

Light efficiency:

53 Lumen/Watt

Light quality:

CRI: 81.7

Color temperature:

2917 K

Output: 2613 lm

Peak: 5006 cd

Power: 49.0 W

PF: 1.0



Beam angle

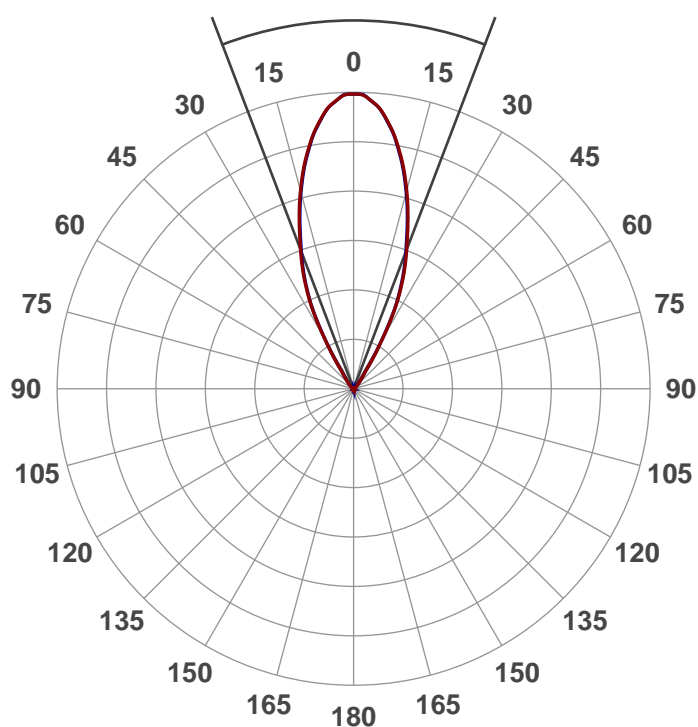
41.8°

Product name:

623-4-XTM19-40LM-30K-83-DA40

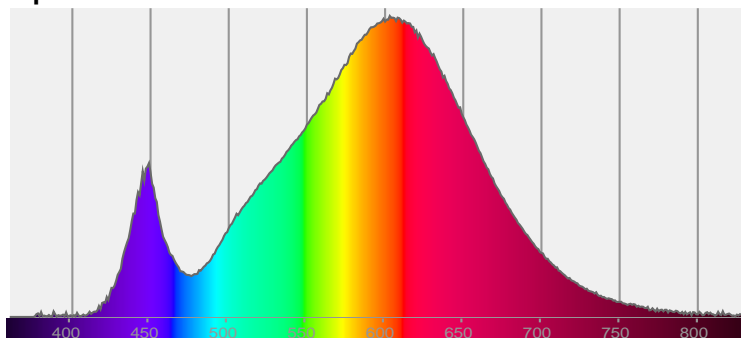
Date and time:

7/21/2016 4:17:27 PM

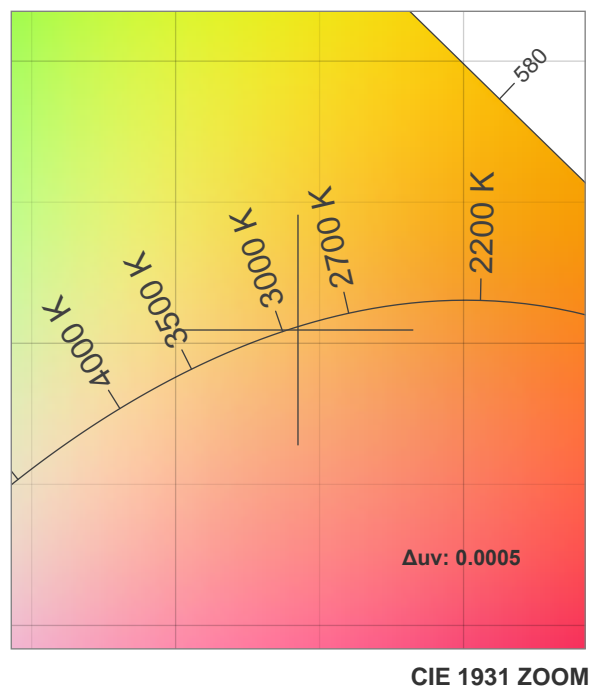
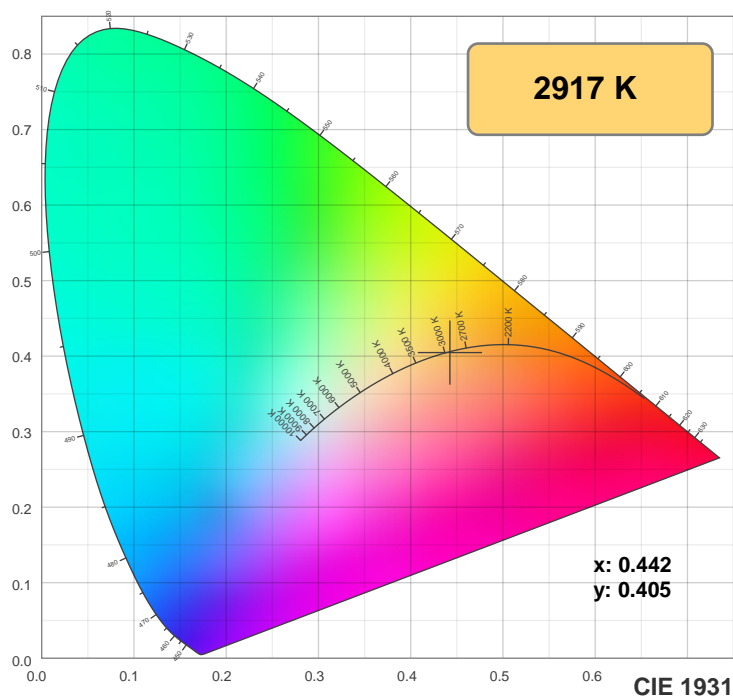


CIE 1931
x: 0.442
y: 0.405

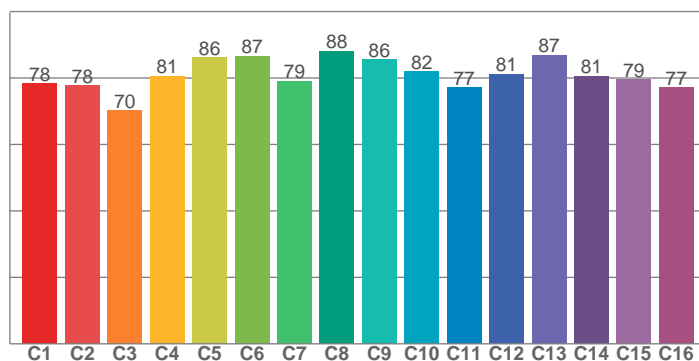
Spectra



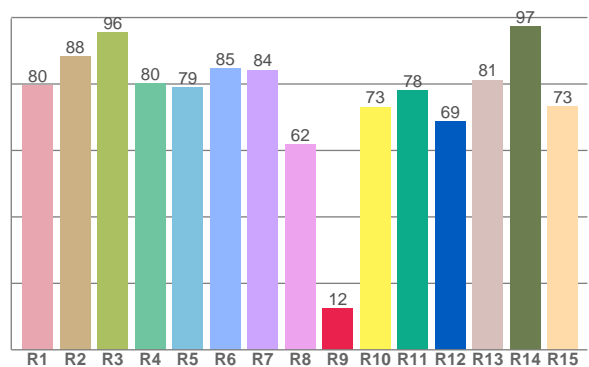
Color details



TM30: 80.8



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	84.6	84.3	61.8	12.4	73.1	78.1	68.7	81.2	97.3	73.4

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	77.7	70.3	80.6	86.2	86.7	79.1	88.1	85.7	81.9	77.2	81.2	86.9	80.6	79.5	77.2

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
2917 K	81.7	12.4	80.8	98.3	0.442	0.405	0.254	0.348	0.0005

TM30 details

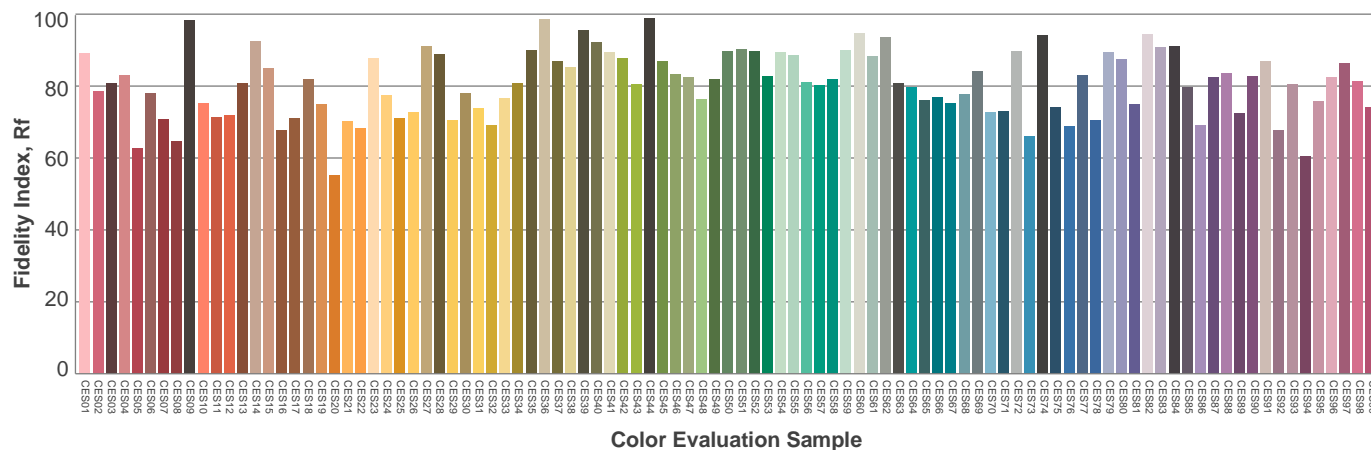
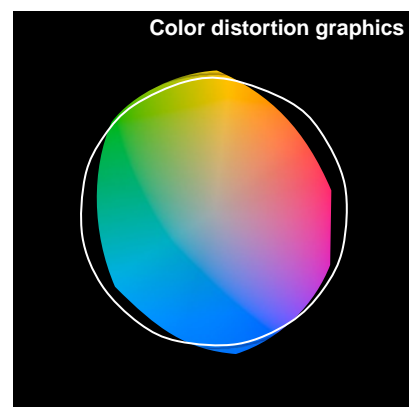
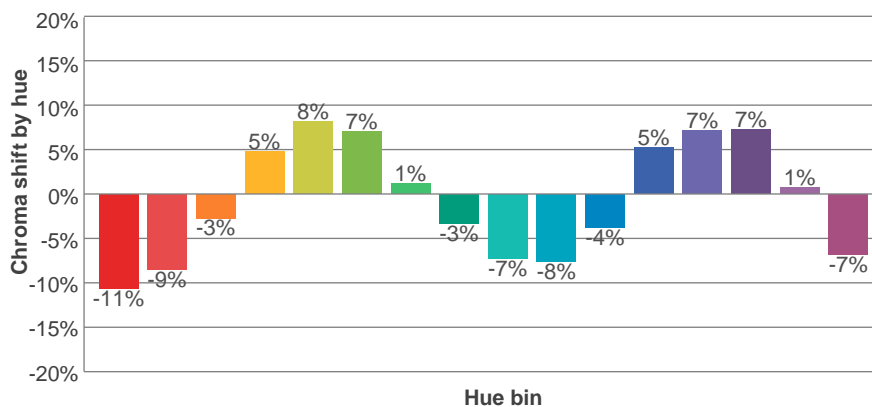
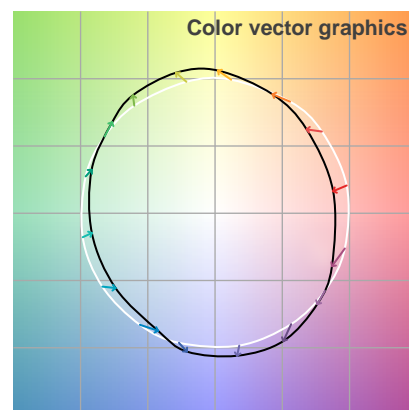
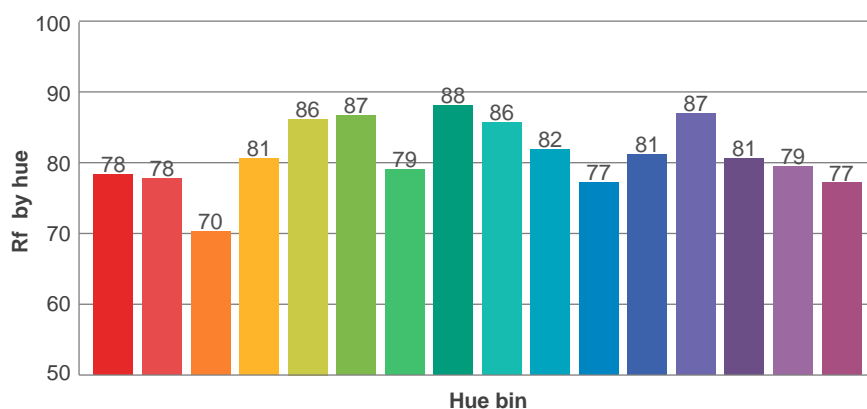
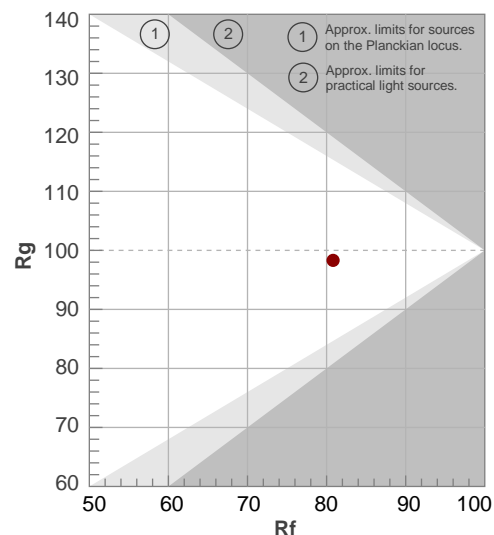
Rf 80.8

Fidelity index Rf

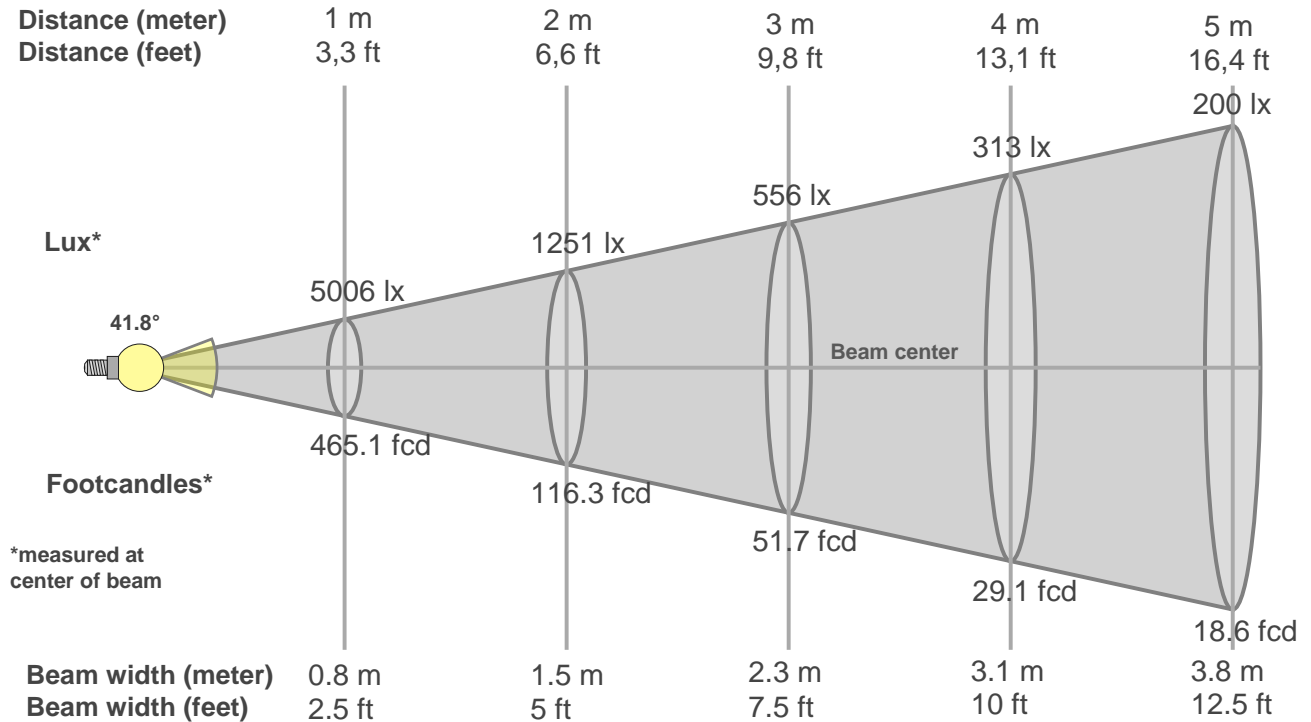
Rg 98.3

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%	-2%
10	82	-8%	6%
11	77	-4%	14%
12	81	5%	7%
13	87	7%	-3%
14	81	7%	-12%
15	79	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
5006lx	1251lx	556lx	313lx	200lx	139lx	102lx	78lx	62lx	50lx	41lx	35lx	30lx	26lx	22lx	20lx	17lx	15lx	14lx	13lx
465.1fcd	116.3fcd	51.7fcd	29.1fcd	18.6fcd	12.9fcd	9.5fcd	7.3fcd	5.7fcd	4.7fcd	3.8fcd	3.2fcd	2.8fcd	2.4fcd	2.1fcd	1.8fcd	1.6fcd	1.4fcd	1.3fcd	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°
5006	4985	4872	4718	4497	4242	3958	3646	3323	2988	2659	2368	2071	1756	1392	990	672	402	289	212
100%	100%	97%	94%	90%	85%	79%	73%	66%	60%	53%	47%	41%	35%	28%	20%	13%	8%	6%	4%

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°
5006	4993	4868	4711	4484	4224	3934	3617	3290	2952	2621	2333	2037	1725	1365	967	654	369	278	202
100%	100%	97%	94%	90%	84%	79%	72%	66%	59%	52%	47%	41%	34%	27%	19%	13%	7%	6%	4%

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°
5006	4985	4872	4718	4497	4242	3958	3646	3323	2988	2659	2368	2071	1756	1392	990	672	402	289	212
100%	100%	97%	94%	90%	85%	79%	73%	66%	60%	53%	47%	41%	35%	28%	20%	13%	8%	6%	4%

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°
5006	4993	4868	4711	4484	4224	3934	3617	3290	2952	2621	2333	2037	1725	1365	967	654	369	278	202
100%	100%	97%	94%	90%	84%	79%	72%	66%	59%	52%	47%	41%	34%	27%	19%	13%	7%	6%	4%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
41.8°	66.2°	85.4°	99.1%	96.9%