

Light efficiency:

66 Lumen/Watt

Light quality:

CRI: 80.7

Color temperature:

2955 K

Output: 2711 lm

Peak: 2712 cd

Power: 40.9 W

PF: 0.99



Beam angle

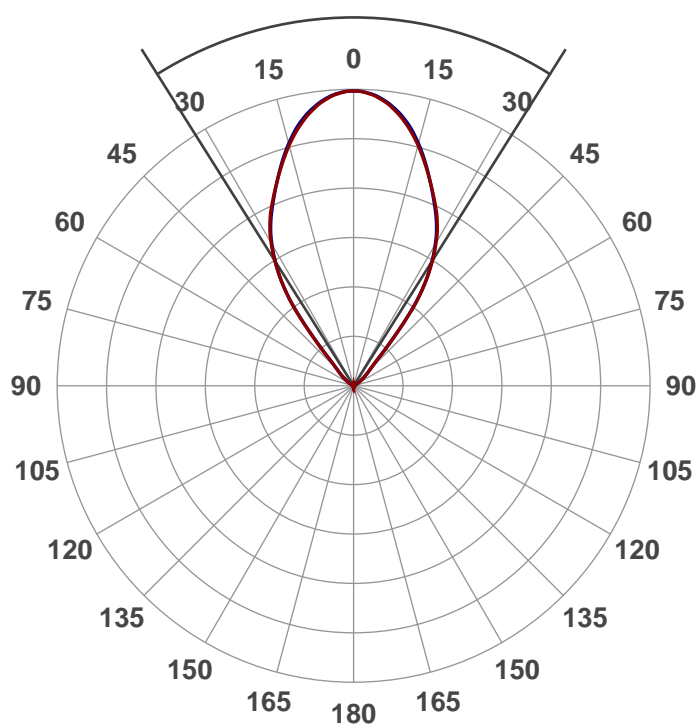
64.4°

Product name:

608-4-XTM19-38LM-30K-83-DA60-CLR

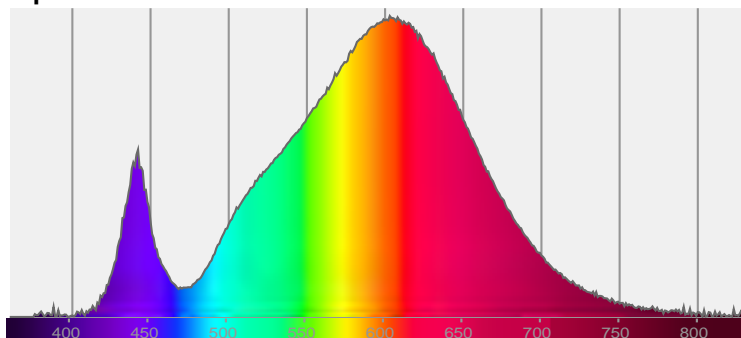
Date and time:

9/28/2016 3:55:32 PM

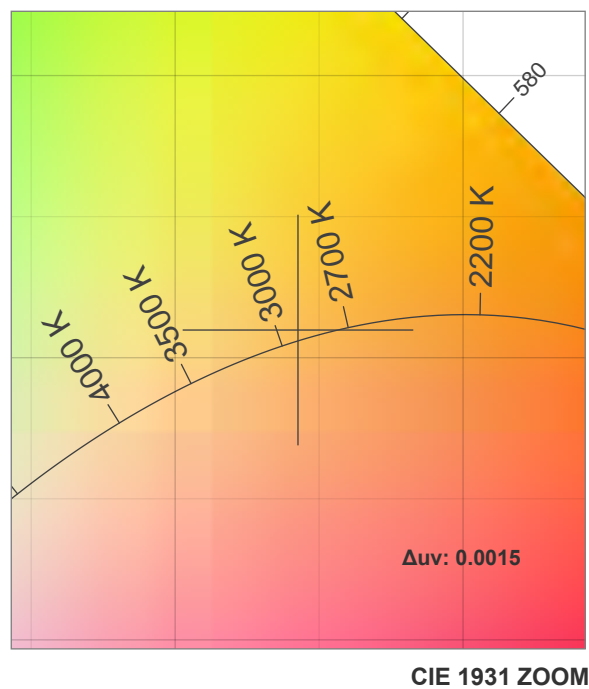
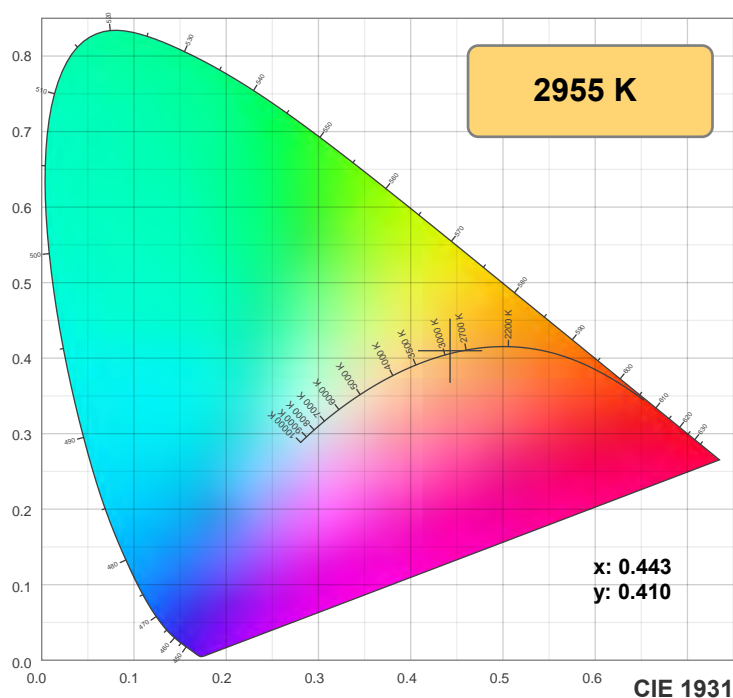


CIE 1931  
x: 0.443  
y: 0.410

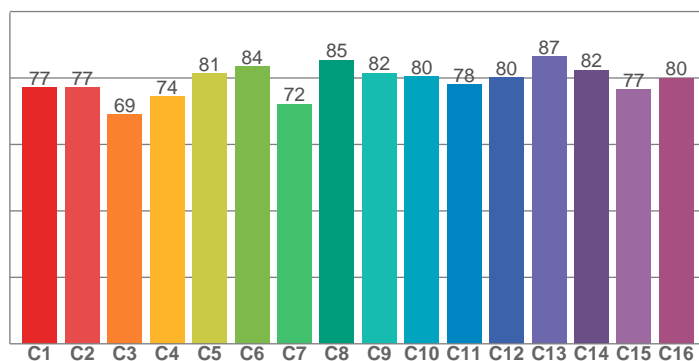
Spectra



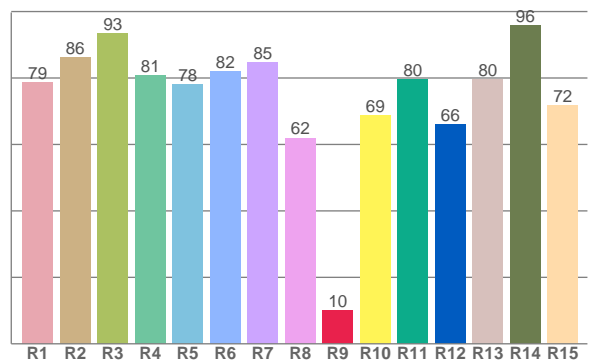
## Color details



**TM30: 78.8**



**CRI: 80.7 (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
78.7	86.2	93.5	80.8	78.1	82.0	84.7	62.0	10.2	68.6	79.6	66.1	79.7	96.0	71.8

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
77.2	77.2	69.0	74.4	81.4	83.5	72.1	85.5	81.5	80.4	78.0	80.1	86.5	82.5	76.5	80.0

## 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
2955 K	80.7	10.2	78.8	99.0	0.443	0.410	0.252	0.350	0.0015

## TM30 details

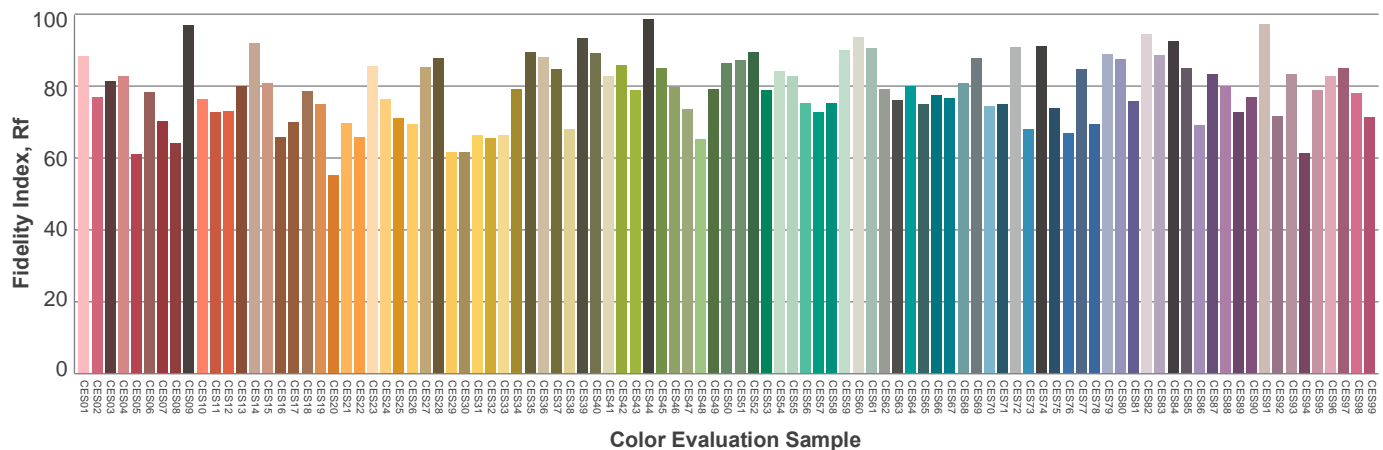
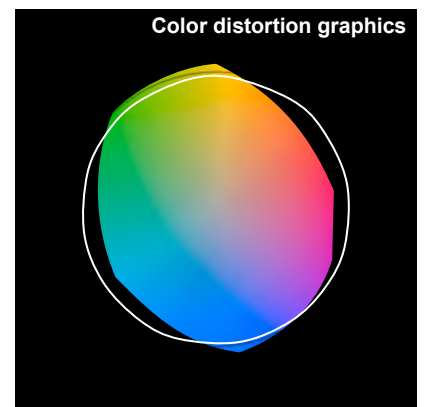
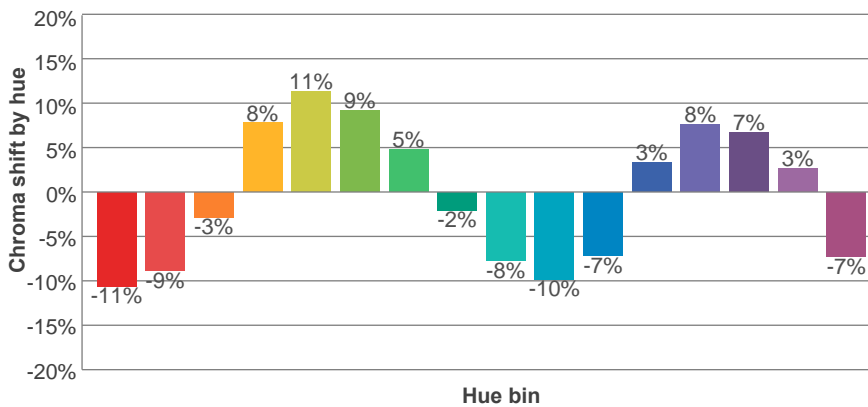
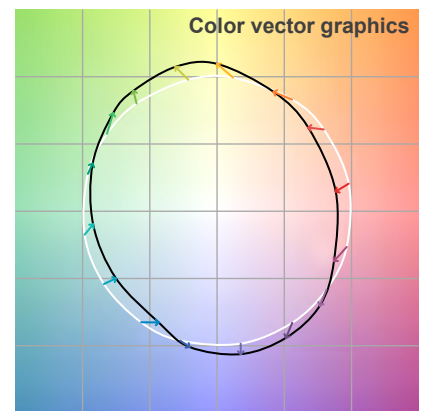
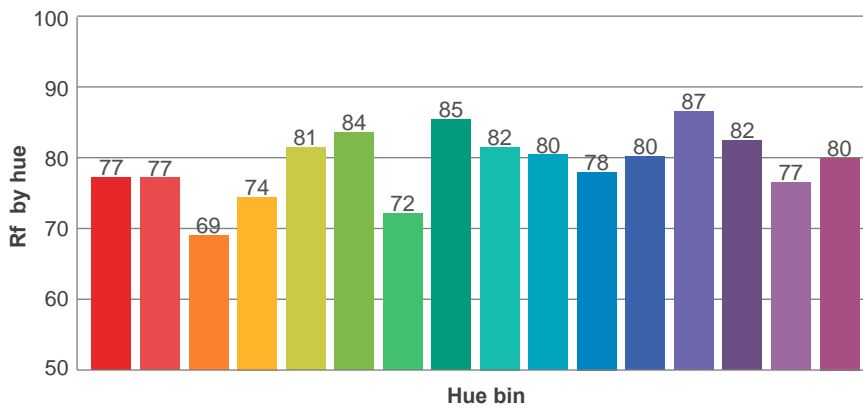
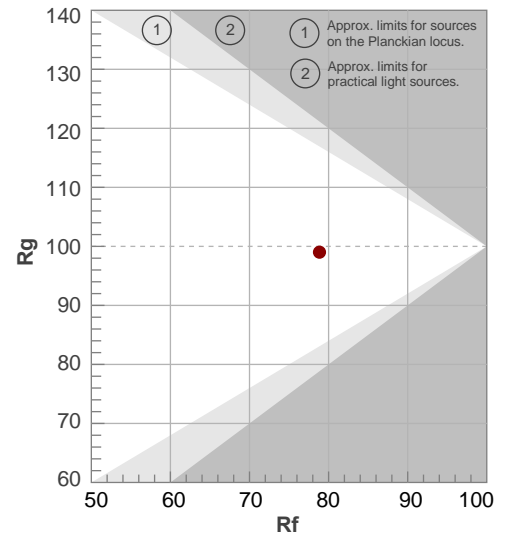
**Rf 78.8**

Fidelity index Rf

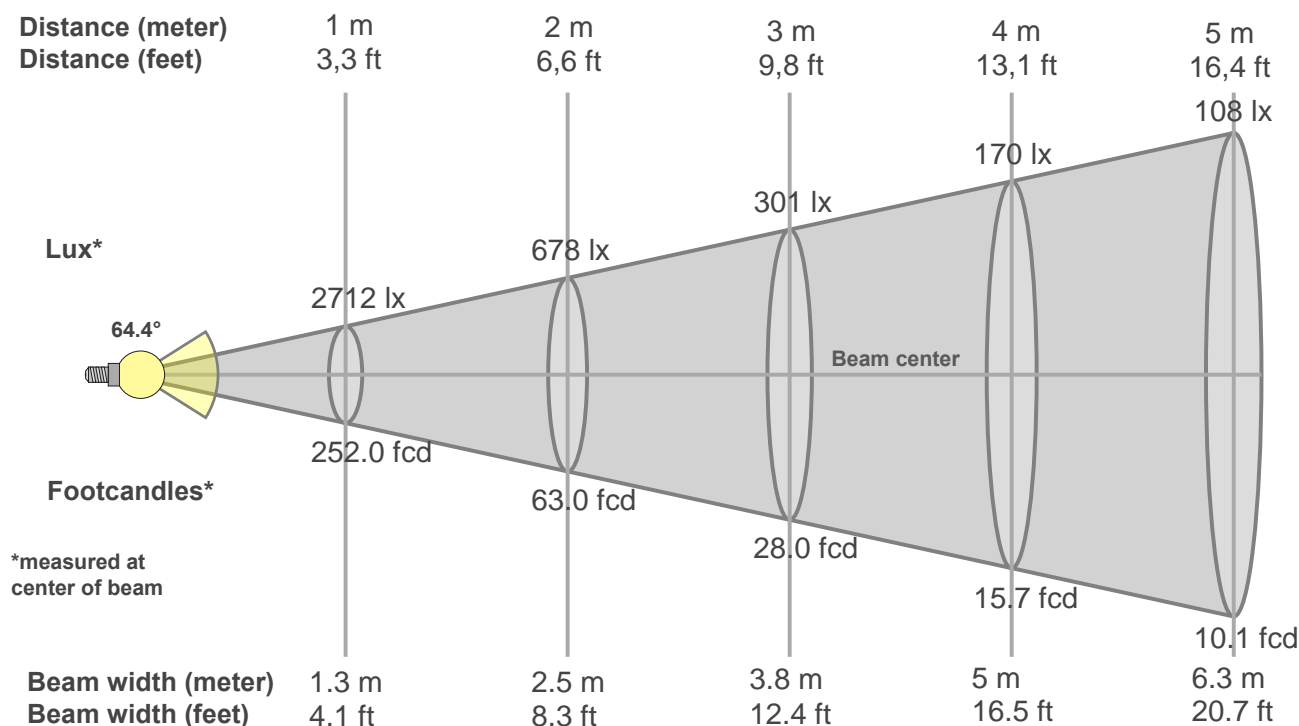
**Rg 99.0**

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	74	8%	14%
5	81	11%	8%
6	84	9%	-3%
7	72	5%	-15%
8	85	-2%	-8%
9	82	-8%	-6%
10	80	-10%	1%
11	78	-7%	11%
12	80	3%	8%
13	87	8%	-1%
14	82	7%	-10%
15	77	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
2712lx	678lx	301lx	170lx	108lx	75lx	55lx	42lx	33lx	27lx	22lx	19lx	16lx	14lx	12lx	11lx	9lx	8lx	8lx	7lx
252fcd	63fcd	28fcd	15.7fcd	10.1fcd	7fcd	5.1fcd	3.9fcd	3.1fcd	2.5fcd	2.1fcd	1.7fcd	1.5fcd	1.3fcd	1.1fcd	1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd

### 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°
2712	2704	2679	2636	2580	2512	2431	2339	2241	2138	2035	1937	1841	1748	1642	1517	1377	1223	1042	812
100%	100%	99%	97%	95%	93%	90%	86%	83%	79%	75%	71%	68%	64%	61%	56%	51%	45%	38%	30%

### 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°
2712	2706	2684	2646	2593	2530	2452	2358	2256	2148	2037	1931	1829	1731	1626	1504	1369	1218	1038	804
100%	100%	99%	98%	96%	93%	90%	87%	83%	79%	75%	71%	67%	64%	60%	55%	50%	45%	38%	30%

### 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°
2712	2704	2679	2636	2580	2512	2431	2339	2241	2138	2035	1937	1841	1748	1642	1517	1377	1223	1042	812
100%	100%	99%	97%	95%	93%	90%	86%	83%	79%	75%	71%	68%	64%	61%	56%	51%	45%	38%	30%

### 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°
2712	2706	2684	2646	2593	2530	2452	2358	2256	2148	2037	1931	1829	1731	1626	1504	1369	1218	1038	804
100%	100%	99%	98%	96%	93%	90%	87%	83%	79%	75%	71%	67%	64%	60%	55%	50%	45%	38%	30%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
64.4°	86.8°	112.3°	97.9%	92.7%