

Light efficiency:

68 Lumen/Watt

Light quality:

CRI: 80.6

Color temperature:

2944 K

Output: 2779 lm

Peak: 6197 cd

Power: 40.7 W

PF: 0.99



Beam angle

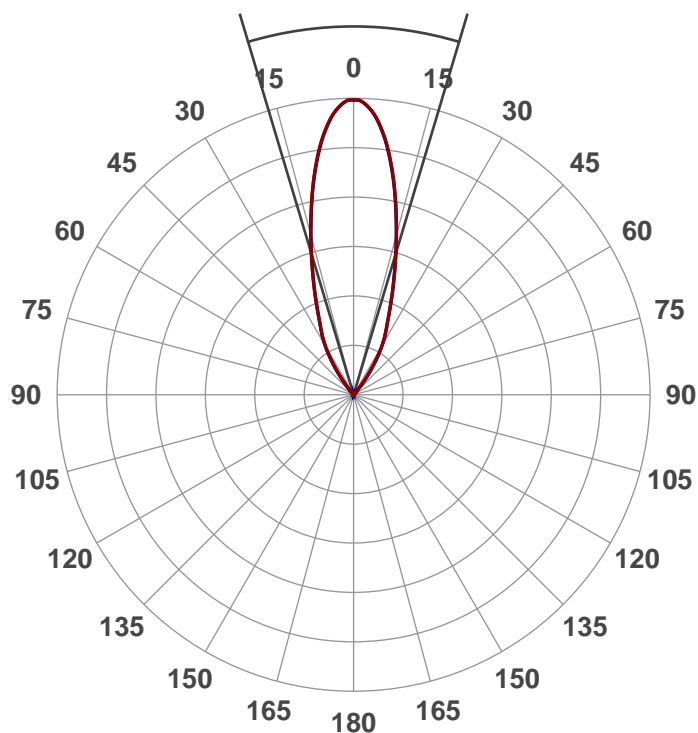
33.3°

Product name:

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

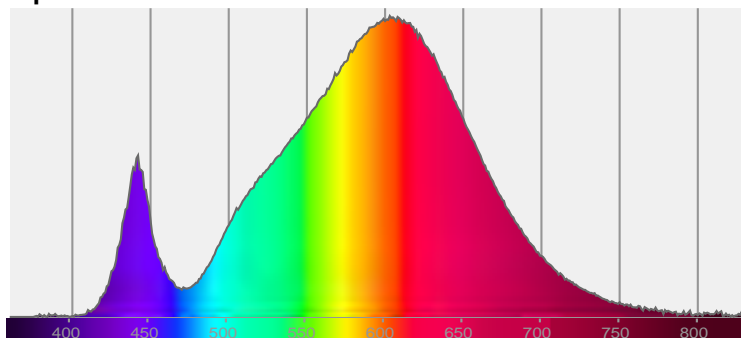
Date and time:

9/28/2016 4:20:22 PM

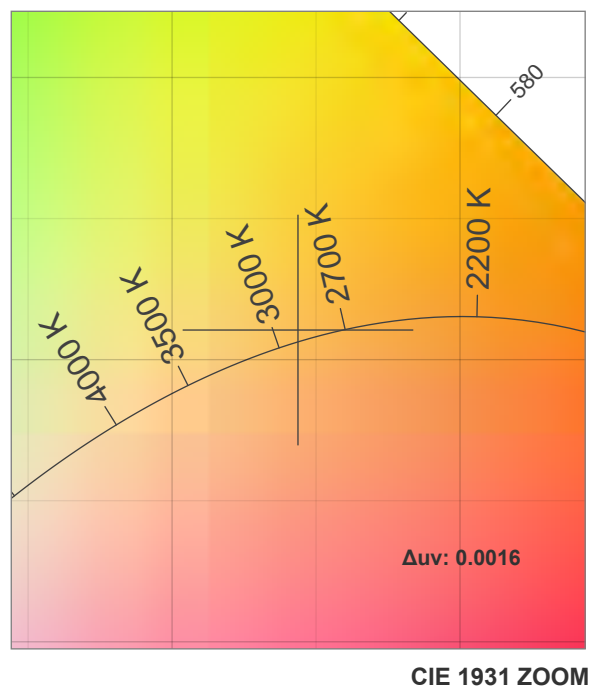
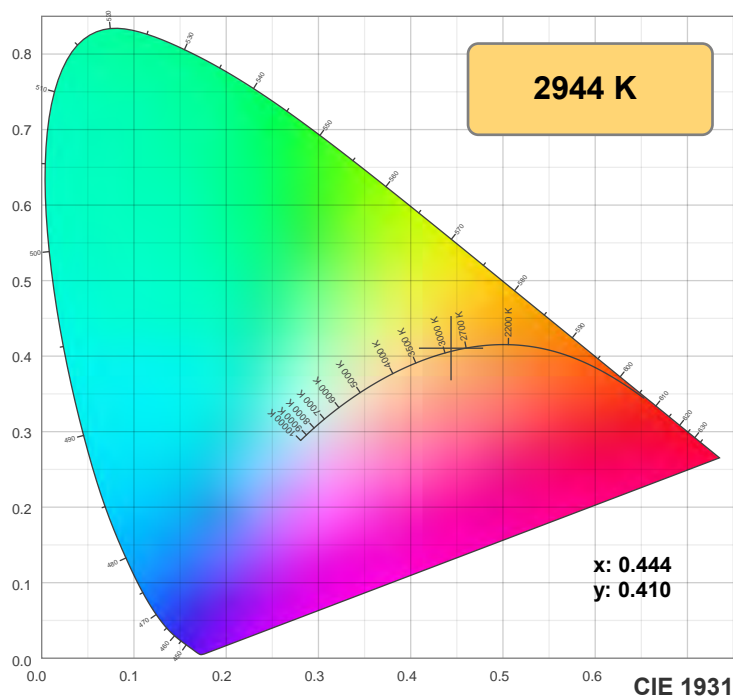


CIE 1931  
x: 0.444  
y: 0.410

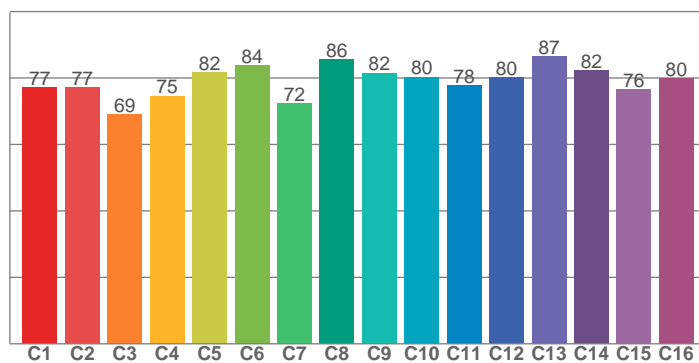
Spectra



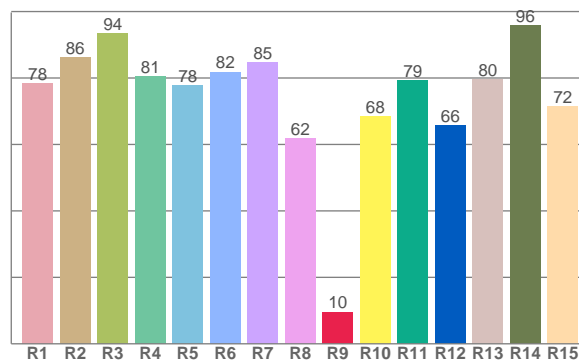
## Color details



**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	80.6	77.9	81.9	84.7	61.7	9.6	68.4	79.3	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	68.9	74.6	81.6	83.7	72.3	85.5	81.6	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
2944 K	80.6	9.6	78.8	98.9	0.444	0.410	0.252	0.350	0.0016

## TM30 details

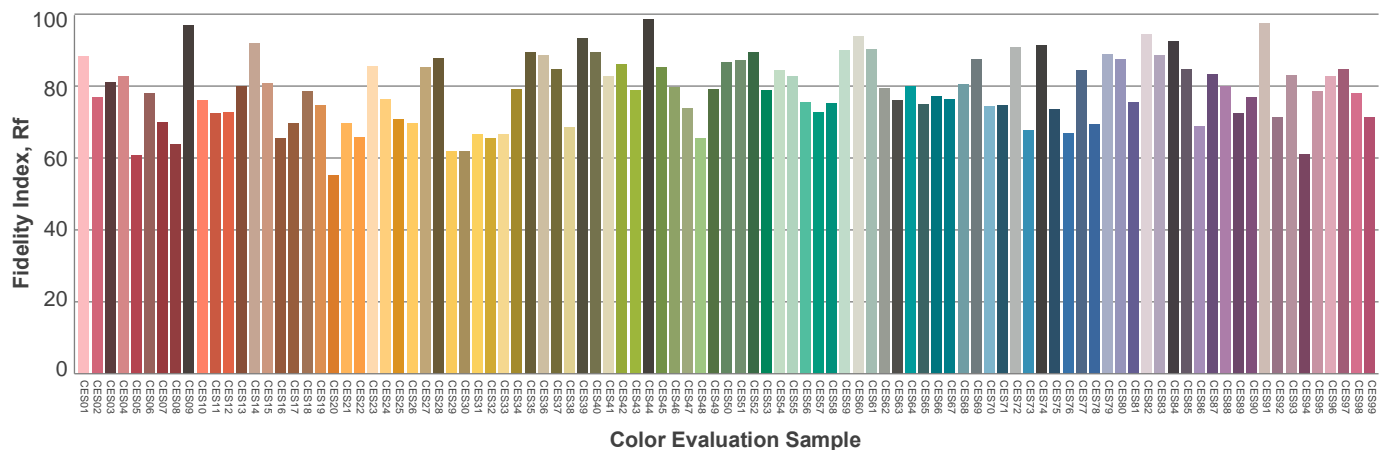
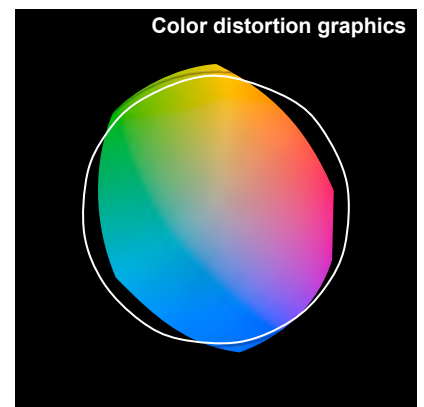
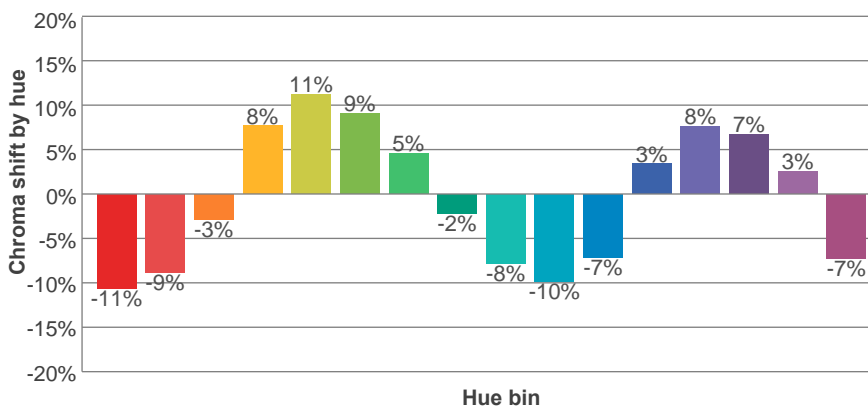
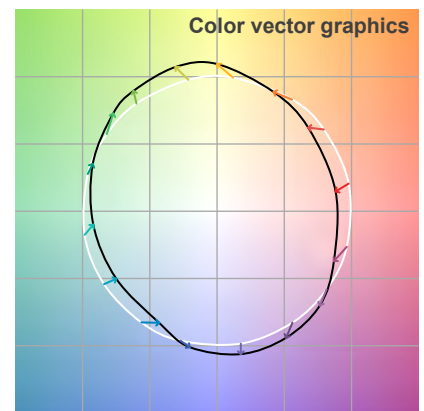
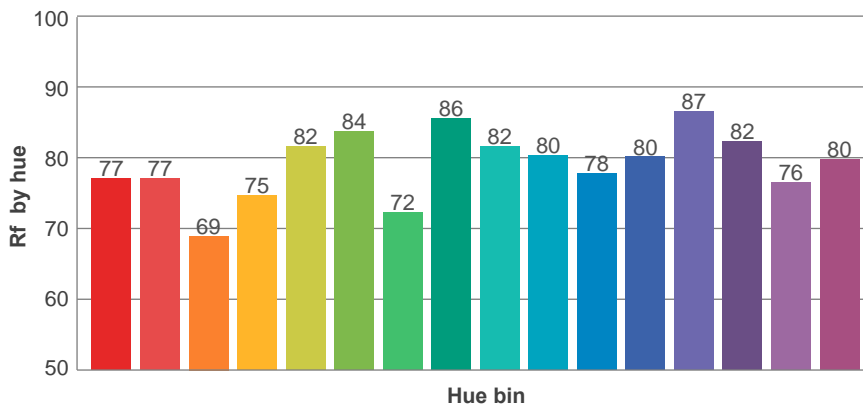
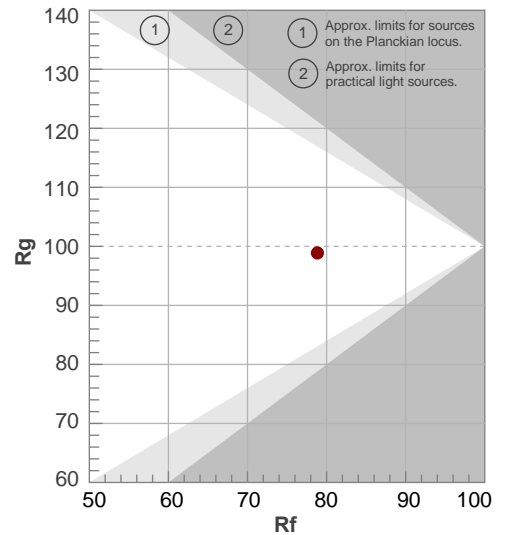
**Rf 78.8**

Fidelity index Rf

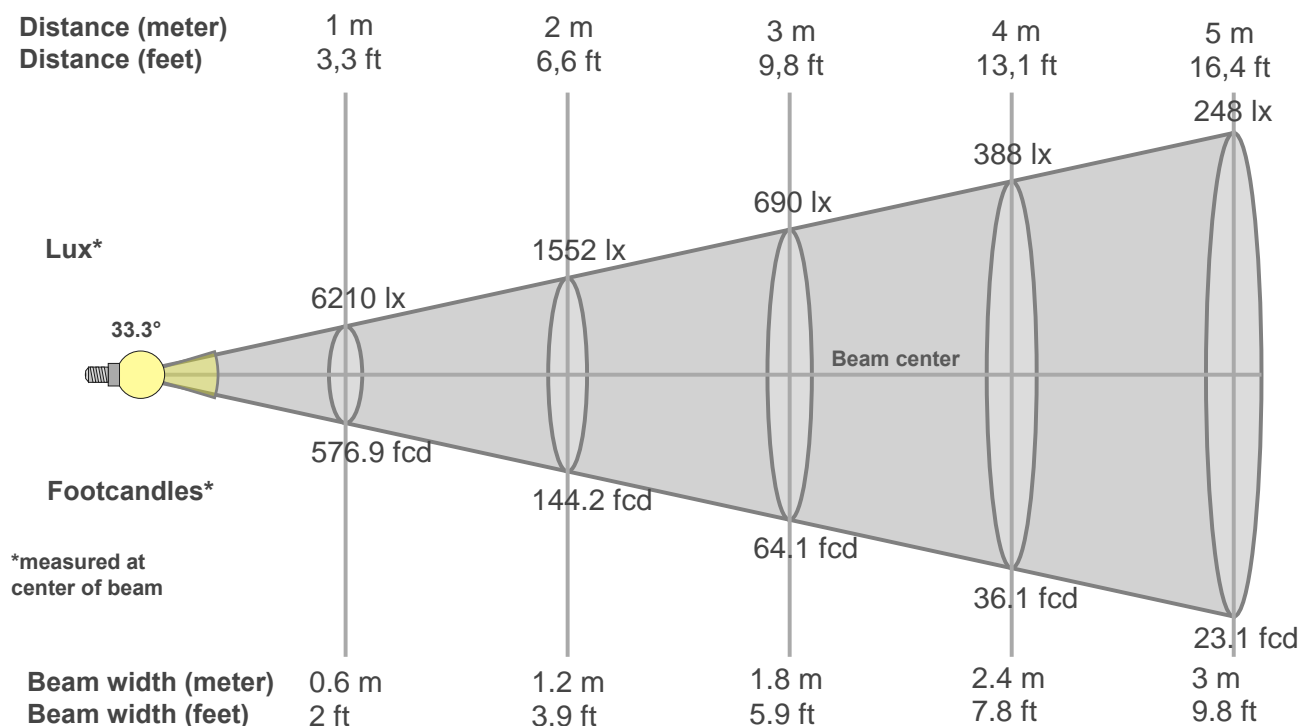
**Rg 98.9**

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
6210lx	1552lx	690lx	388lx	248lx	172lx	127lx	97lx	77lx	62lx	51lx	43lx	37lx	32lx	28lx	24lx	21lx	19lx	17lx	16lx
576.9fcd	144.2fcd	64.1fcd	36.1fcd	23.1fcd	16fcd	11.8fcd	9fcd	7.1fcd	5.8fcd	4.8fcd	4fcd	3.4fcd	2.9fcd	2.6fcd	2.3fcd	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°
6210	6142	5940	5619	5211	4732	4226	3725	3253	2822	2439	2102	1816	1588	1402	1196	971	739	515	317
100%	99%	96%	90%	84%	76%	68%	60%	52%	45%	39%	34%	29%	26%	23%	19%	16%	12%	8%	5%

### 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°
6210	6142	5935	5608	5193	4714	4210	3707	3240	2809	2431	2097	1811	1586	1400	1198	973	735	502	301
100%	99%	96%	90%	84%	76%	68%	60%	52%	45%	39%	34%	29%	26%	23%	19%	16%	12%	8%	5%

### 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°
6210	6142	5940	5619	5211	4732	4226	3725	3253	2822	2439	2102	1816	1588	1402	1196	971	739	515	317
100%	99%	96%	90%	84%	76%	68%	60%	52%	45%	39%	34%	29%	26%	23%	19%	16%	12%	8%	5%

### 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°
6210	6142	5935	5608	5193	4714	4210	3707	3240	2809	2431	2097	1811	1586	1400	1198	973	735	502	301
100%	99%	96%	90%	84%	76%	68%	60%	52%	45%	39%	34%	29%	26%	23%	19%	16%	12%	8%	5%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33.3°	70°	80.6°	98.6%	96.9%