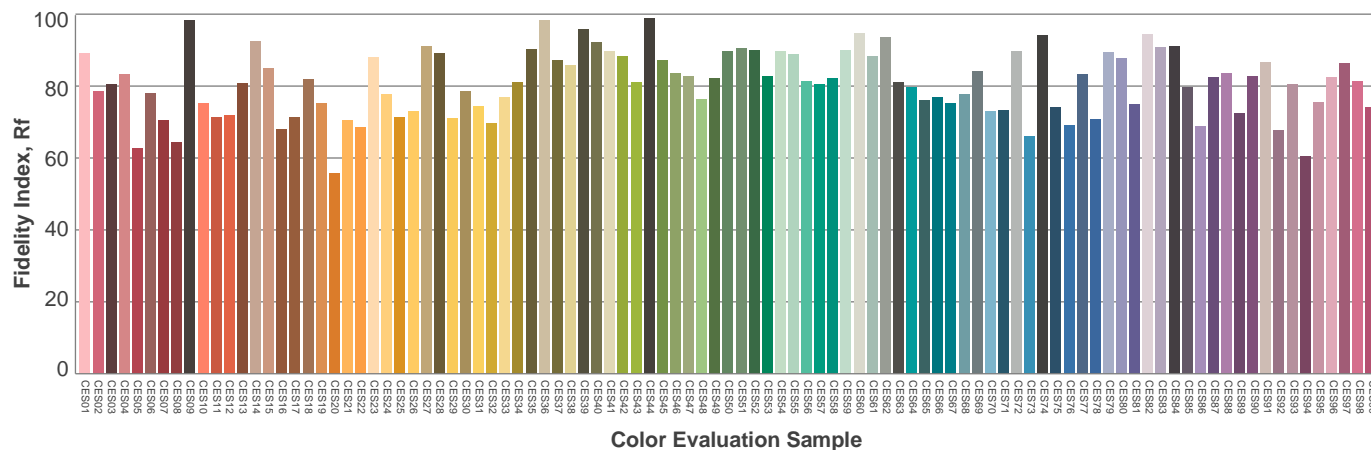
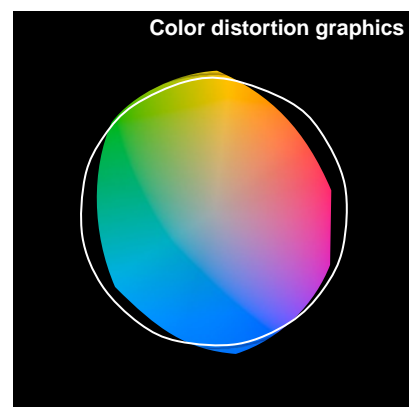
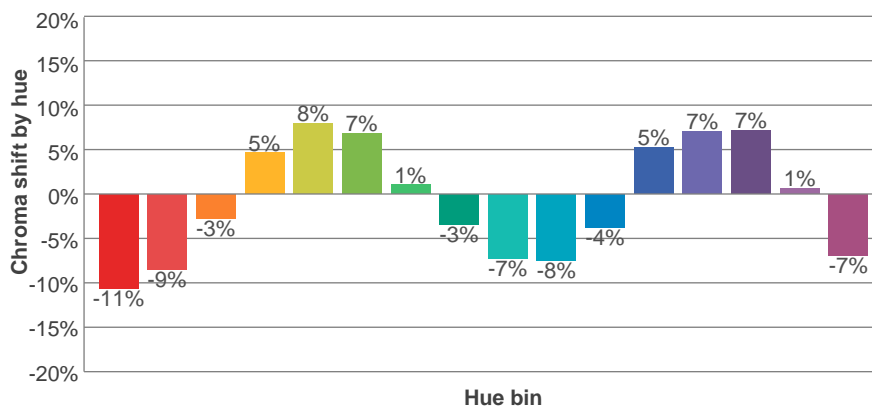
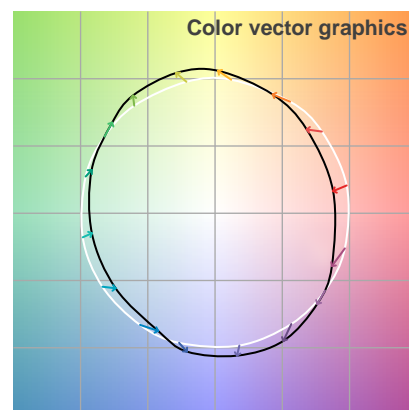
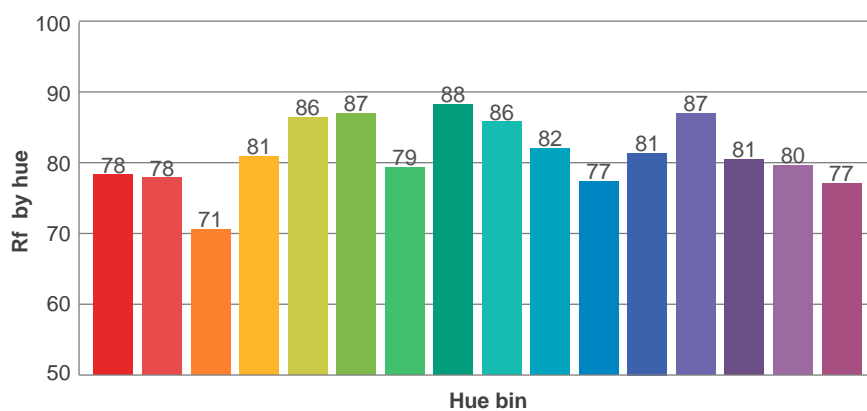
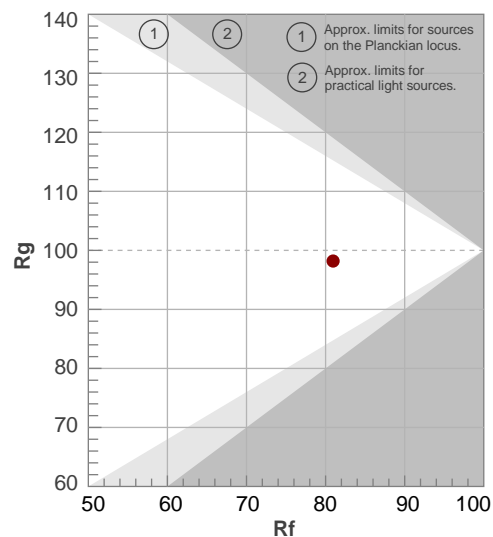
**Rf 80.9**

Fidelity index Rf

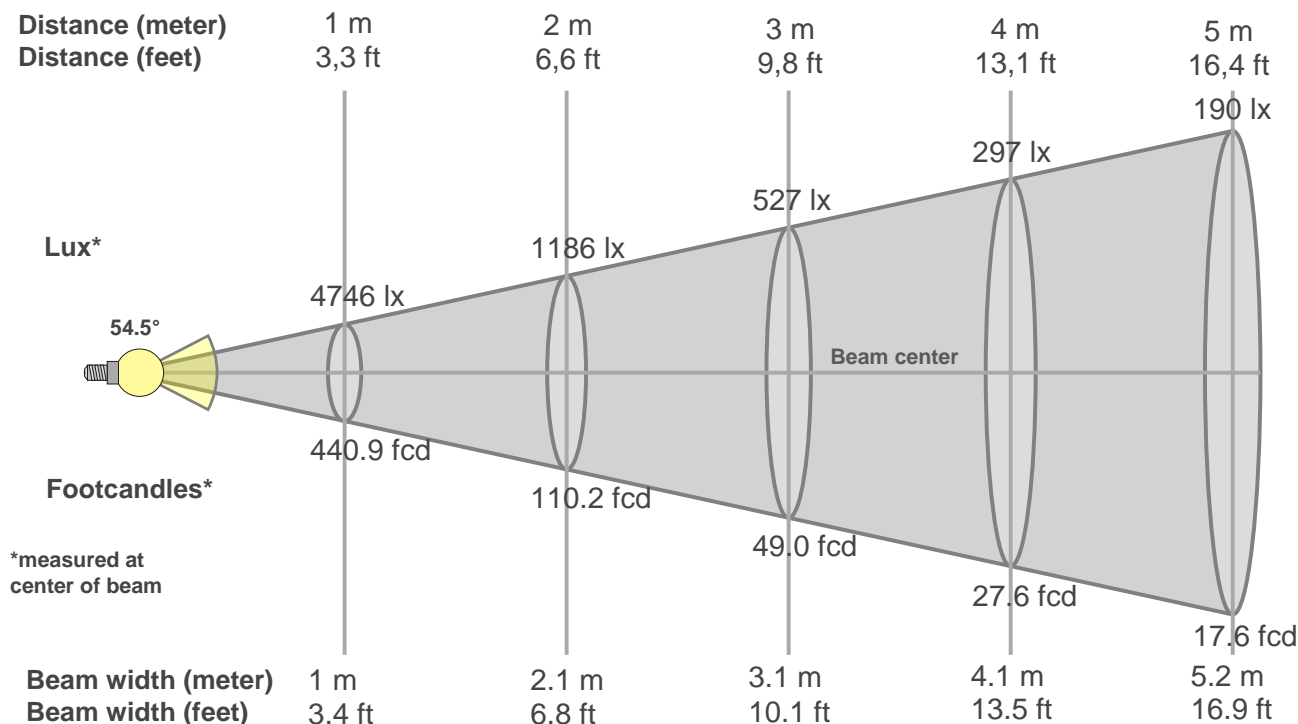
**Rg 98.2**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	78	-11%	-2%
2	78	-9%	8%
3	71	-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%	-2%
10	82	-8%	6%
11	77	-4%	14%
12	81	5%	7%
13	87	7%	-3%
14	81	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
4746lx	1186lx	527lx	297lx	190lx	132lx	97lx	74lx	59lx	47lx	39lx	33lx	28lx	24lx	21lx	19lx	16lx	15lx	13lx	12lx
440.9fcd	110.2fcd	49fcd	27.6fcd	17.6fcd	12.2fcd	9fcd	6.9fcd	5.4fcd	4.4fcd	3.6fcd	3.1fcd	2.6fcd	2.2fcd	2fcd	1.7fcd	1.5fcd	1.4fcd	1.2fcd	1.1fcd

### 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°
4746	4735	4655	4512	4236	4033	3896	3791	3697	3682	3653	3505	3237	2744	2113	1380	789	257	130	42
100%	100%	98%	95%	89%	85%	82%	80%	78%	78%	77%	74%	68%	58%	45%	29%	17%	5%	3%	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°
4746	4732	4655	4482	4206	4003	3878	3782	3699	3673	3641	3521	3257	2774	2136	1417	781	310	123	47
100%	100%	98%	94%	89%	84%	82%	80%	78%	77%	77%	74%	69%	58%	45%	30%	16%	7%	3%	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°
4746	4735	4655	4512	4236	4033	3896	3791	3697	3682	3653	3505	3237	2744	2113	1380	789	257	130	42
100%	100%	98%	95%	89%	85%	82%	80%	78%	78%	77%	74%	68%	58%	45%	29%	17%	5%	3%	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°
4746	4732	4655	4482	4206	4003	3878	3782	3699	3673	3641	3521	3257	2774	2136	1417	781	310	123	47
100%	100%	98%	94%	89%	84%	82%	80%	78%	77%	77%	74%	69%	58%	45%	30%	16%	7%	3%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
54.5°	66.3°	72.1°	99.3%	98.9%