

Light efficiency:

68 Lumen/Watt

Light quality:

CRI: 82.5

Color temperature:

2933 K

Output: 1311 lm

Peak: 6716 cd

Power: 19.4 W

PF: 0.99



Beam angle

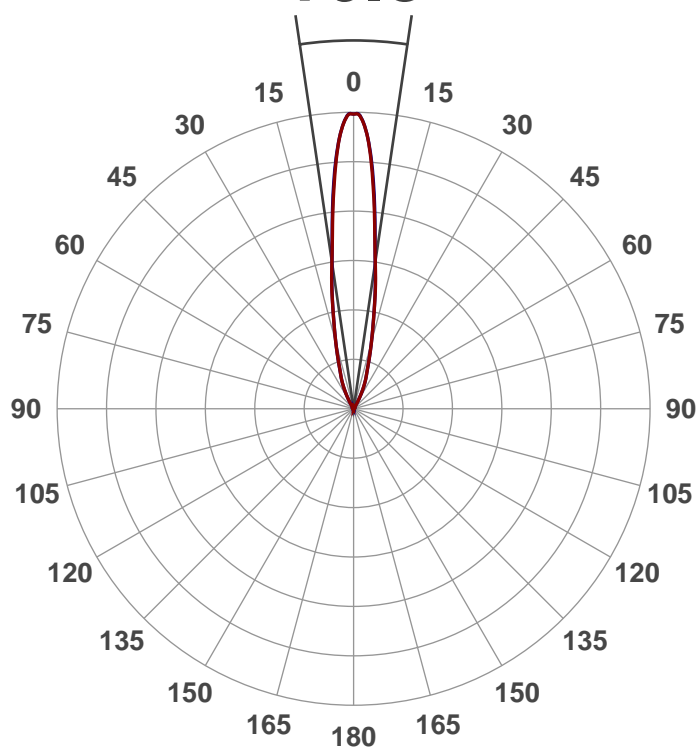
16.8°

Product name:

608-3-XTM19-20LM-30K-83-SA20-CRO

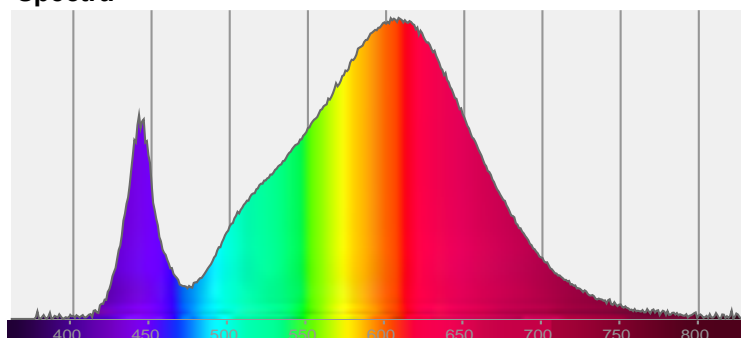
Date and time:

9/29/2016 2:42:06 PM

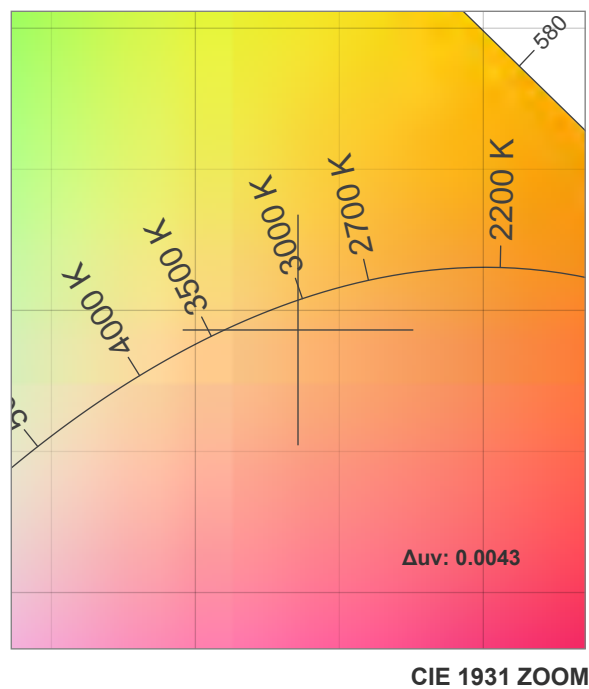
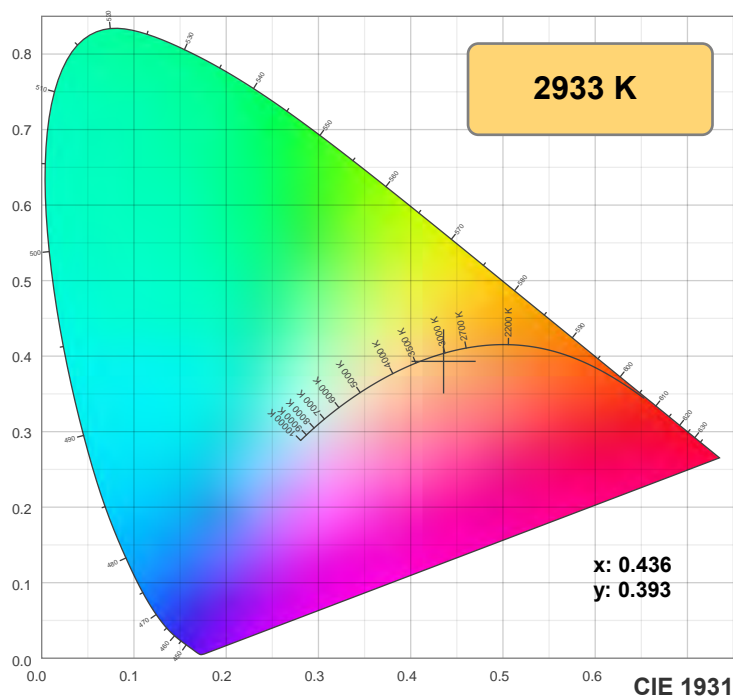


CIE 1931
x: 0.436
y: 0.393

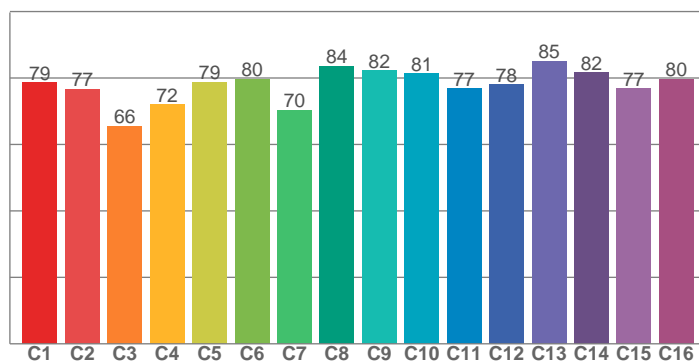
Spectra



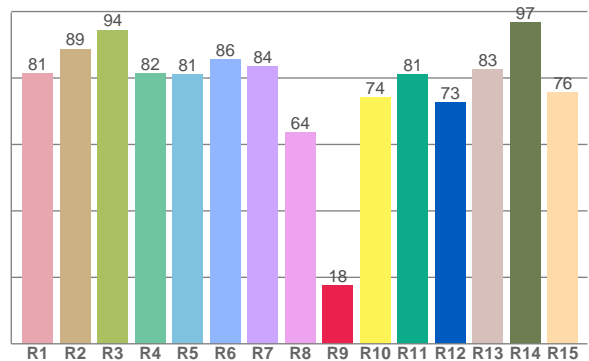
Color details



TM30: 77.8



CRI: 82.5 (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
81.4	88.8	94.5	81.5	81.1	85.5	83.5	63.7	17.6	74.2	81.0	72.8	82.7	96.6	75.7

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
78.7	76.7	65.6	71.9	78.8	79.7	70.4	83.6	82.3	81.3	76.8	78.1	85.1	81.6	76.8	79.7

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
2933 K	82.5	17.6	77.8	101.7	0.436	0.393	0.255	0.345	0.0043

TM30 details

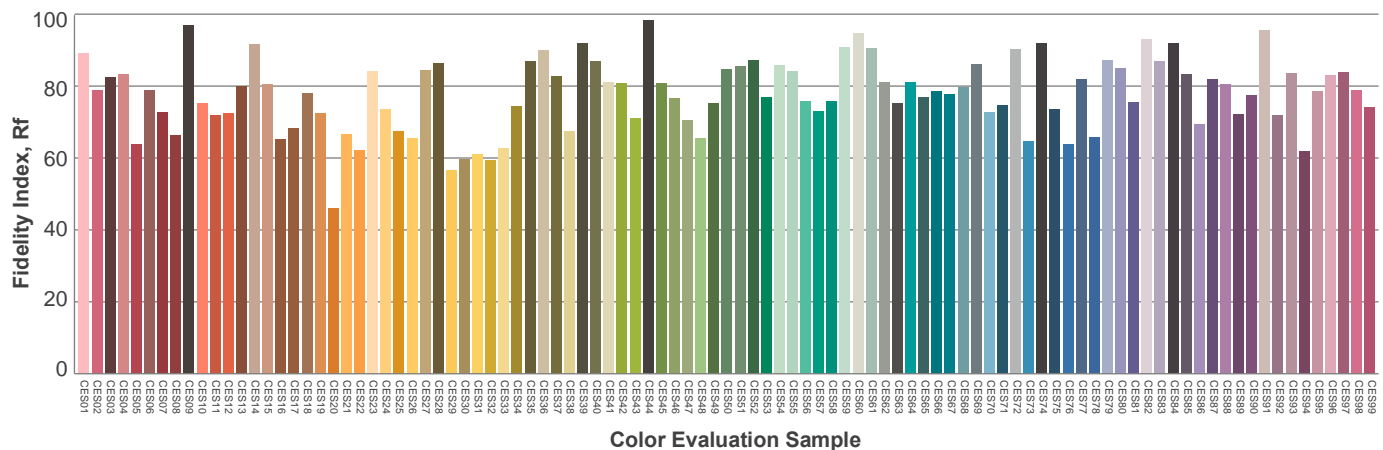
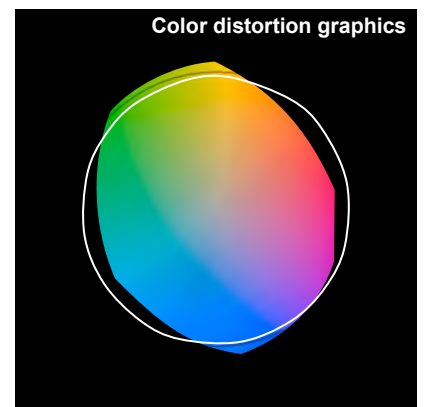
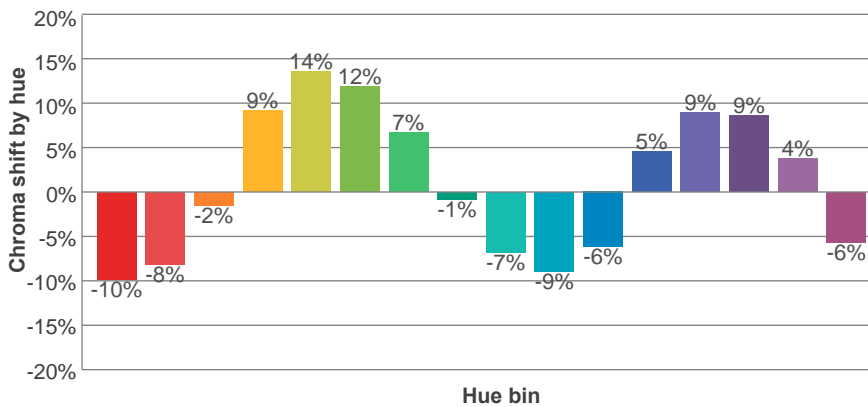
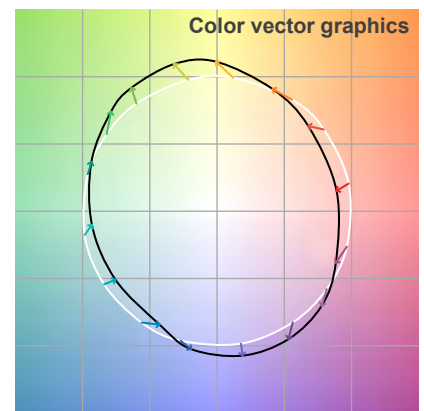
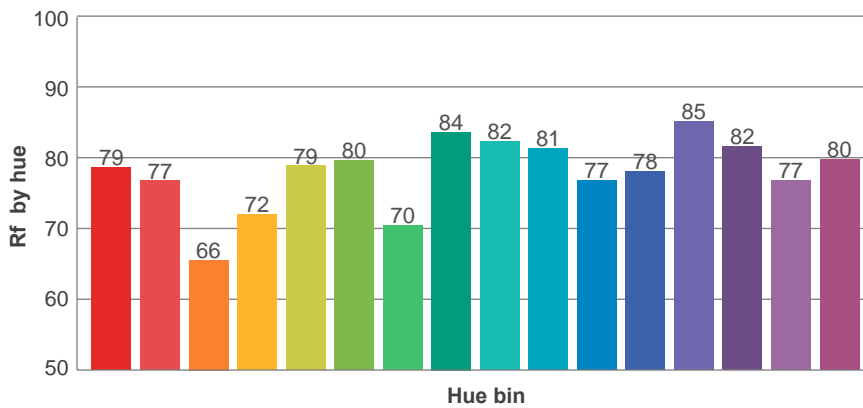
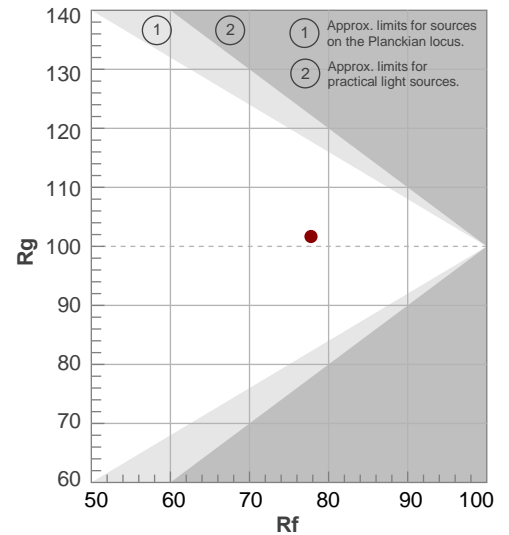
Rf 77.8

Fidelity index Rf

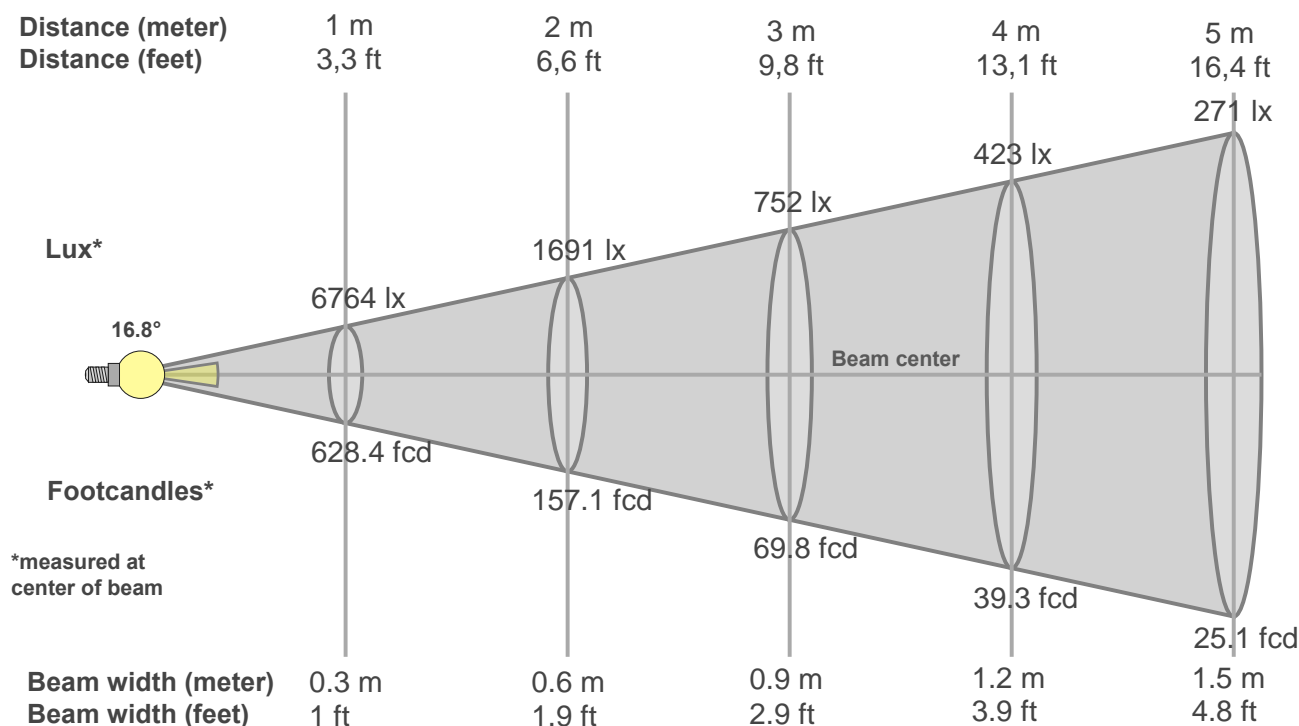
Rg 101.7

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	79	-10%	-4%
2	77	-8%	9%
3	66	-2%	16%
4	72	9%	15%
5	79	14%	8%
6	80	12%	-3%
7	70	7%	-16%
8	84	-1%	-9%
9	82	-7%	-6%
10	81	-9%	2%
11	77	-6%	12%
12	78	5%	9%
13	85	9%	-1%
14	82	9%	-10%
15	77	4%	-12%
16	80	-6%	-13%



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
6764lx	1691lx	752lx	423lx	271lx	188lx	138lx	106lx	84lx	68lx	56lx	47lx	40lx	35lx	30lx	26lx	23lx	21lx	19lx	17lx
628.4fcd	157.1fcd	69.8fcd	39.3fcd	25.1fcd	17.5fcd	12.8fcd	9.8fcd	7.8fcd	6.3fcd	5.2fcd	4.4fcd	3.7fcd	3.2fcd	2.8fcd	2.5fcd	2.2fcd	1.9fcd	1.7fcd	1.6fcd

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°
6764	6502	5678	4523	3523	2872	2238	1764	1395	1099	884	742	591	438	301	184	99	66	59	54
100%	96%	84%	67%	52%	42%	33%	26%	21%	16%	13%	11%	9%	6%	4%	3%	1%	1%	1%	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°
6764	6510	5722	4592	3517	2846	2229	1758	1396	1103	888	744	599	446	301	177	93	63	57	53
100%	96%	85%	68%	52%	42%	33%	26%	21%	16%	13%	11%	9%	7%	4%	3%	1%	1%	1%	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°
6764	6502	5678	4523	3523	2872	2238	1764	1395	1099	884	742	591	438	301	184	99	66	59	54
100%	96%	84%	67%	52%	42%	33%	26%	21%	16%	13%	11%	9%	6%	4%	3%	1%	1%	1%	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°
6764	6510	5722	4592	3517	2846	2229	1758	1396	1103	888	744	599	446	301	177	93	63	57	53
100%	96%	85%	68%	52%	42%	33%	26%	21%	16%	13%	11%	9%	7%	4%	3%	1%	1%	1%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
16.8°	45.8°	60.5°	91.5%	87.4%