

Light efficiency:

63 Lumen/Watt

Light quality:

CRI: 80.6

Color temperature:

2948 K

Output: 2589 lm

Peak: 3419 cd

Power: 40.9 W

PF: 0.99



Beam angle

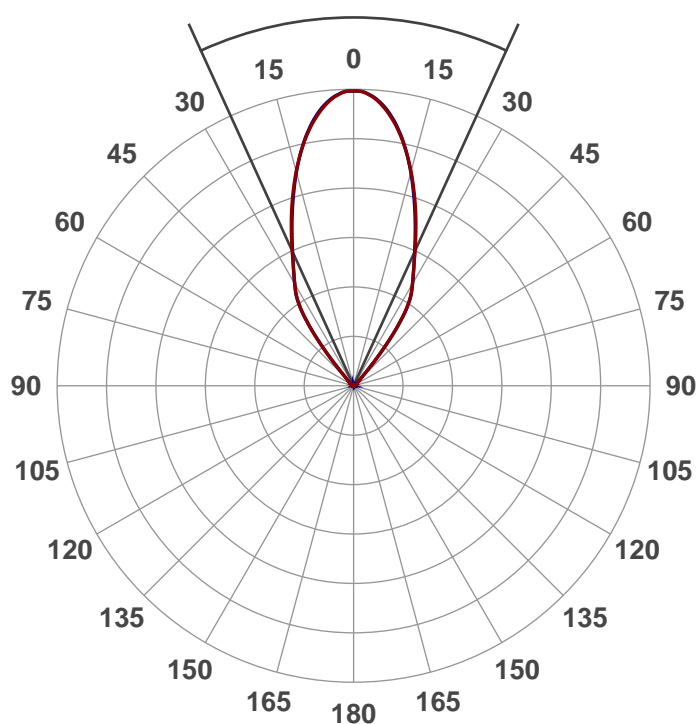
49°

Product name:

608-4-XTM19-38LM-30K-83-DA40-CRO

Date and time:

9/28/2016 4:11:47 PM

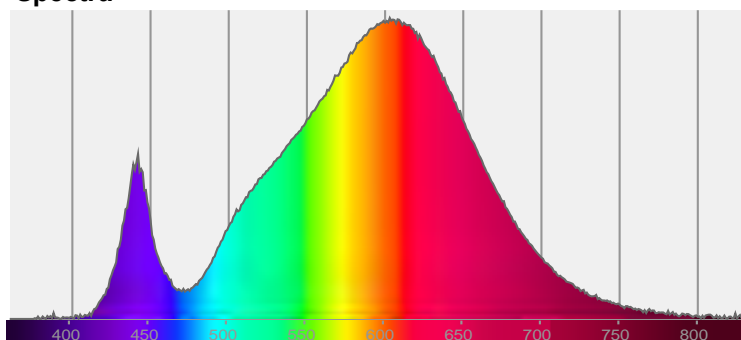


CIE 1931

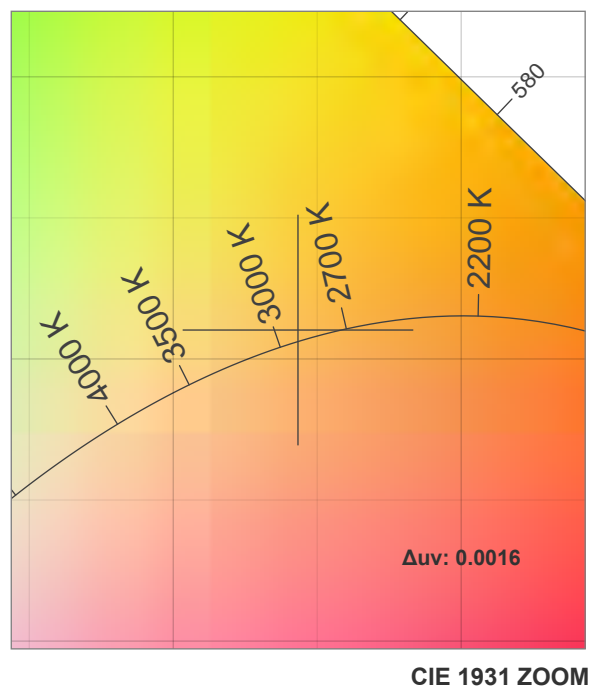
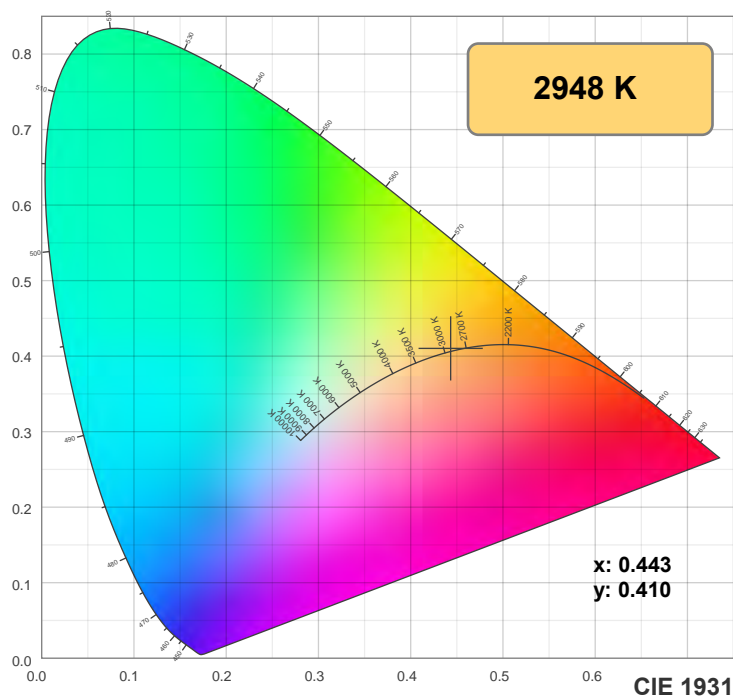
x: 0.443

y: 0.410

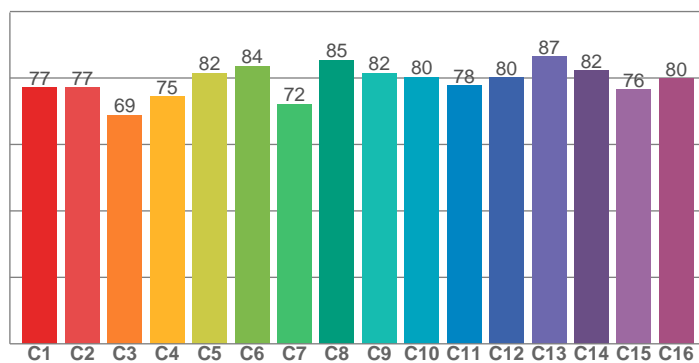
Spectra



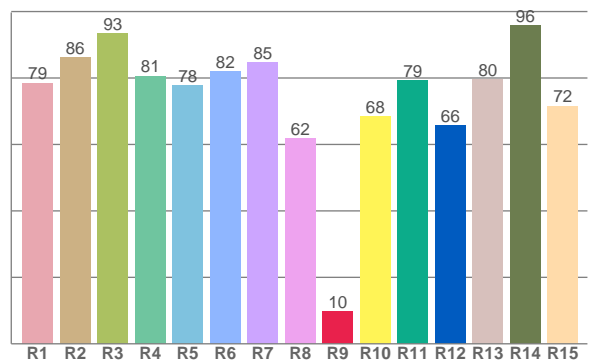
Color details



TM30: 78.8



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
78.5	86.1	93.5	80.7	77.9	81.9	84.7	61.8	9.8	68.5	79.4	65.8	79.6	96.0	71.6

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
77.1	77.1	68.9	74.5	81.5	83.6	72.2	85.5	81.5	80.3	77.8	80.1	86.5	82.3	76.5	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
2948 K	80.6	9.8	78.8	98.9	0.443	0.410	0.252	0.350	0.0016

TM30 details

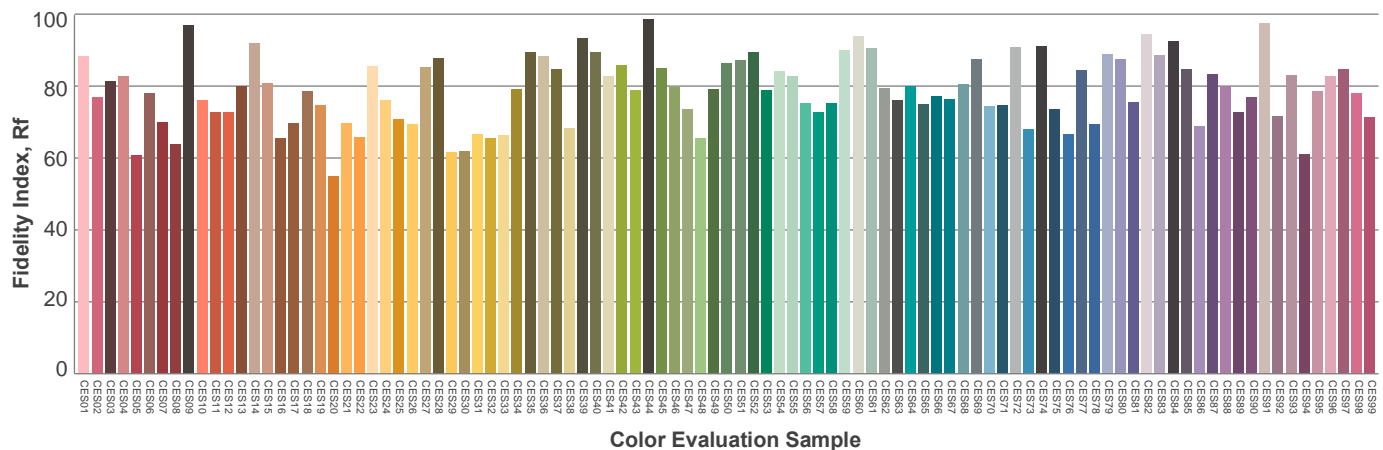
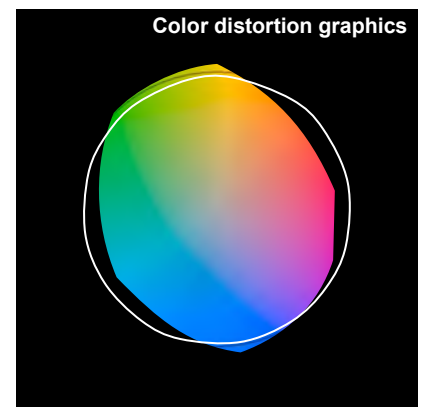
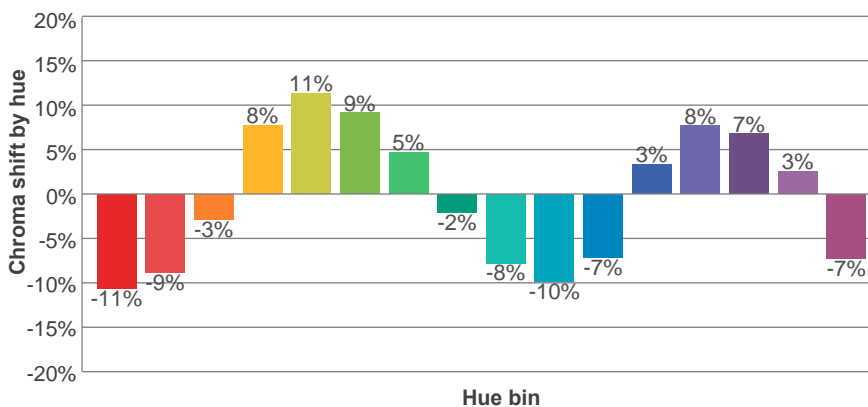
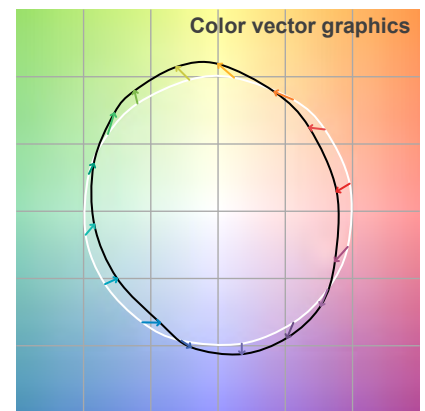
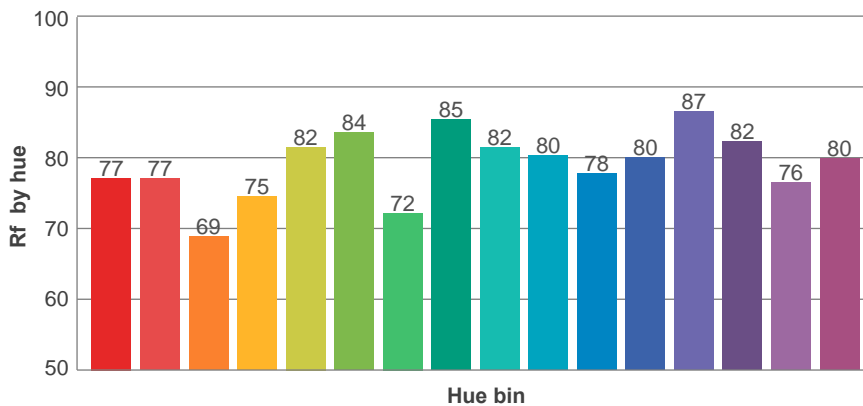
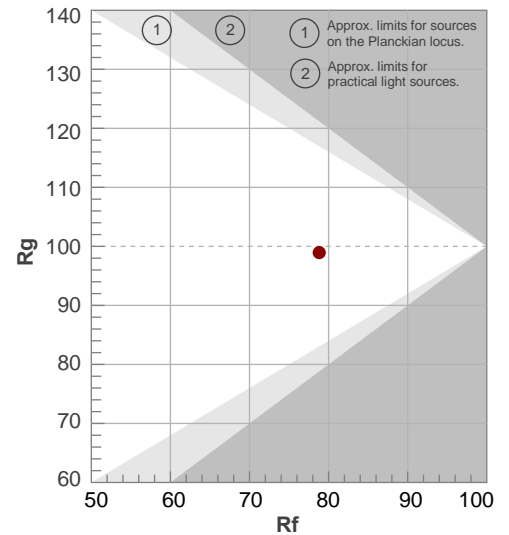
Rf 78.8

Fidelity index Rf

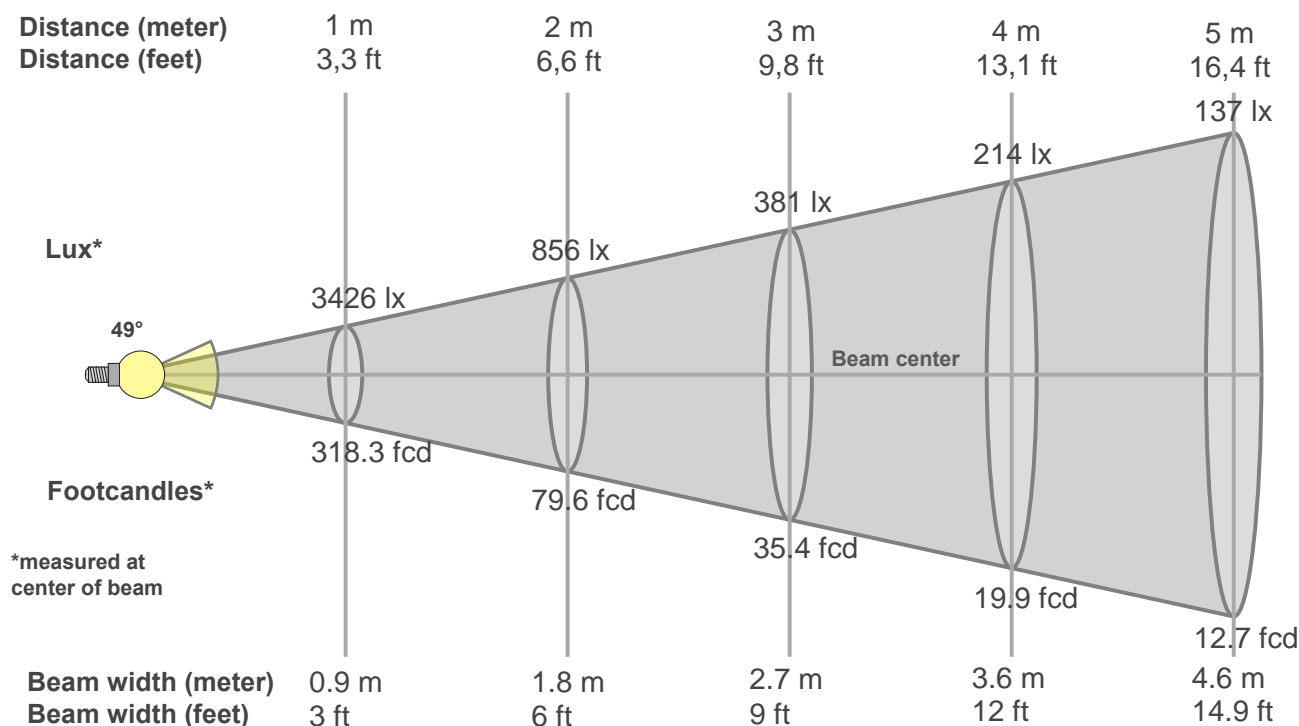
Rg 98.9

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	77	-11%	-4%
2	77	-9%	8%
3	69	-3%	15%
4	75	8%	14%
5	82	11%	8%
6	84	9%	-3%
7	72	5%	-15%
8	85	-2%	-8%
9	82	-8%	-6%
10	80	-10%	2%
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
3426lx	856lx	381lx	214lx	137lx	95lx	70lx	54lx	42lx	34lx	28lx	24lx	20lx	17lx	15lx	13lx	12lx	11lx	9lx	9lx
318.3fcd	79.6fcd	35.4fcd	19.9fcd	12.7fcd	8.8fcd	6.5fcd	5fcd	3.9fcd	3.2fcd	2.6fcd	2.2fcd	1.9fcd	1.6fcd	1.4fcd	1.2fcd	1.1fcd	1fcd	0.9fcd	0.8fcd

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°
3426	3406	3349	3258	3139	2999	2838	2663	2480	2293	2108	1928	1757	1604	1476	1364	1259	1121	921	674
100%	99%	98%	95%	92%	88%	83%	78%	72%	67%	62%	56%	51%	47%	43%	40%	37%	33%	27%	20%

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°
3426	3409	3357	3272	3155	3010	2843	2659	2466	2271	2085	1907	1744	1600	1477	1369	1266	1123	915	661
100%	100%	98%	96%	92%	88%	83%	78%	72%	66%	61%	56%	51%	47%	43%	40%	37%	33%	27%	19%

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°
3426	3406	3349	3258	3139	2999	2838	2663	2480	2293	2108	1928	1757	1604	1476	1364	1259	1121	921	674
100%	99%	98%	95%	92%	88%	83%	78%	72%	67%	62%	56%	51%	47%	43%	40%	37%	33%	27%	20%

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°
3426	3409	3357	3272	3155	3010	2843	2659	2466	2271	2085	1907	1744	1600	1477	1369	1266	1123	915	661
100%	100%	98%	96%	92%	88%	83%	78%	72%	66%	61%	56%	51%	47%	43%	40%	37%	33%	27%	19%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
49°	81.3°	95.9°	98.3%	95.3%