

Light efficiency:

66 Lumen/Watt

Light quality:

CRI: 83.3

Color temperature:

2989 K

Output: 898 lm

Peak: 685 cd

Power: 13.5 W

PF: 0.99



Beam angle

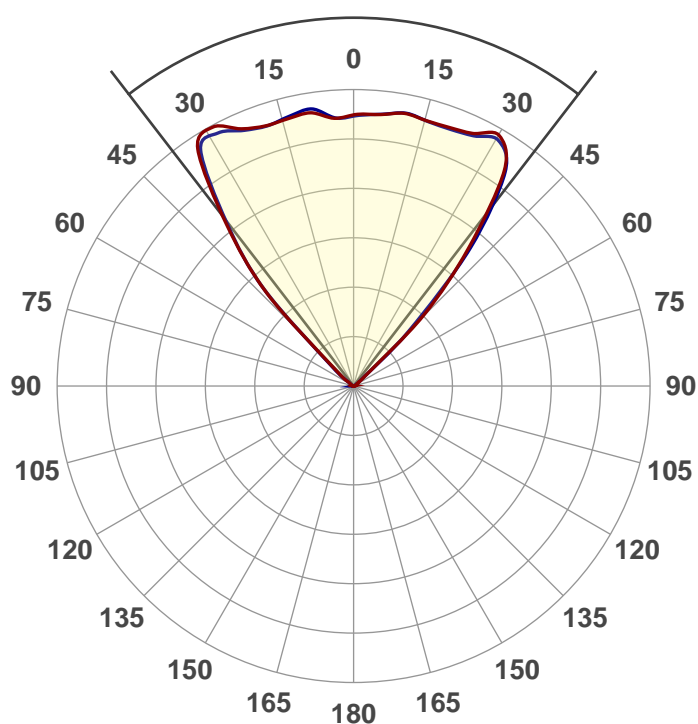
75.2°

Product name:

608QA-6-XTM19-13LM-30K-83-  
UNV-DIM10-WH-TCGS

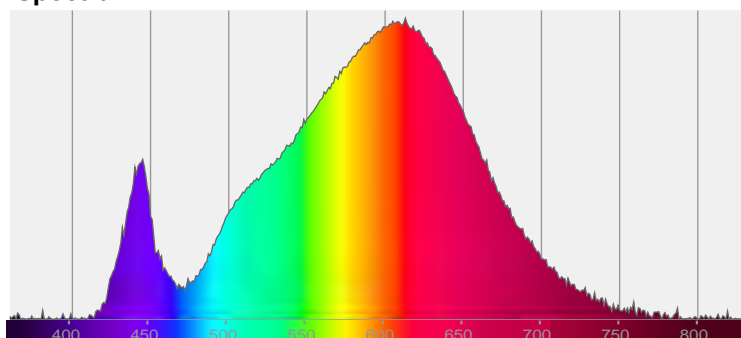
Date and time:

1/12/2018 2:21:27 PM

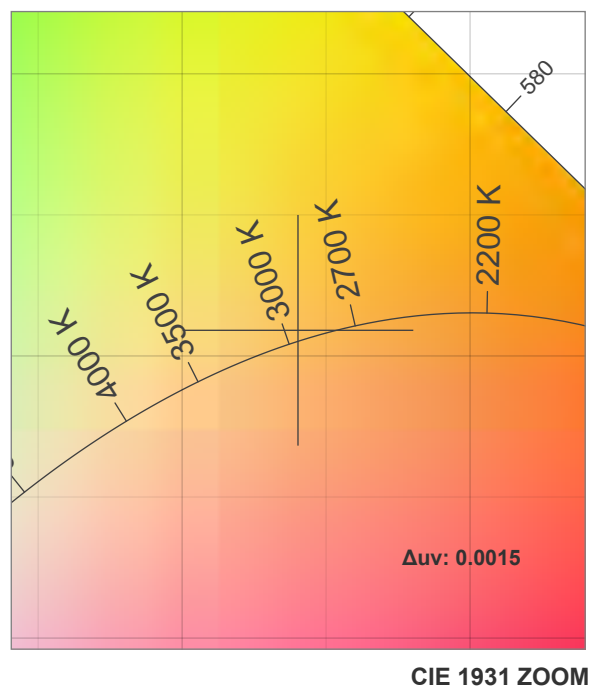
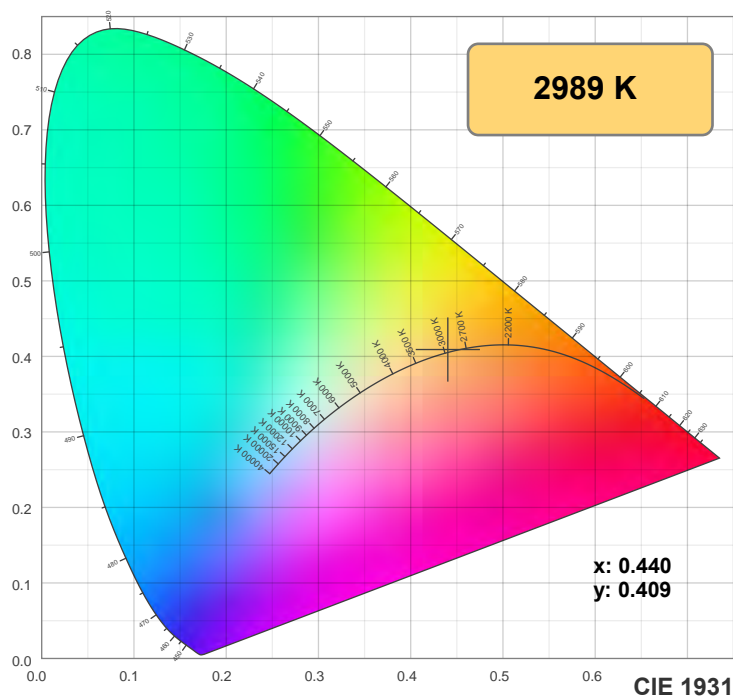


CIE 1931  
x: 0.440  
y: 0.409

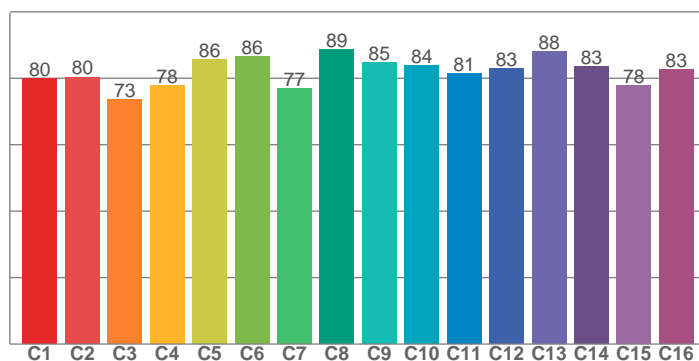
Spectra



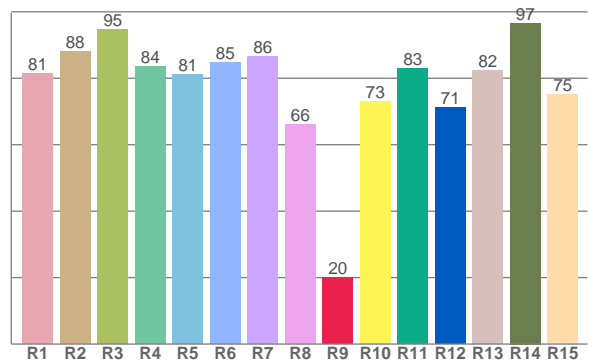
## Color details



**TM30: 82.0**



**CRI: 83.3 (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
81.4	88.1	94.6	83.5	81.1	84.8	86.4	66.2	20.1	73.1	82.9	71.3	82.3	96.6	75.1

**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
79.9	80.4	73.5	77.8	85.7	86.4	76.9	88.5	84.8	83.8	81.3	82.9	88.0	83.5	77.9	82.5

## 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
2989 K	83.3	20.1	82.0	99.2	0.440	0.409	0.251	0.349	0.0015

## TM30 details

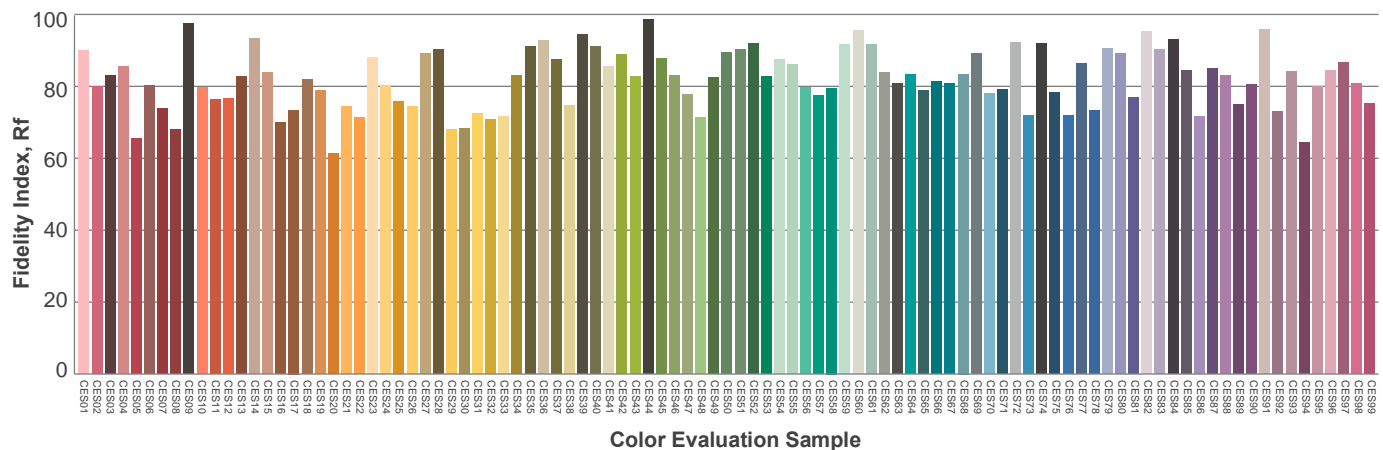
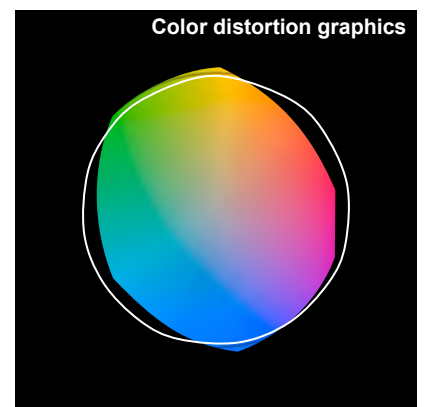
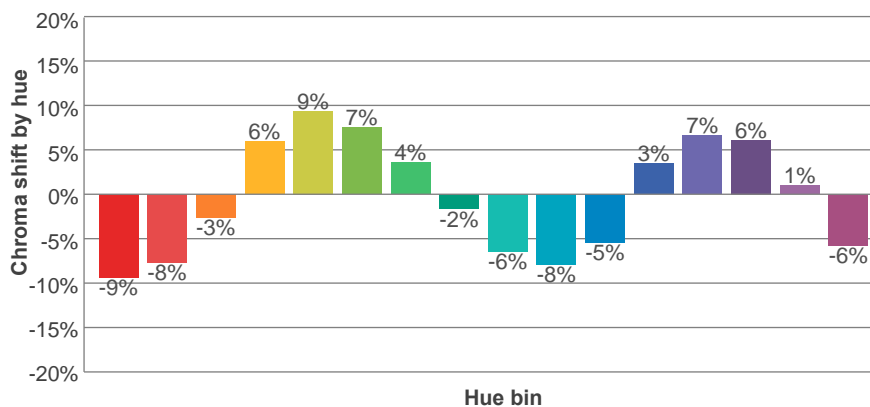
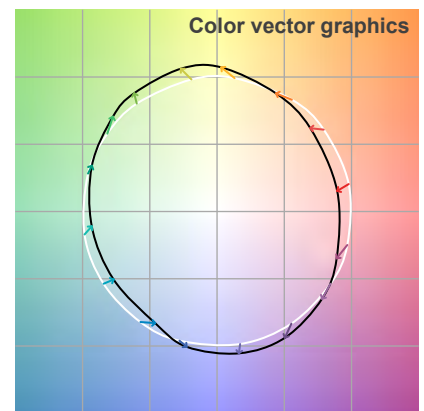
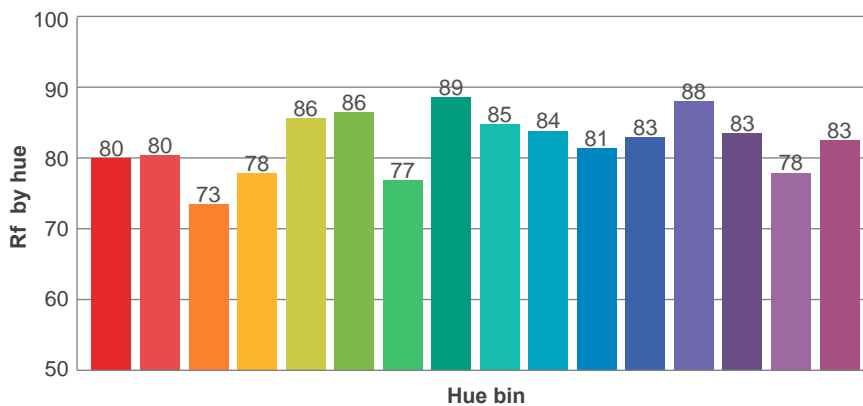
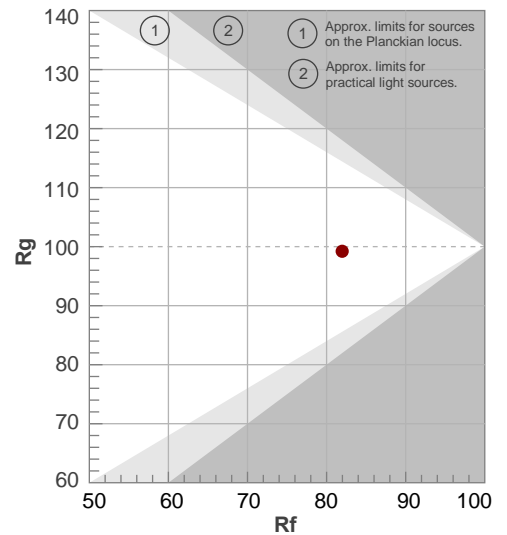
**Rf 82.0**

Fidelity index Rf

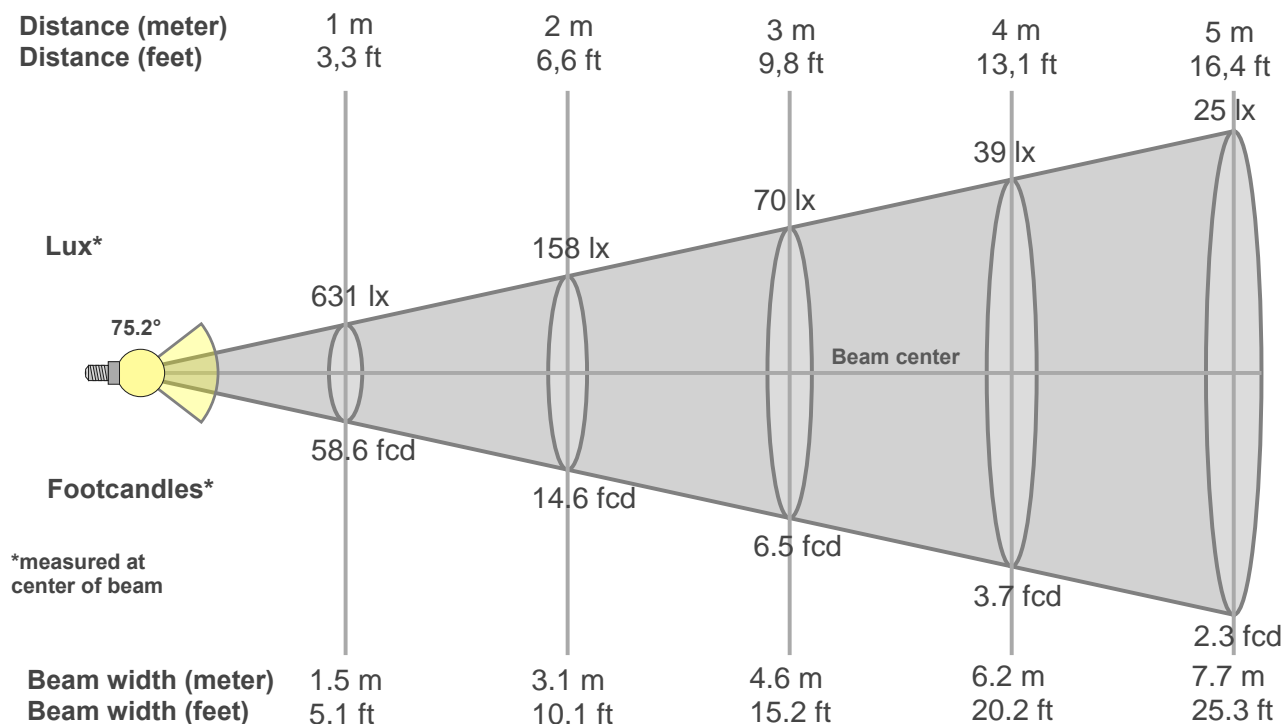
**Rg 99.2**

Gammut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	80	-9%	-3%
2	80	-8%	6%
3	73	-3%	12%
4	78	6%	11%
5	86	9%	6%
6	86	7%	-3%
7	77	4%	-13%
8	89	-2%	-6%
9	85	-6%	-5%
10	84	-8%	2%
11	81	-5%	10%
12	83	3%	6%
13	88	7%	-2%
14	83	6%	-10%
15	78	1%	-13%
16	83	-6%	-11%



## 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
631lx	158lx	70lx	39lx	25lx	18lx	13lx	10lx	8lx	6lx	5lx	4lx	4lx	3lx	3lx	2lx	2lx	2lx	2lx	2lx
58.6fcd	14.6fcd	6.5fcd	3.7fcd	2.3fcd	1.6fcd	1.2fcd	0.9fcd	0.7fcd	0.6fcd	0.5fcd	0.4fcd	0.3fcd	0.3fcd	0.3fcd	0.2fcd	0.2fcd	0.2fcd	0.2fcd	0.1fcd

### 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°
631	628	624	632	640	643	641	640	640	639	643	648	656	669	682	677	667	635	560	485
100%	99%	99%	100%	101%	102%	102%	101%	101%	101%	102%	103%	104%	106%	108%	107%	106%	101%	89%	77%

### 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°
631	626	626	637	649	650	647	644	641	638	641	645	650	659	667	662	657	617	546	475
100%	99%	99%	101%	103%	103%	103%	102%	102%	101%	102%	102%	103%	104%	106%	105%	104%	98%	87%	75%

### 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°
631	633	634	635	640	644	644	641	640	641	641	644	647	653	664	674	650	624	571	491
100%	100%	100%	101%	101%	102%	102%	102%	101%	102%	102%	102%	103%	104%	105%	107%	103%	99%	90%	78%

### 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°
631	631	633	636	640	644	645	642	639	639	638	640	643	647	654	662	646	624	583	506
100%	100%	100%	101%	101%	102%	102%	102%	101%	101%	101%	101%	102%	103%	104%	105%	102%	99%	92%	80%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
75.2°	87.8°	104.5°	98.9%	95.6%