

Light efficiency:

74 Lumen/Watt

Light quality:

CRI: 80.6

Color temperature:

2941 K

Output: 3042 lm

Peak: 6476 cd

Power: 41.1 W

PF: 0.99



Beam angle

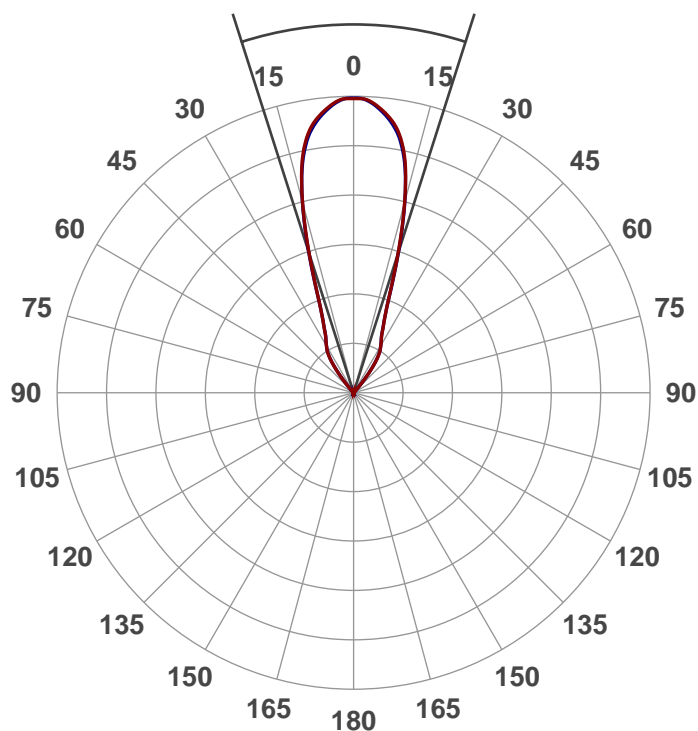
35.4°

Product name:

608-4-XTM19-38LM-30K-83-SA40-CLR

Date and time:

9/28/2016 3:33:45 PM

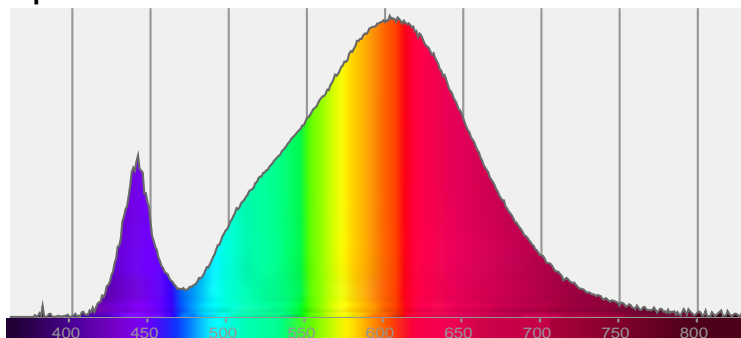


CIE 1931

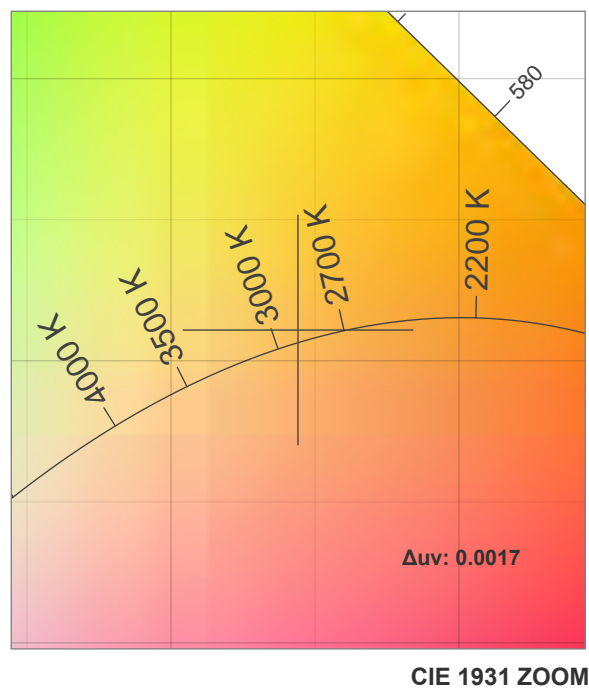
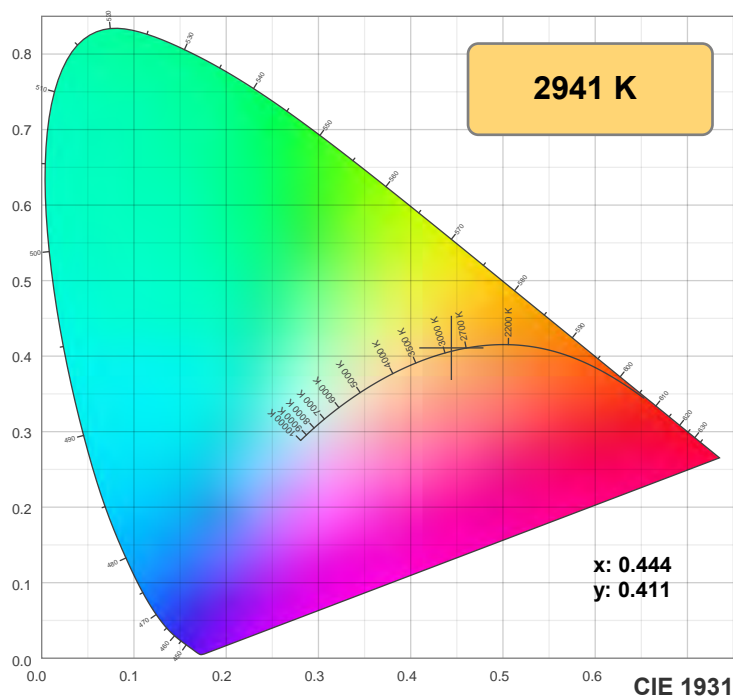
x: 0.444

y: 0.411

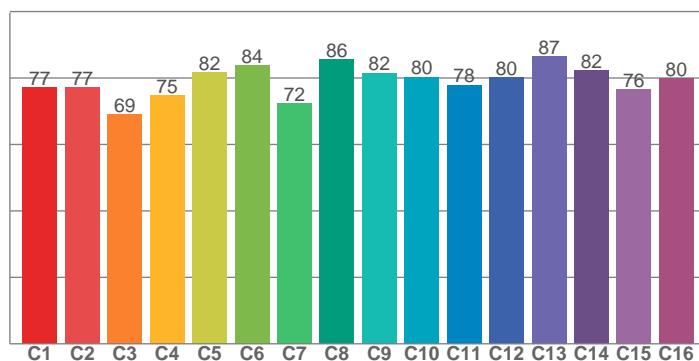
Spectra



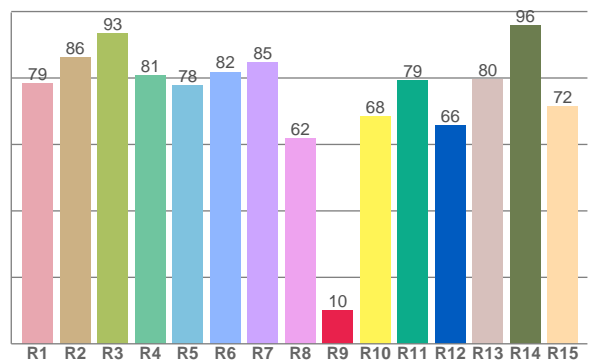
Color details



TM30: 78.9



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	61.9	9.9	68.4	79.4	65.7	79.5	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	69.1	74.7	81.6	83.7	72.3	85.5	81.5	80.3	77.9	80.2	86.6	82.4	76.5	79.9

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
2941 K	80.6	9.9	78.9	98.9	0.444	0.411	0.252	0.350	0.0017

TM30 details

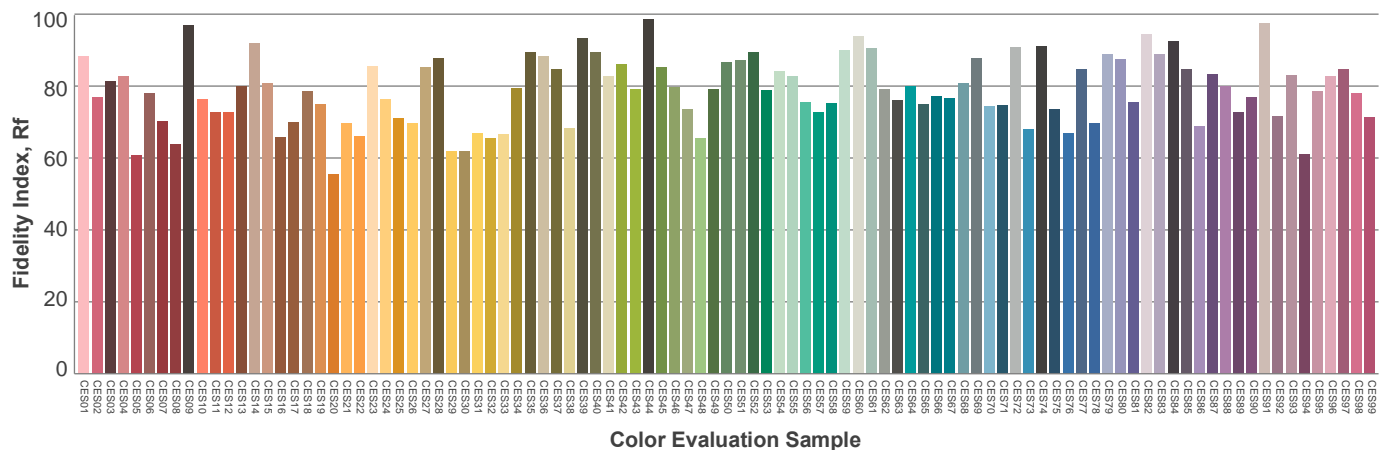
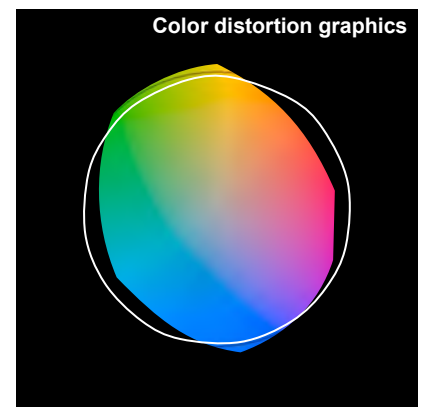
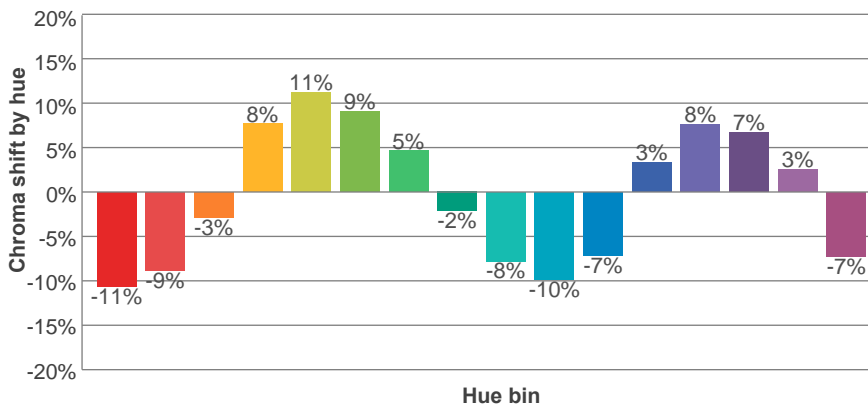
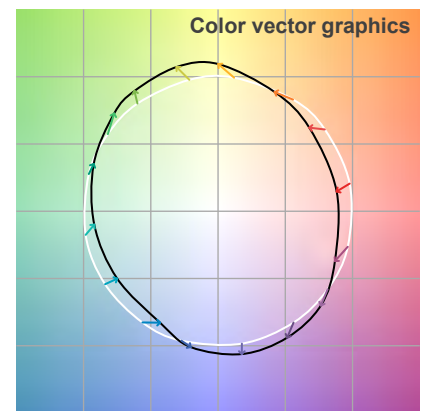
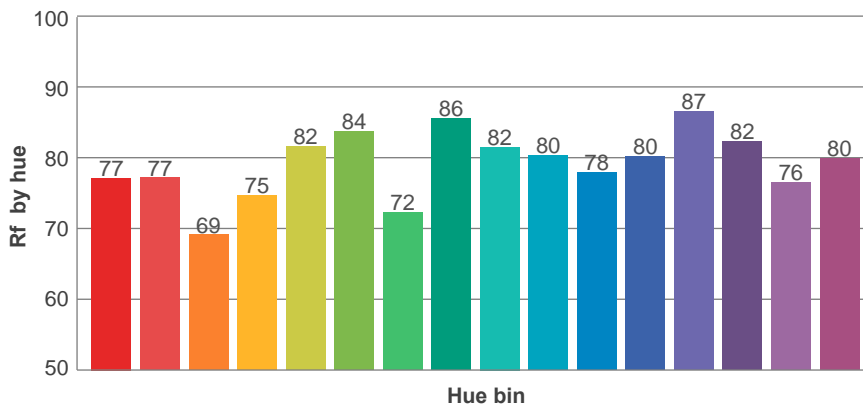
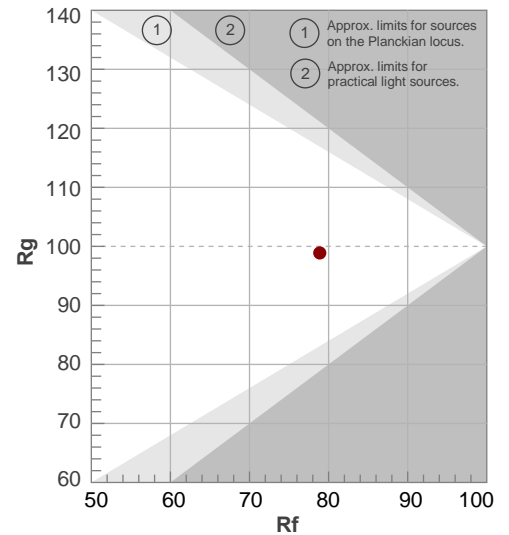
Rf 78.9

Fidelity index Rf

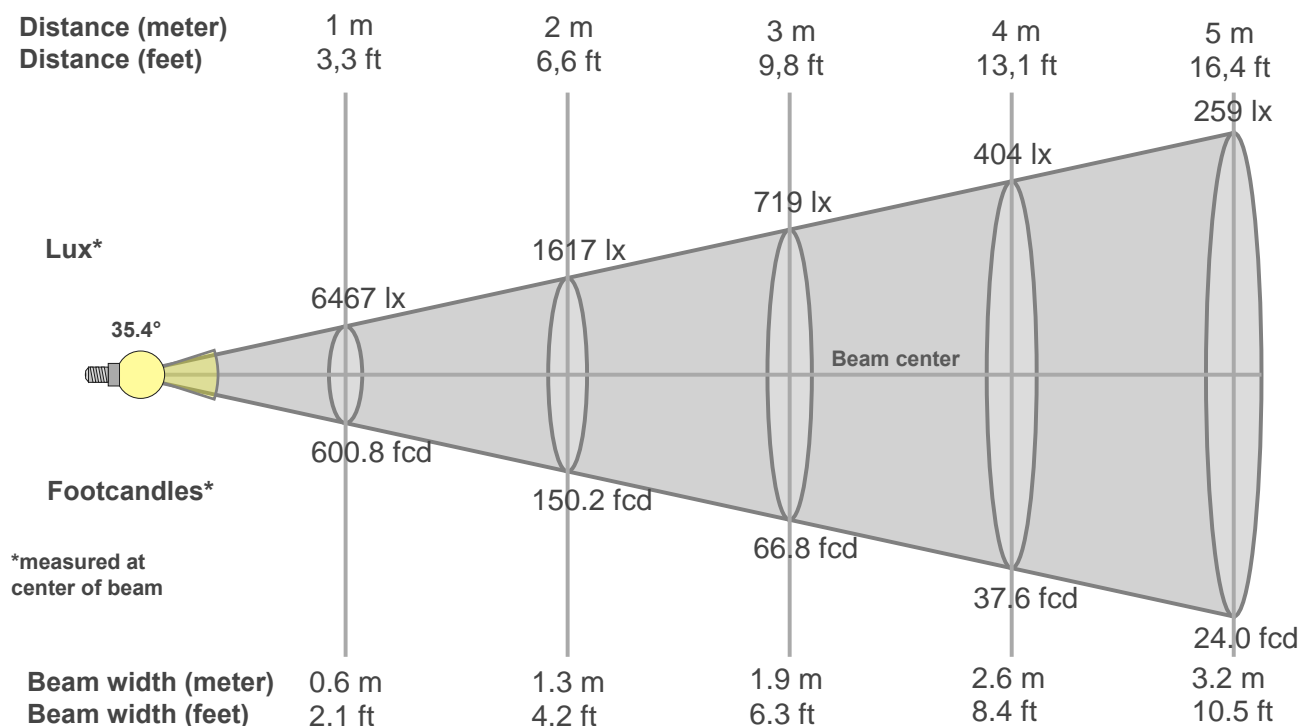
Rg 98.9

Gammut 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	86	-2%	-8%
9	82	-8%	-6%
10	80	-10%	2%
11	78	-7%	11%
12	80	3%	8%
13	87	8%	-2%
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
6467lx	1617lx	719lx	404lx	259lx	180lx	132lx	101lx	80lx	65lx	53lx	45lx	38lx	33lx	29lx	25lx	22lx	20lx	18lx	16lx
600.8fcd	150.2fcd	66.8fcd	37.6fcd	24fcd	16.7fcd	12.3fcd	9.4fcd	7.4fcd	6fcd	5fcd	4.2fcd	3.6fcd	3.1fcd	2.7fcd	2.3fcd	2.1fcd	1.9fcd	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°
6467	6465	6377	6229	6045	5776	5358	4721	3927	3089	2345	1875	1612	1412	1294	1195	1099	961	759	509
100%	100%	99%	96%	93%	89%	83%	73%	61%	48%	36%	29%	25%	22%	20%	18%	17%	15%	12%	8%

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°
6467	6444	6339	6178	5978	5709	5295	4698	3948	3117	2363	1871	1600	1401	1290	1189	1095	951	748	495
100%	100%	98%	96%	92%	88%	82%	73%	61%	48%	37%	29%	25%	22%	20%	18%	17%	15%	12%	8%

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°
6467	6465	6377	6229	6045	5776	5358	4721	3927	3089	2345	1875	1612	1412	1294	1195	1099	961	759	509
100%	100%	99%	96%	93%	89%	83%	73%	61%	48%	36%	29%	25%	22%	20%	18%	17%	15%	12%	8%

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°
6467	6444	6339	6178	5978	5709	5295	4698	3948	3117	2363	1871	1600	1401	1290	1189	1095	951	748	495
100%	100%	98%	96%	92%	88%	82%	73%	61%	48%	37%	29%	25%	22%	20%	18%	17%	15%	12%	8%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
35.4°	73.8°	82°	98.5%	97.9%