

Light efficiency:

73 Lumen/Watt

Light quality:

CRI: 80.6

Color temperature:

2944 K

Output: 3026 lm

Peak: 4069 cd

Power: 41.2 W

PF: 0.99



Beam angle

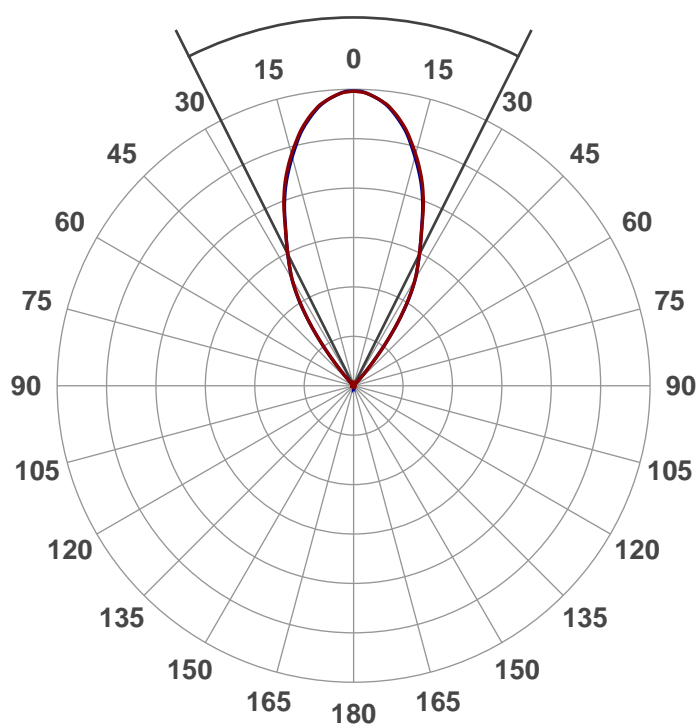
53.1°

Product name:

608-4-XTM19-38LM-30K-83-SA60-
CLR

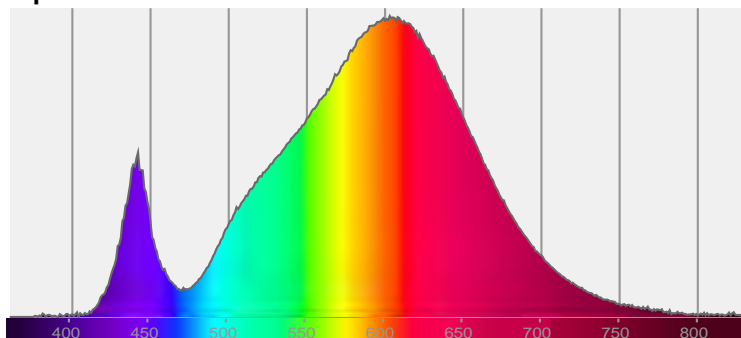
Date and time:

9/28/2016 3:23:51 PM

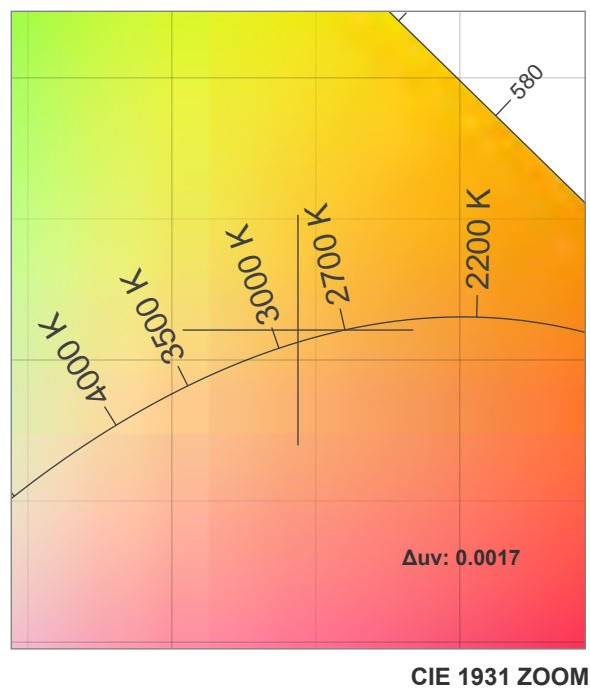
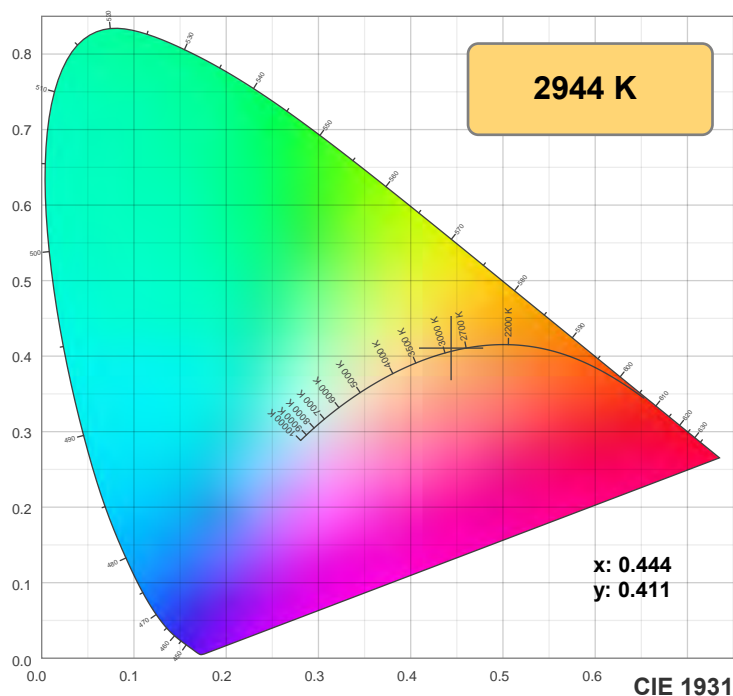


CIE 1931
x: 0.444
y: 0.411

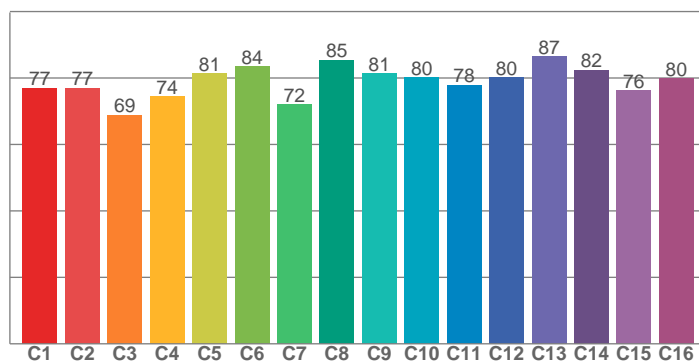
Spectra



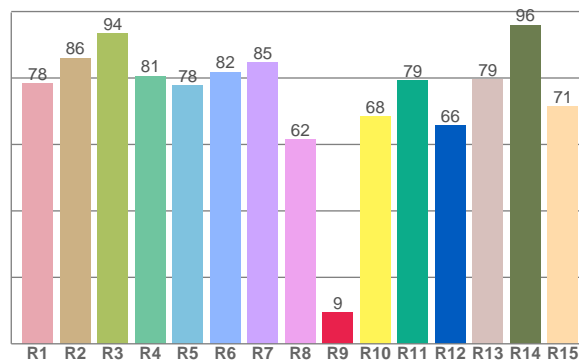
Color details



TM30: 78.7



CRI: 80.6 (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
78.4	86.1	93.5	80.6	77.8	81.9	84.6	61.6	9.4	68.4	79.4	65.7	79.5	96.0	71.4

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
77.0	77.0	68.9	74.4	81.4	83.5	71.9	85.4	81.3	80.2	77.9	80.1	86.5	82.4	76.3	79.8

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
2944 K	80.6	9.4	78.7	98.9	0.444	0.411	0.252	0.350	0.0017

TM30 details

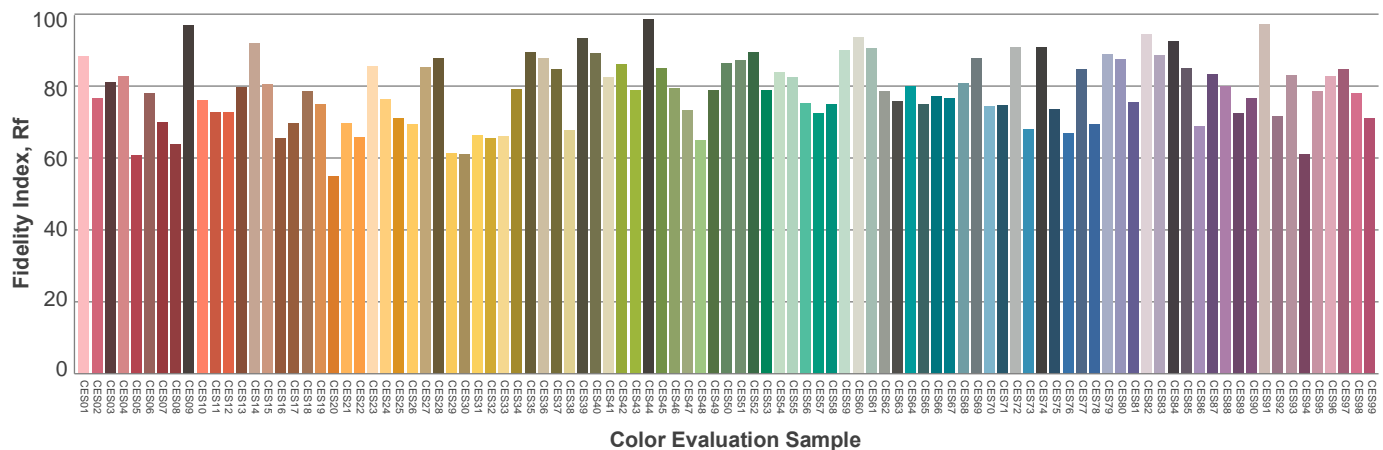
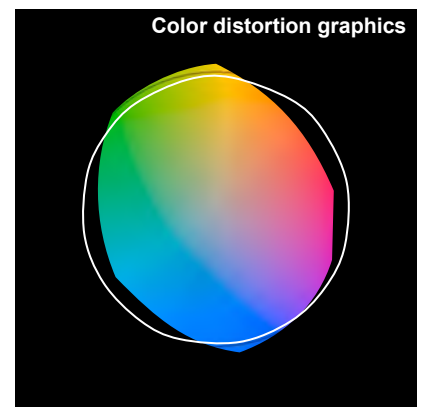
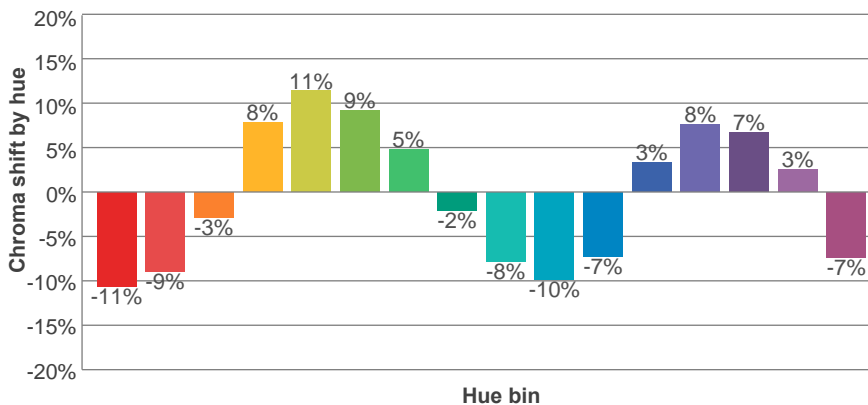
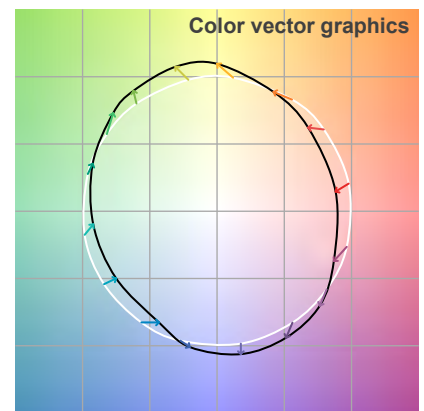
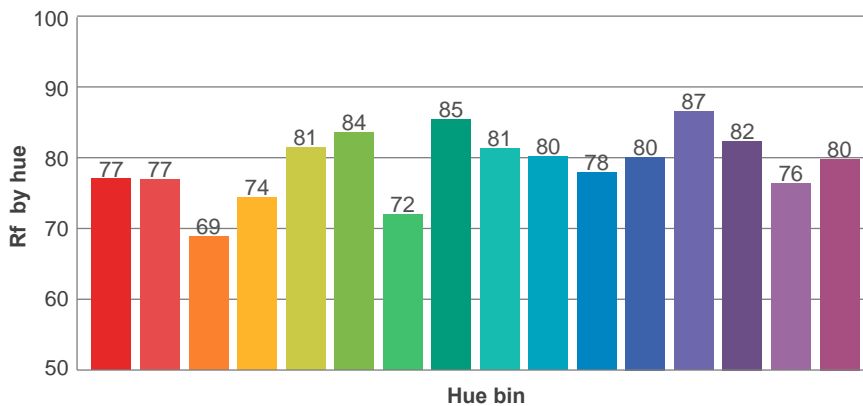
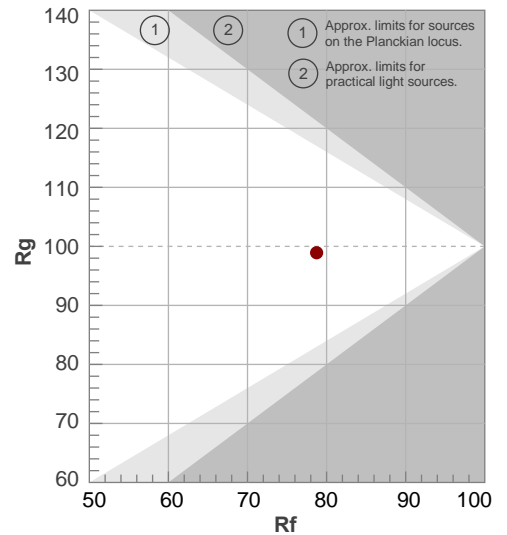
Rf 78.7

Fidelity index Rf

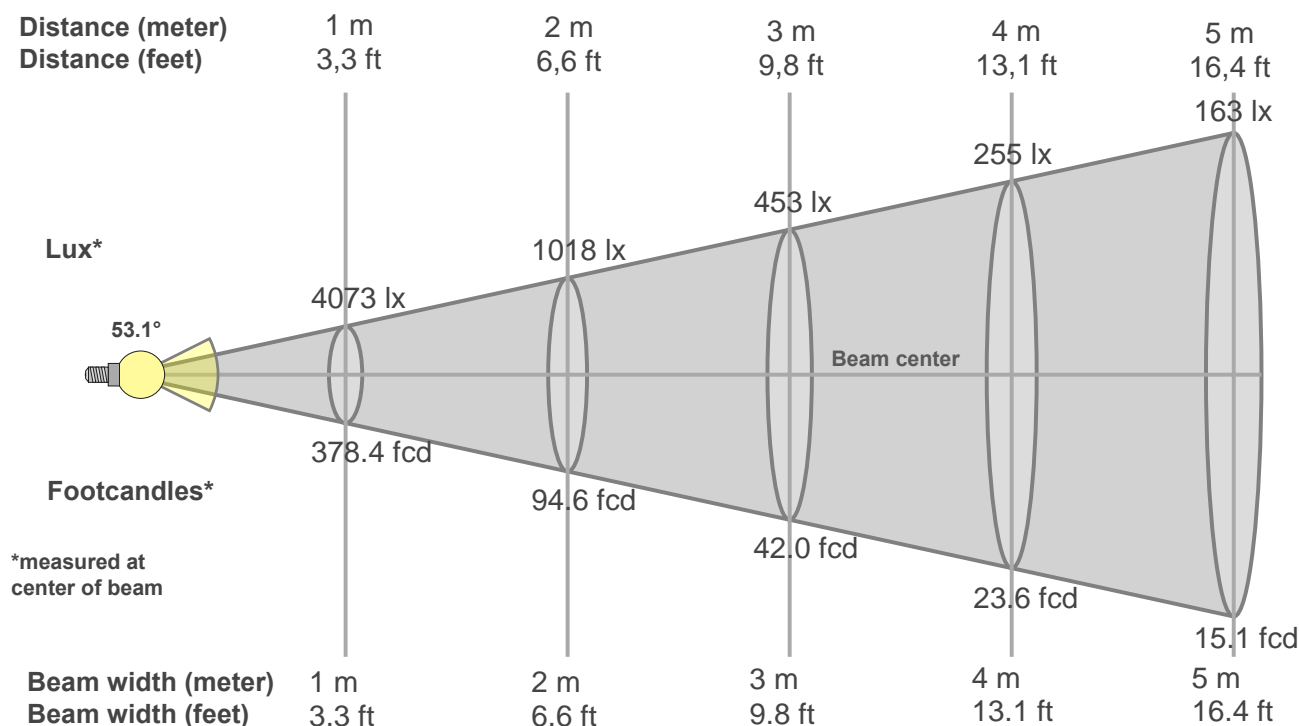
Rg 98.9

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	77	-11%	-4%
2	77	-9%	8%
3	69	-3%	15%
4	74	8%	14%
5	81	11%	8%
6	84	9%	-3%
7	72	5%	-15%
8	85	-2%	-8%
9	81	-8%	-6%
10	80	-10%	1%
11	78	-7%	11%
12	80	3%	8%
13	87	8%	-1%
14	82	7%	-10%
15	76	3%	-13%
16	80	-7%	-12%



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
4073lx	1018lx	453lx	255lx	163lx	113lx	83lx	64lx	50lx	41lx	34lx	28lx	24lx	21lx	18lx	16lx	14lx	13lx	11lx	10lx
378.4fcd	94.6fcd	42fcd	23.6fcd	15.1fcd	10.5fcd	7.7fcd	5.9fcd	4.7fcd	3.8fcd	3.1fcd	2.6fcd	2.2fcd	1.9fcd	1.7fcd	1.5fcd	1.3fcd	1.2fcd	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°
4073	4058	4010	3943	3849	3726	3580	3405	3225	3032	2812	2560	2308	2089	1894	1701	1463	1192	897	595
100%	100%	98%	97%	95%	91%	88%	84%	79%	74%	69%	63%	57%	51%	46%	42%	36%	29%	22%	15%

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°
4073	4055	4001	3930	3827	3697	3550	3364	3179	2990	2778	2537	2296	2088	1893	1706	1475	1204	904	591
100%	100%	98%	97%	94%	91%	87%	83%	78%	73%	68%	62%	56%	51%	46%	42%	36%	30%	22%	15%

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°
4073	4058	4010	3943	3849	3726	3580	3405	3225	3032	2812	2560	2308	2089	1894	1701	1463	1192	897	595
100%	100%	98%	97%	95%	91%	88%	84%	79%	74%	69%	63%	57%	51%	46%	42%	36%	29%	22%	15%

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°
4073	4055	4001	3930	3827	3697	3550	3364	3179	2990	2778	2537	2296	2088	1893	1706	1475	1204	904	591
100%	100%	98%	97%	94%	91%	87%	83%	78%	73%	68%	62%	56%	51%	46%	42%	36%	30%	22%	15%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
53.1°	78.6°	84.8°	98.5%	98.2%