

Light efficiency:

71 Lumen/Watt

Light quality:

CRI: 80.6

Color temperature:

2941 K

Output: 2915 lm

Peak: 6205 cd

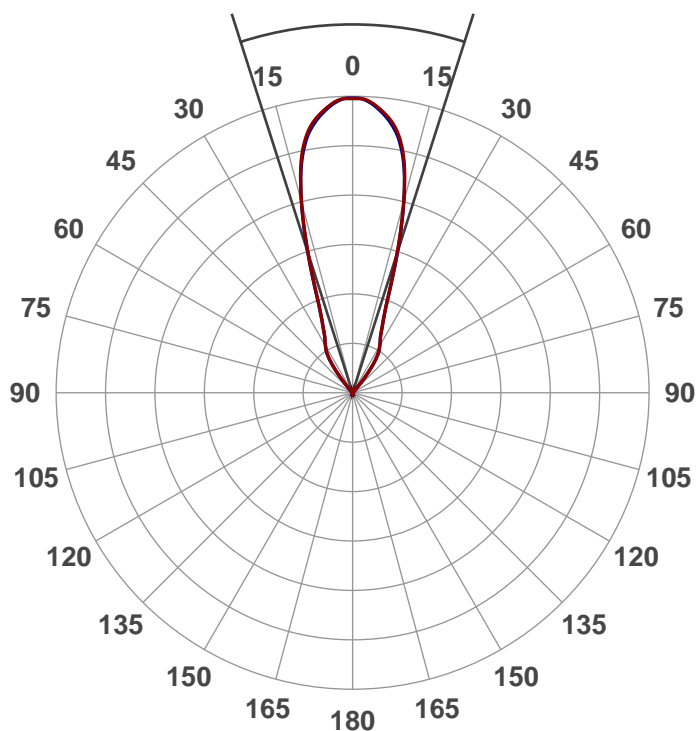
Power: 41.1 W

PF: 0.99



Beam angle

35.4°



Product name:

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

Date and time:

9/28/2016 3:33:45 PM

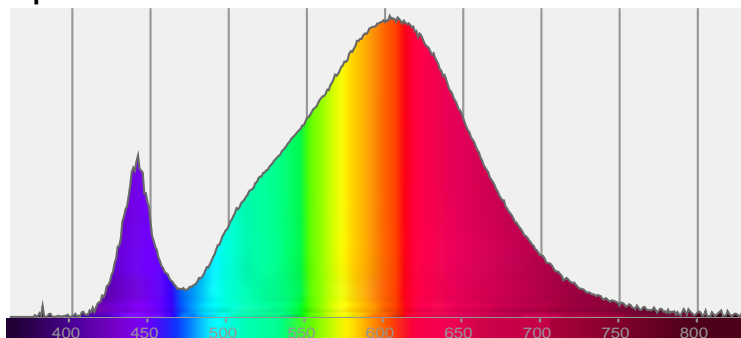


CIE 1931

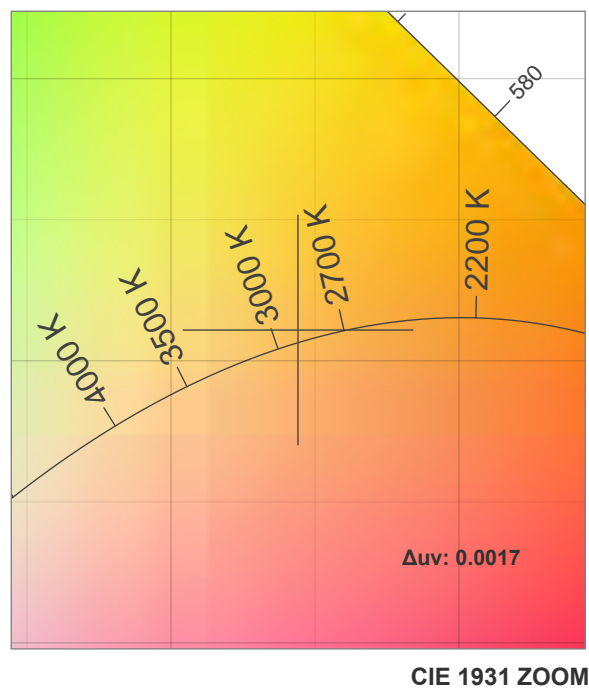
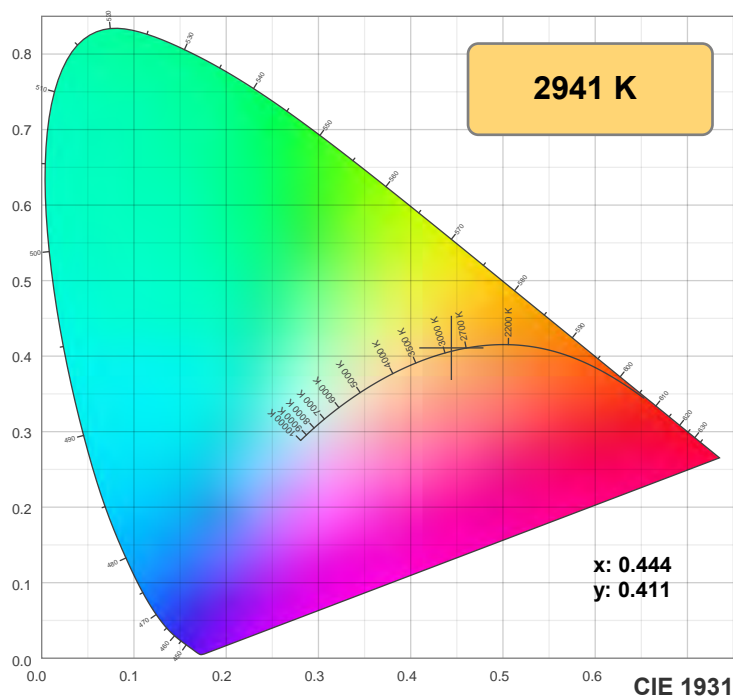
x: 0.444

y: 0.411

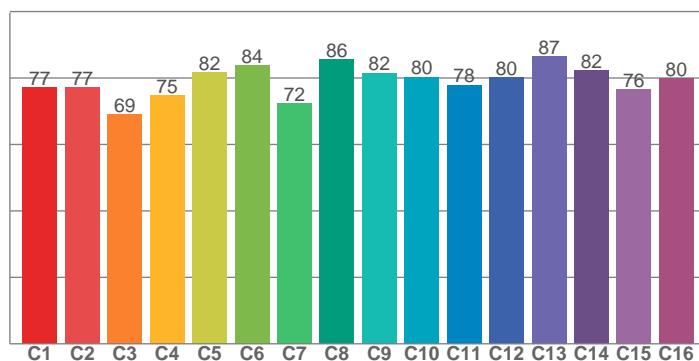
Spectra



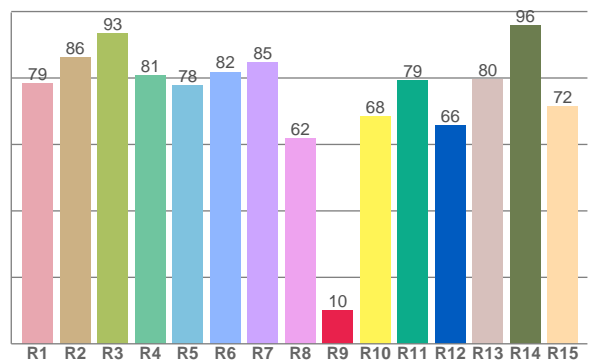
## Color details



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

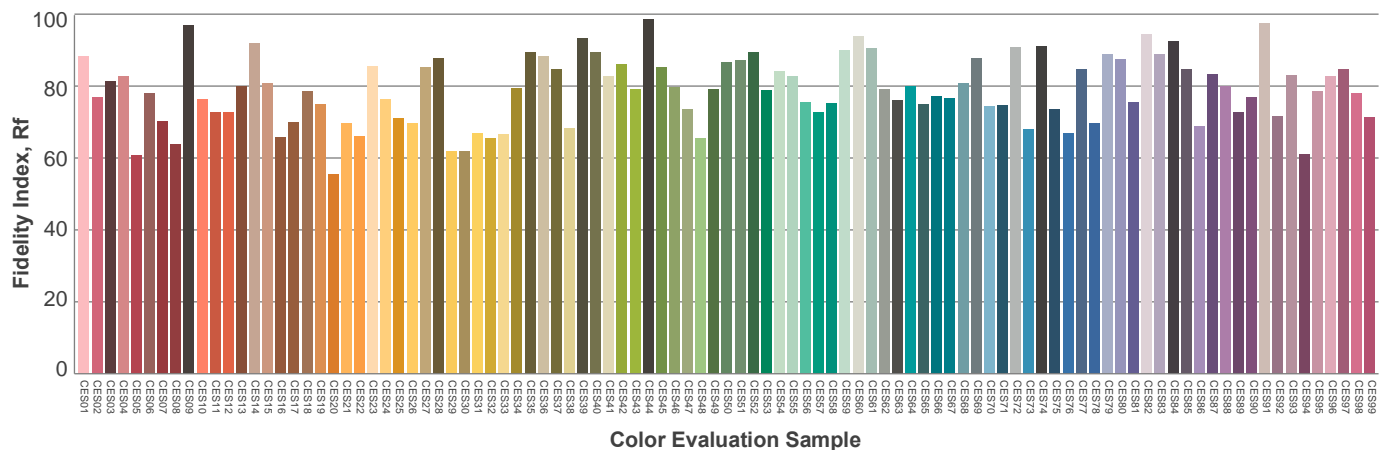
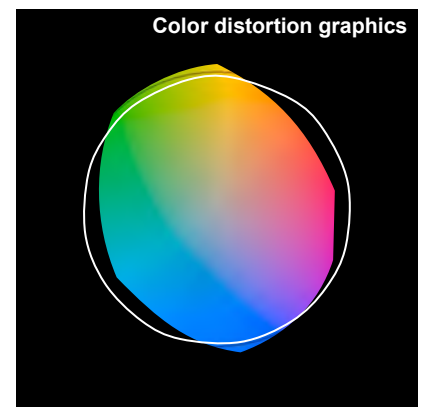
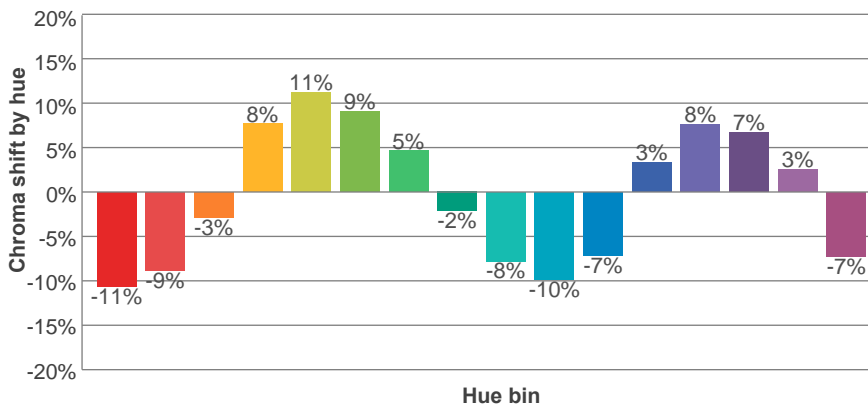
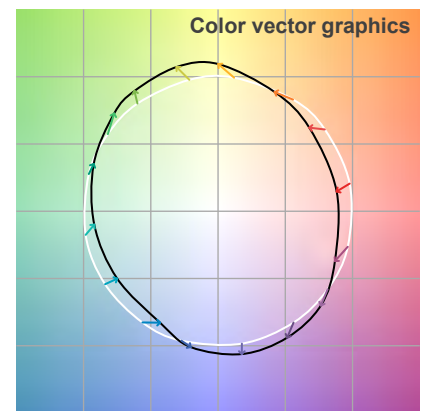
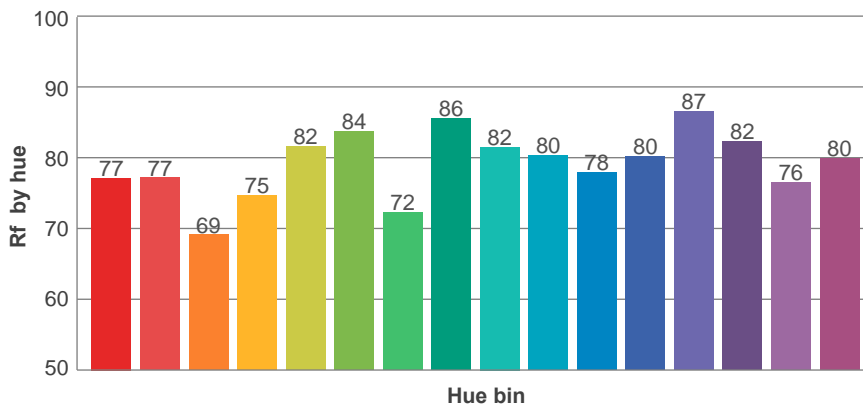
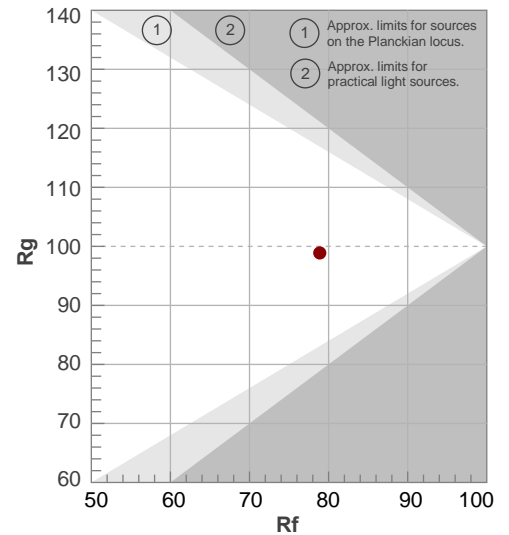
**Rf 78.9**

Fidelity index Rf

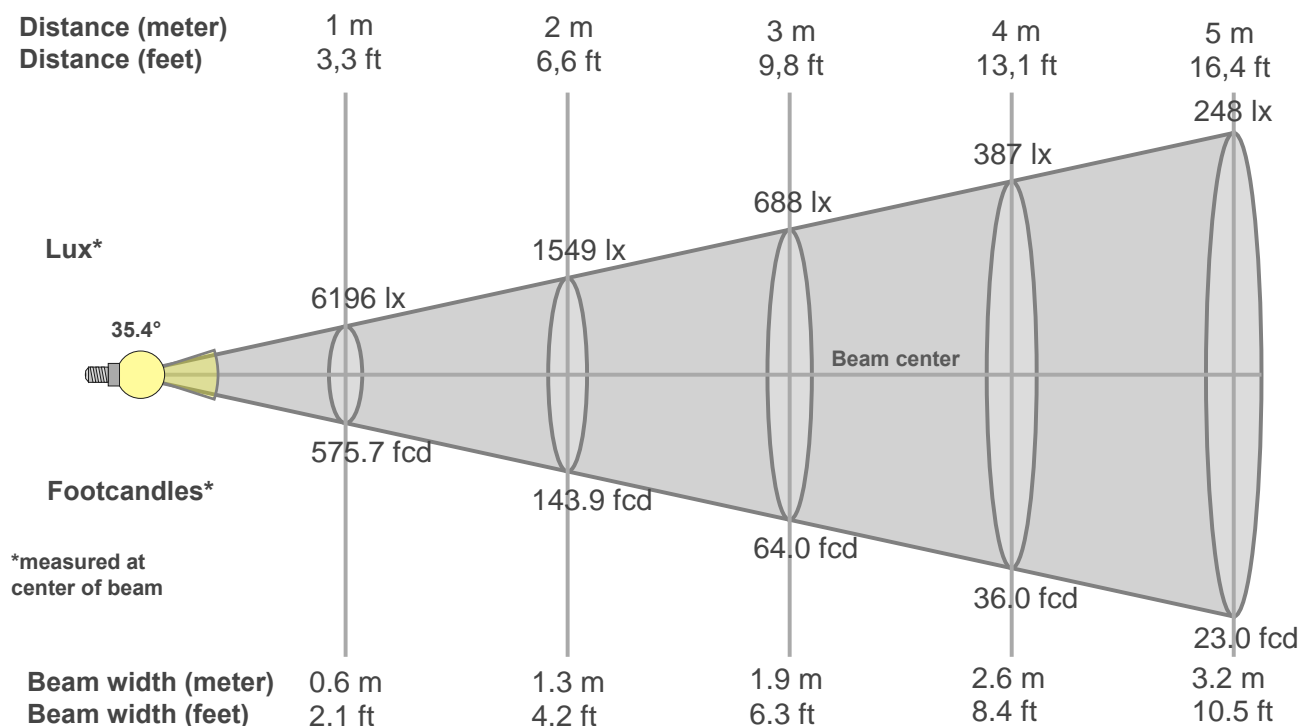
**Rg 98.9**

Gammut index Rg

Hue Bin	R <sub>f</sub>	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
6196lx	1549lx	688lx	387lx	248lx	172lx	126lx	97lx	76lx	62lx	51lx	43lx	37lx	32lx	28lx	24lx	21lx	19lx	17lx	15lx
575.7fcd	143.9fcd	64fcd	36fcd	23fcd	16fcd	11.7fcd	9fcd	7.1fcd	5.8fcd	4.8fcd	4fcd	3.4fcd	2.9fcd	2.6fcd	2.2fcd	2fcd	1.8fcd	1.6fcd	1.4fcd

### 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°
6196	6194	6110	5968	5792	5534	5134	4524	3762	2960	2247	1796	1545	1353	1240	1145	1053	921	727	488
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°
6196	6174	6073	5919	5727	5470	5074	4502	3783	2987	2265	1792	1533	1342	1236	1140	1050	911	717	474
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°
6196	6194	6110	5968	5792	5534	5134	4524	3762	2960	2247	1796	1545	1353	1240	1145	1053	921	727	488
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°
6196	6174	6073	5919	5727	5470	5074	4502	3783	2987	2265	1792	1533	1342	1236	1140	1050	911	717	474
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%