

Light efficiency:

66 Lumen/Watt

Light quality:

CRI: 80.6

Color temperature:

2948 K

Output: 2714 lm

Peak: 3584 cd

Power: 40.9 W

PF: 0.99



Beam angle

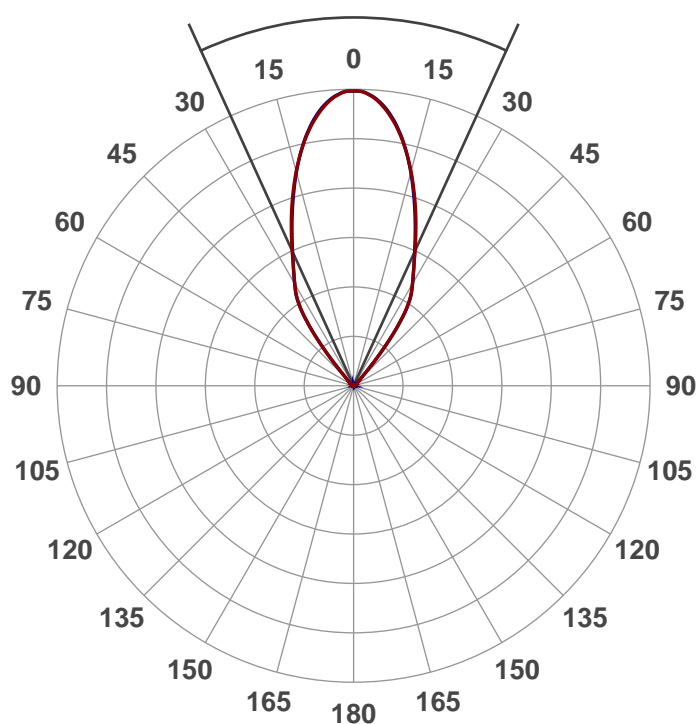
49°

Product name:

608-4-XTM19-38LM-30K-83-DA40-  
CLR

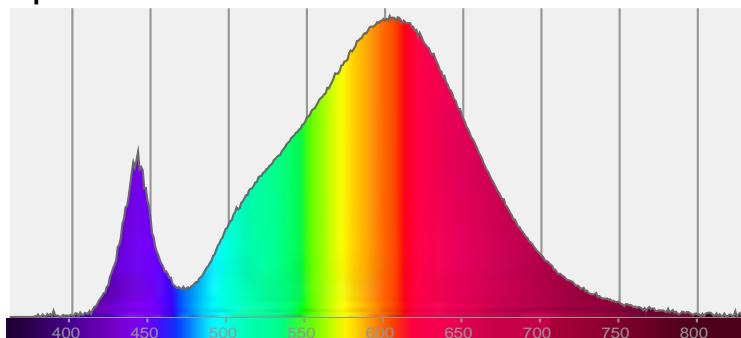
Date and time:

9/28/2016 4:11:47 PM

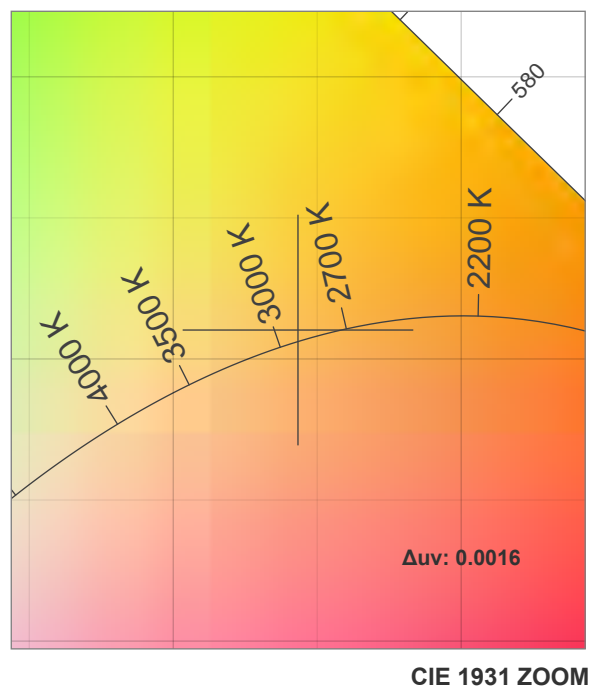
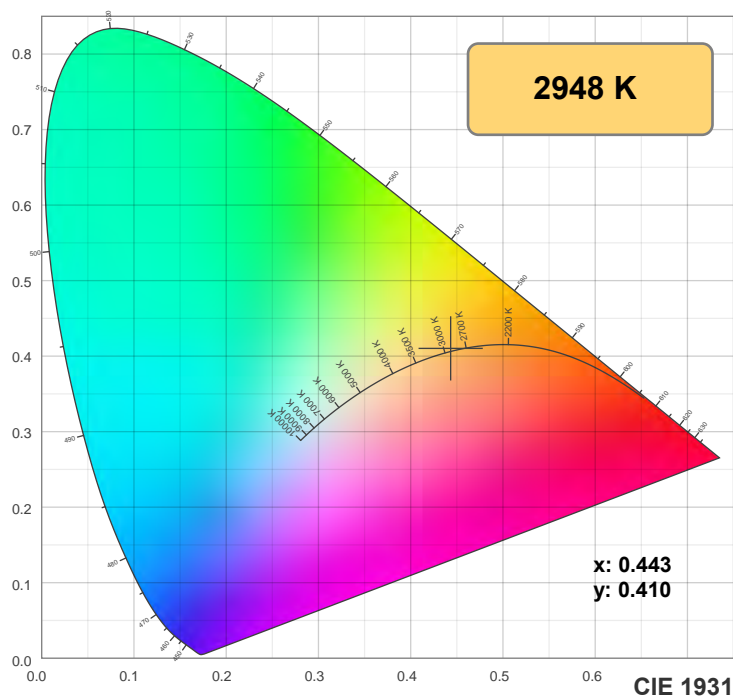


CIE 1931  
x: 0.443  
y: 0.410

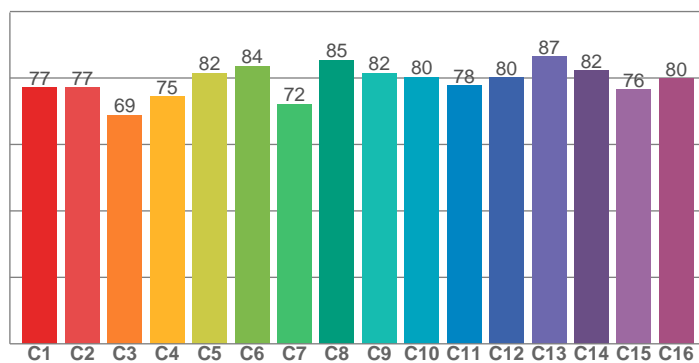
Spectra



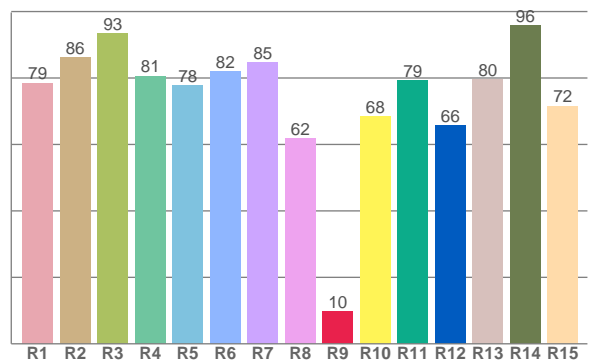
## Color details



**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	80.7	77.9	81.9	84.7	61.8	9.8	68.5	79.4	65.8	79.6	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	74.5	81.5	83.6	72.2	85.5	81.5	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
2948 K	80.6	9.8	78.8	98.9	0.443	0.410	0.252	0.350	0.0016

## TM30 details

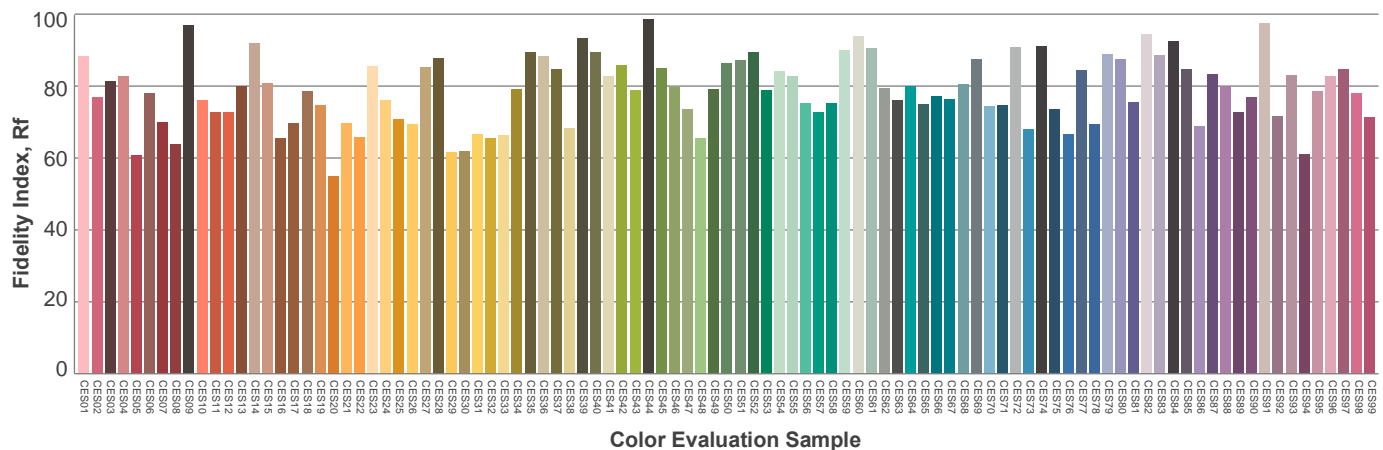
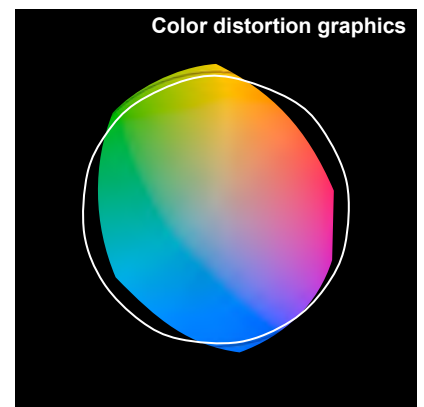
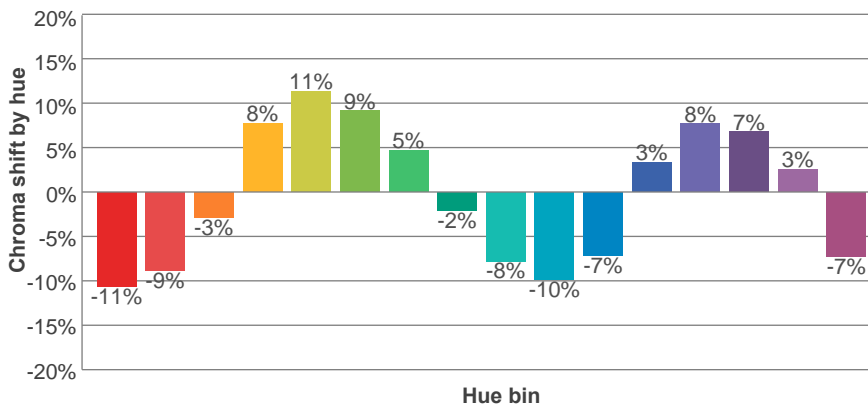
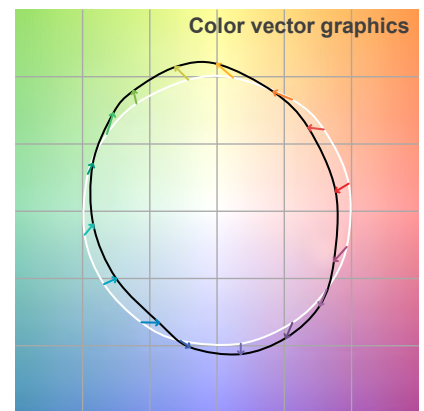
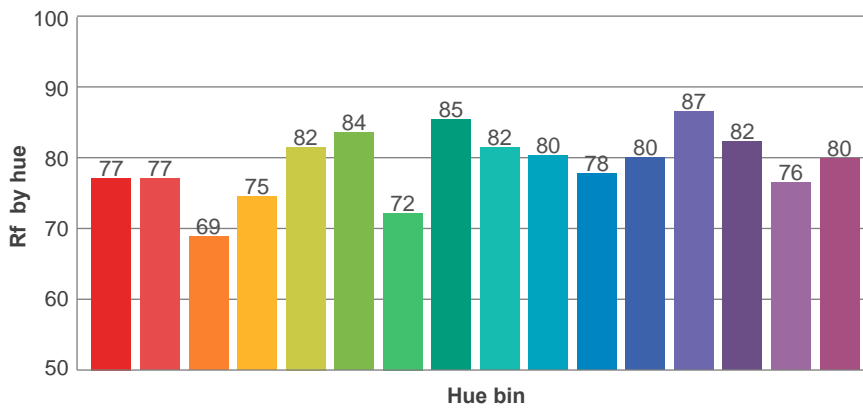
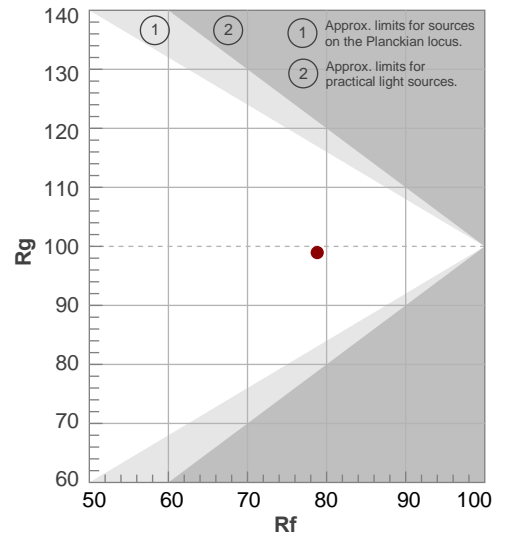
**Rf 78.8**

Fidelity index Rf

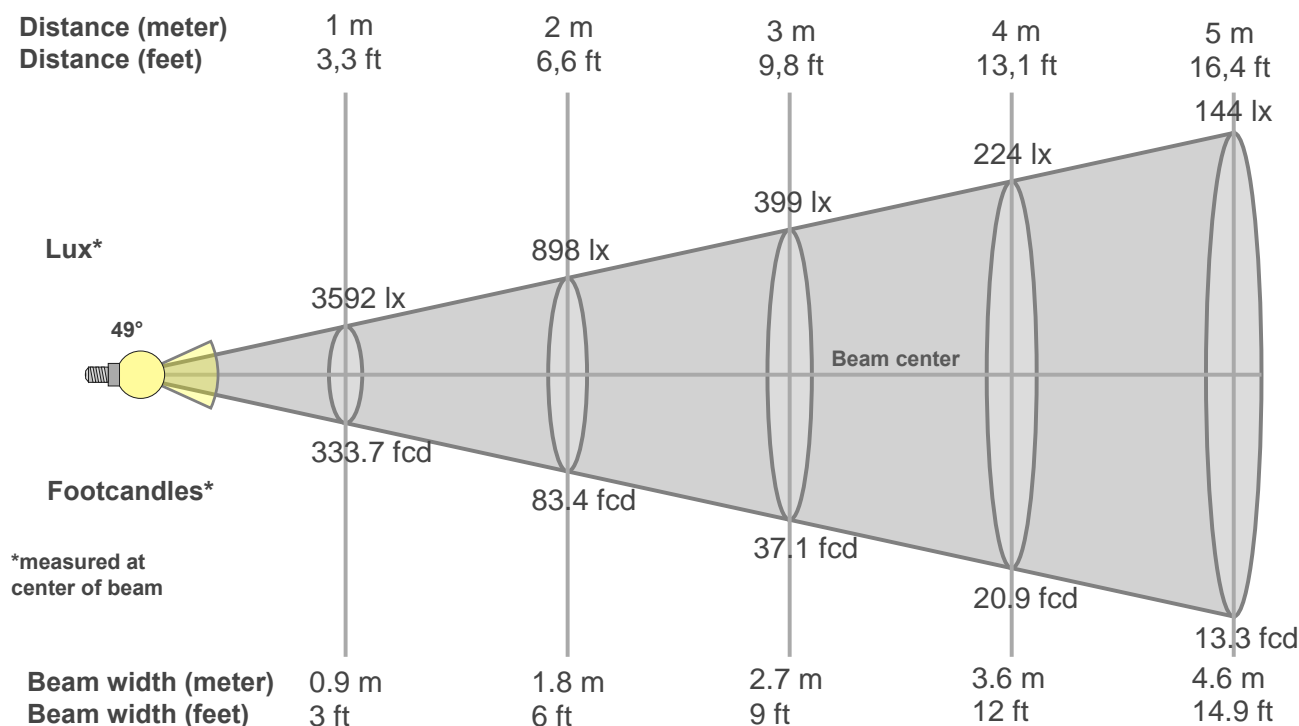
**Rg 98.9**

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	85	-2%	-8%
9	82	-8%	-6%
10	80	-10%	2%
11	78	-7%	11%
12	80	3%	8%
13	87	8%	-1%
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
3592lx	898lx	399lx	224lx	144lx	100lx	73lx	56lx	44lx	36lx	30lx	25lx	21lx	18lx	16lx	14lx	12lx	11lx	10lx	9lx
333.7fcd	83.4fcd	37.1fcd	20.9fcd	13.3fcd	9.3fcd	6.8fcd	5.2fcd	4.1fcd	3.3fcd	2.8fcd	2.3fcd	2fcd	1.7fcd	1.5fcd	1.3fcd	1.2fcd	1fcd	0.9fcd	0.8fcd

### 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°
3592	3571	3511	3416	3291	3144	2976	2792	2600	2404	2210	2021	1842	1682	1547	1430	1320	1175	965	706
100%	99%	98%	95%	92%	88%	83%	78%	72%	67%	62%	56%	51%	47%	43%	40%	37%	33%	27%	20%

### 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°
3592	3574	3519	3430	3307	3156	2981	2788	2585	2381	2185	1999	1828	1677	1548	1435	1327	1177	960	693
100%	100%	98%	96%	92%	88%	83%	78%	72%	66%	61%	56%	51%	47%	43%	40%	37%	33%	27%	19%

### 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°
3592	3571	3511	3416	3291	3144	2976	2792	2600	2404	2210	2021	1842	1682	1547	1430	1320	1175	965	706
100%	99%	98%	95%	92%	88%	83%	78%	72%	67%	62%	56%	51%	47%	43%	40%	37%	33%	27%	20%

### 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°
3592	3574	3519	3430	3307	3156	2981	2788	2585	2381	2185	1999	1828	1677	1548	1435	1327	1177	960	693
100%	100%	98%	96%	92%	88%	83%	78%	72%	66%	61%	56%	51%	47%	43%	40%	37%	33%	27%	19%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
49°	81.3°	95.9°	98.3%	95.3%