

Light efficiency:

68 Lumen/Watt

Light quality:

CRI: 80.9

Color temperature:

2960 K

Output: 2822 lm

Peak: 6410 cd

Power: 41.7 W

PF: 0.99



Beam angle

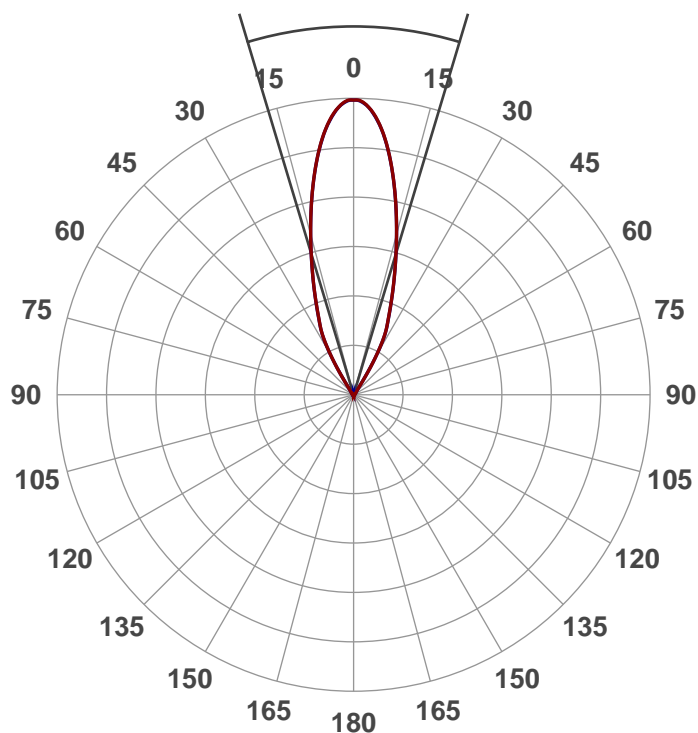
33.4°

Product name:

608-4-XTM19-38LM-30K-83-DA20-CRO

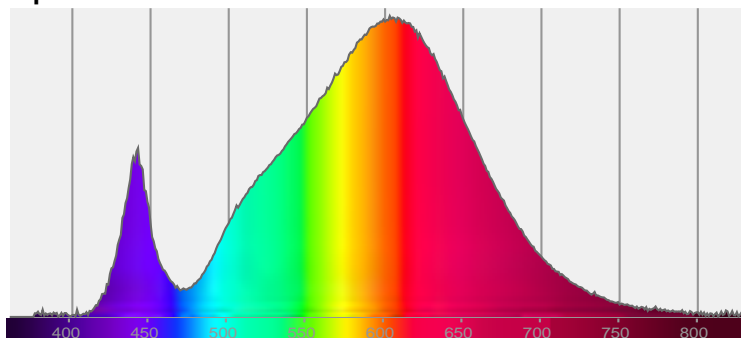
Date and time:

9/29/2016 1:23:38 PM

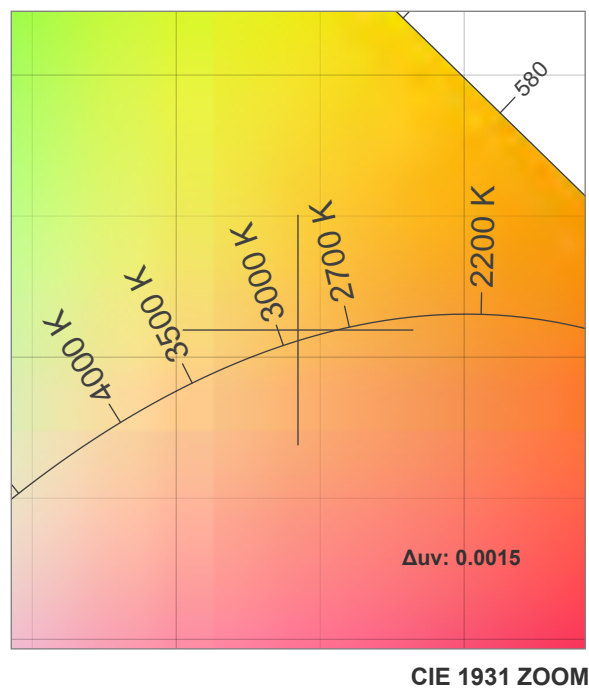
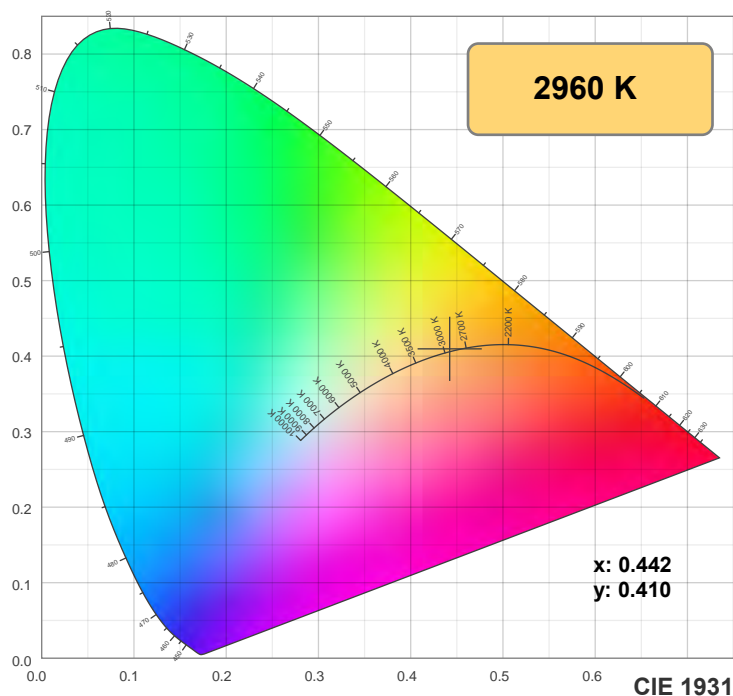


CIE 1931
x: 0.442
y: 0.410

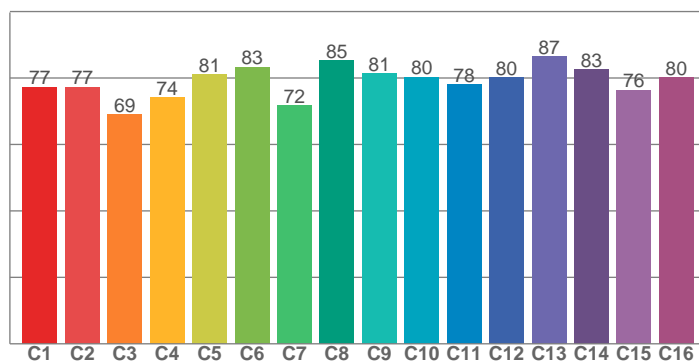
Spectra



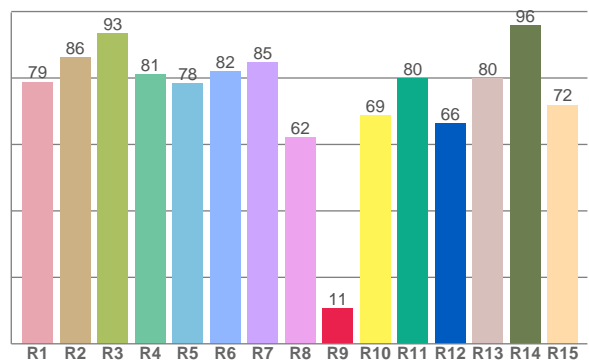
Color details



TM30: 78.8



CRI: 80.9 (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
78.9	86.2	93.4	81.0	78.3	82.1	84.7	62.2	10.6	68.7	80.0	66.3	79.8	95.9	71.9

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
77.3	77.3	69.0	74.1	81.1	83.3	71.7	85.3	81.3	80.4	78.1	80.1	86.5	82.6	76.4	80.1

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
2960 K	80.9	10.6	78.8	99.2	0.442	0.410	0.252	0.350	0.0015

TM30 details

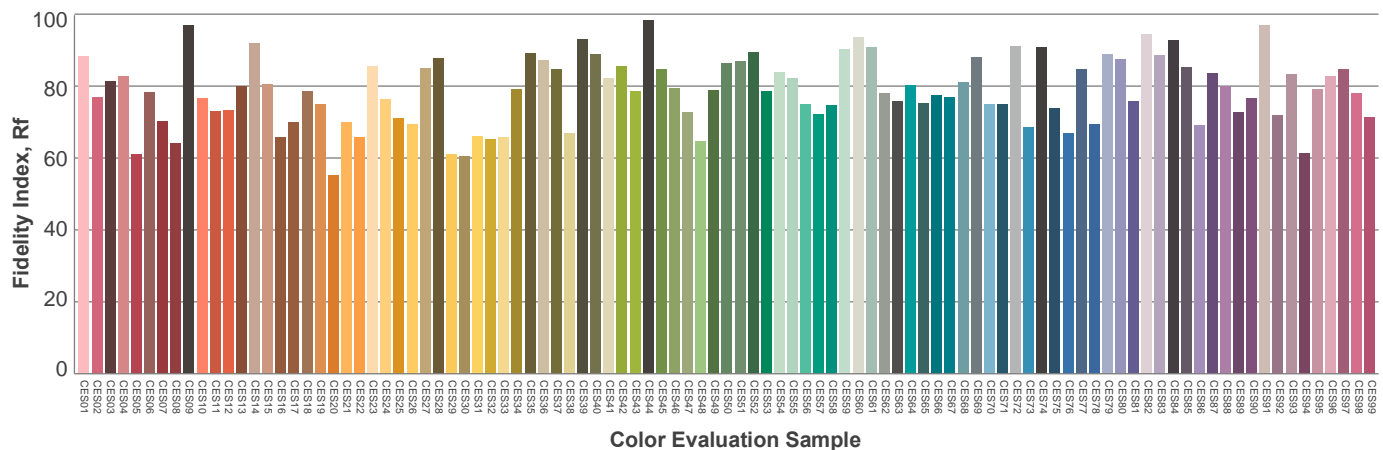
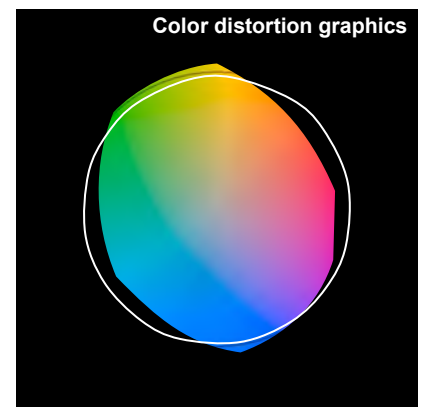
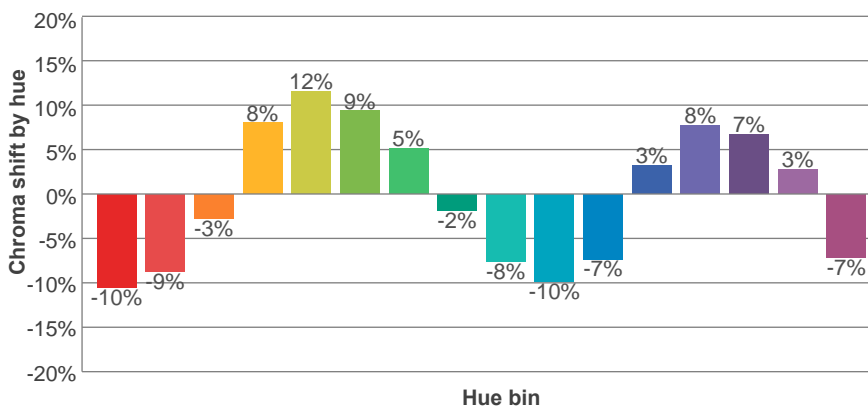
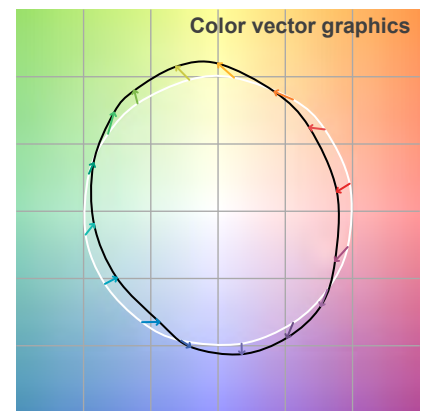
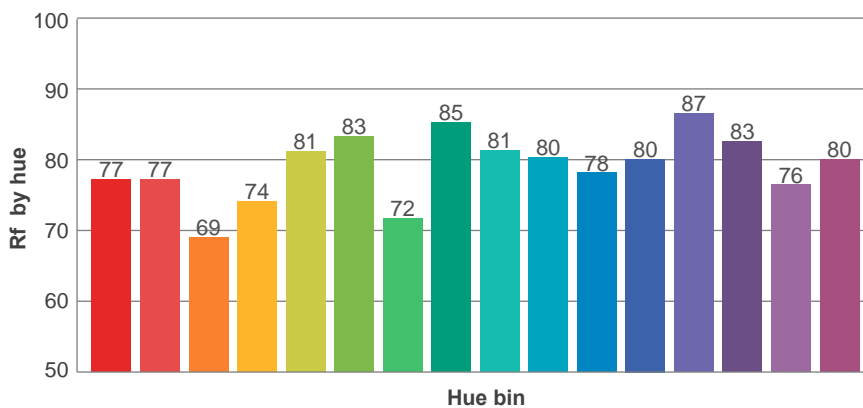
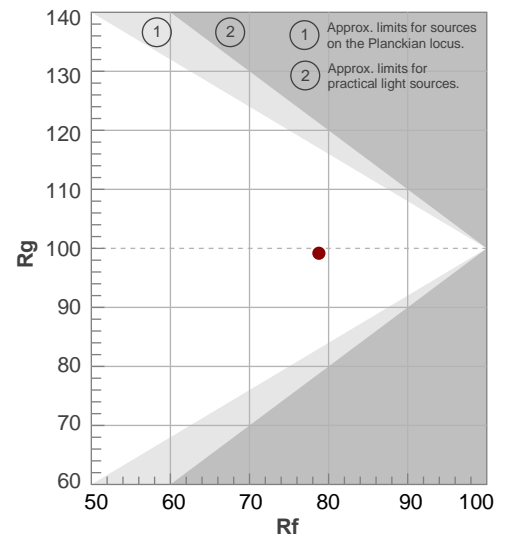
Rf 78.8

Fidelity index Rf

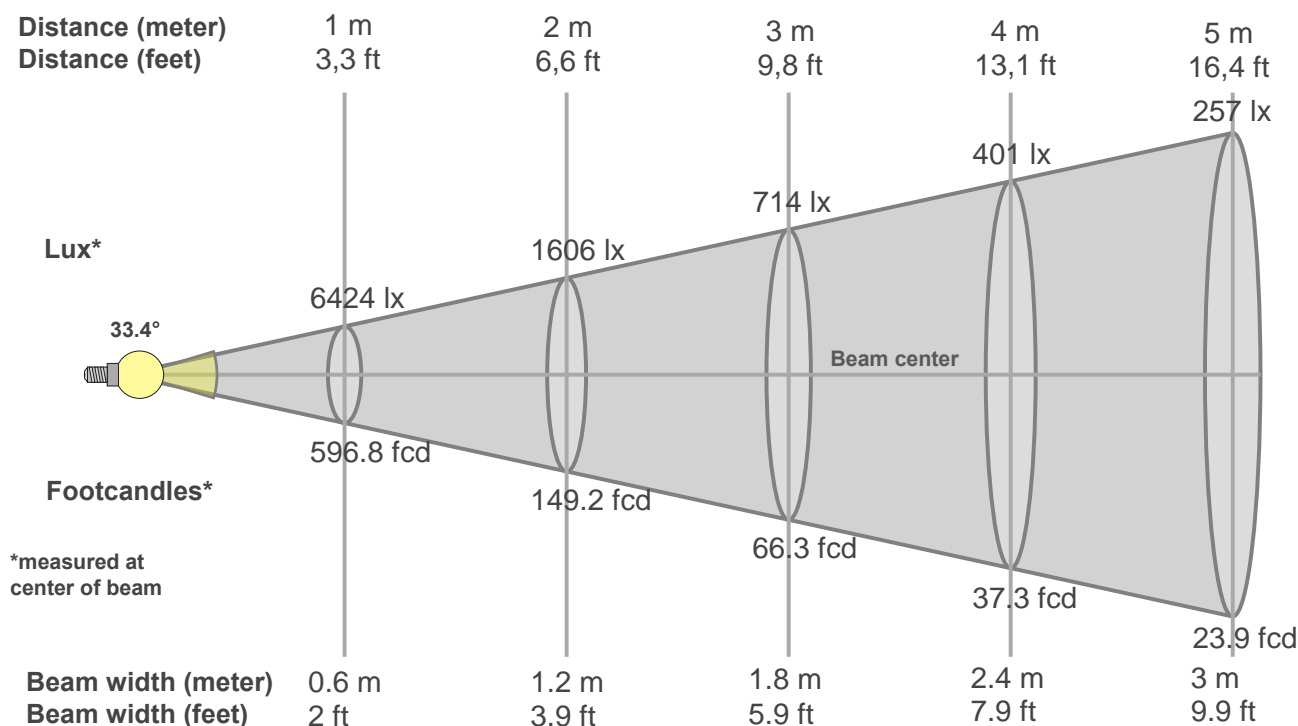
Rg 99.2

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	77	-10%	-4%
2	77	-9%	8%
3	69	-3%	15%
4	74	8%	14%
5	81	12%	8%
6	83	9%	-3%
7	72	5%	-16%
8	85	-2%	-8%
9	81	-8%	-7%
10	80	-10%	1%
11	78	-7%	11%
12	80	3%	8%
13	87	8%	-1%
14	83	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
6424lx	1606lx	714lx	401lx	257lx	178lx	131lx	100lx	79lx	64lx	53lx	45lx	38lx	33lx	29lx	25lx	22lx	20lx	18lx	16lx
596.8fcd	149.2fcd	66.3fcd	37.3fcd	23.9fcd	16.6fcd	12.2fcd	9.3fcd	7.4fcd	6fcd	4.9fcd	4.1fcd	3.5fcd	3fcd	2.7fcd	2.3fcd	2.1fcd	1.8fcd	1.7fcd	1.5fcd

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°
6424	6357	6145	5813	5386	4892	4374	3857	3371	2925	2533	2186	1887	1650	1376	999	610	313	181	135
100%	99%	96%	90%	84%	76%	68%	60%	52%	46%	39%	34%	29%	26%	21%	16%	9%	5%	3%	2%

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°
6424	6347	6133	5809	5379	4888	4371	3858	3372	2930	2540	2193	1899	1658	1391	1009	606	302	182	137
100%	99%	95%	90%	84%	76%	68%	60%	52%	46%	40%	34%	30%	26%	22%	16%	9%	5%	3%	2%

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°
6424	6357	6145	5813	5386	4892	4374	3857	3371	2925	2533	2186	1887	1650	1376	999	610	313	181	135
100%	99%	96%	90%	84%	76%	68%	60%	52%	46%	39%	34%	29%	26%	21%	16%	9%	5%	3%	2%

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°
6424	6347	6133	5809	5379	4888	4371	3858	3372	2930	2540	2193	1899	1658	1391	1009	606	302	182	137
100%	99%	95%	90%	84%	76%	68%	60%	52%	46%	40%	34%	30%	26%	22%	16%	9%	5%	3%	2%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33.4°	63.7°	73.7°	94.2%	91.5%