

Light efficiency:

62 Lumen/Watt

Light quality:

CRI: 79.2

Color temperature:

2896 K

Output: 3337 lm

Peak: 2738 cd

Power: 54.2 W

PF: 1.0



Beam angle

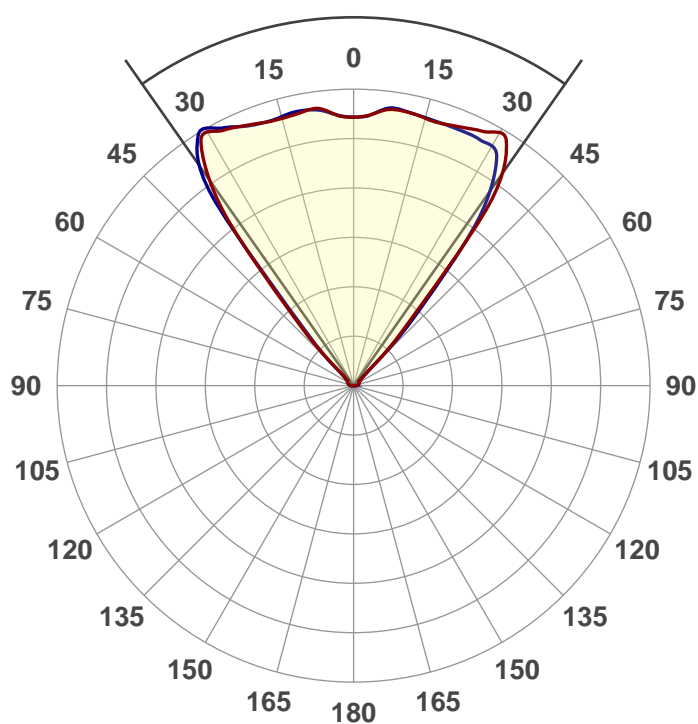
70.1°

Product name:

608QA-6-XTM19-50LM-30K-83-  
UNV-DIM10-WH-TCRO

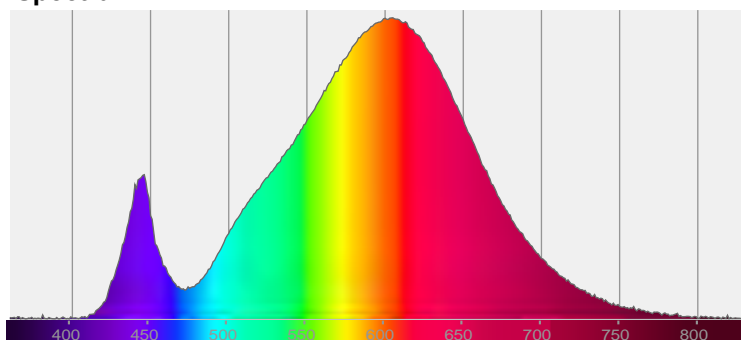
Date and time:

1/16/2018 8:37:09 AM

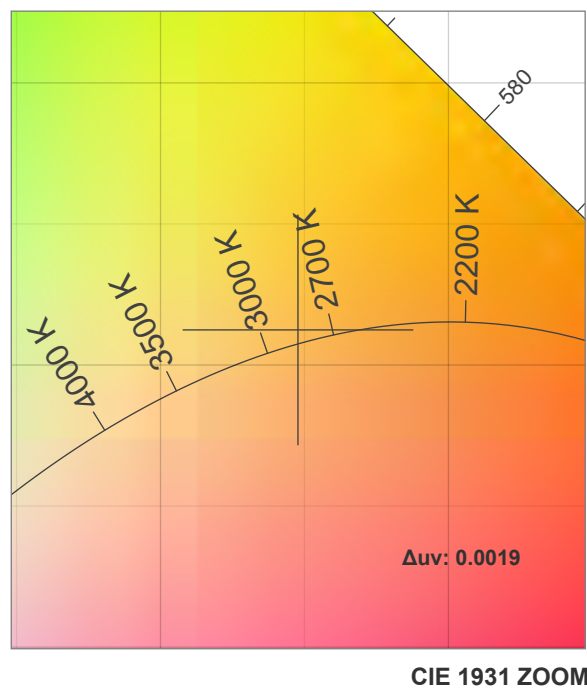
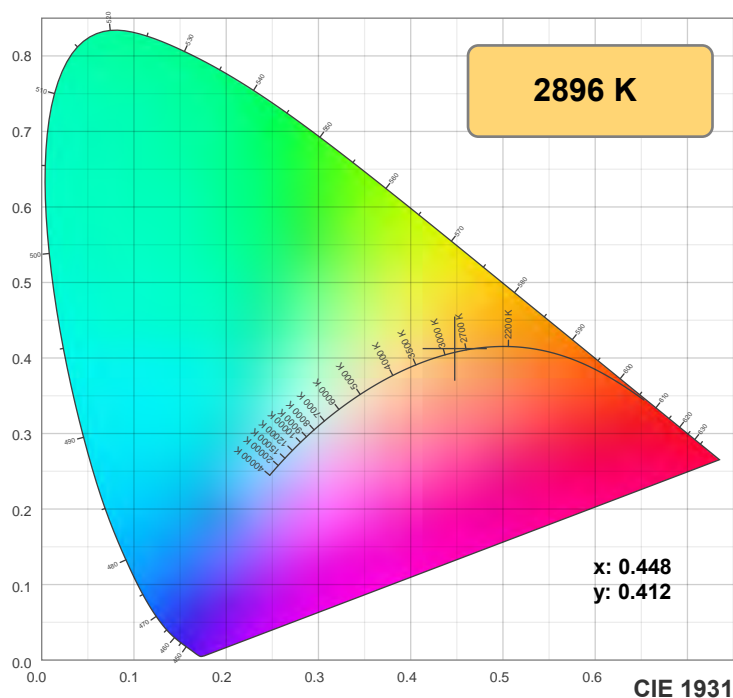


CIE 1931  
x: 0.448  
y: 0.412

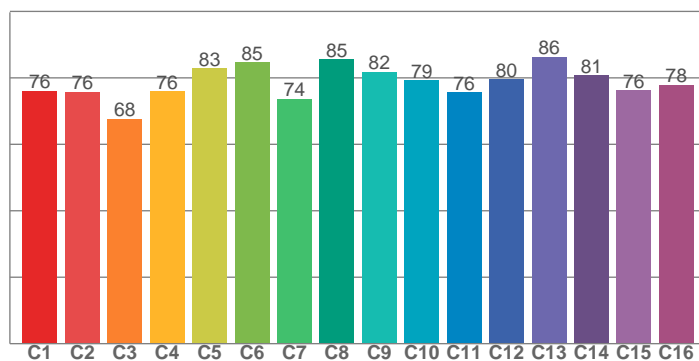
Spectra



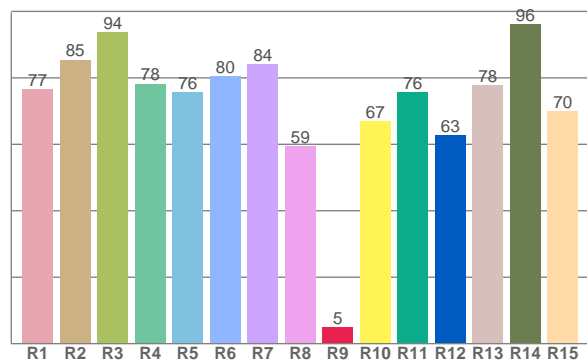
## Color details



TM30: 78.4



CRI: 79.2 (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
76.6	85.4	93.8	78.2	75.7	80.5	84.1	59.4	5.0	66.8	75.6	62.7	77.9	96.2	69.9

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
76.0	75.8	67.7	75.9	82.9	84.7	73.7	85.5	81.8	79.2	75.7	79.5	86.2	80.8	76.2	77.9

## 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	$\Delta uv$
2896 K	79.2	5.0	78.4	97.8	0.448	0.412	0.254	0.351	0.0019

## TM30 details

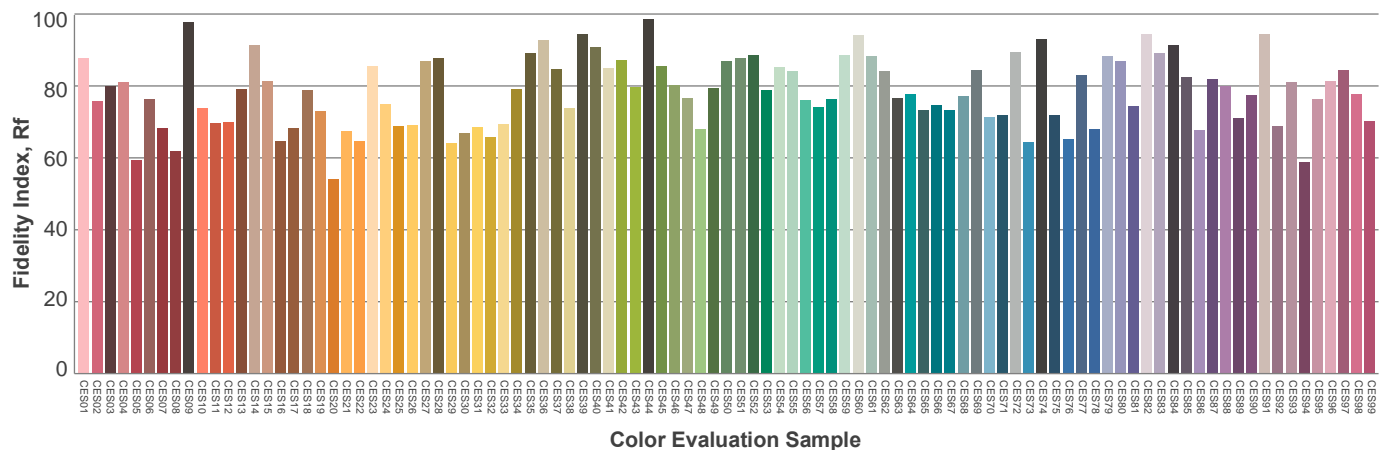
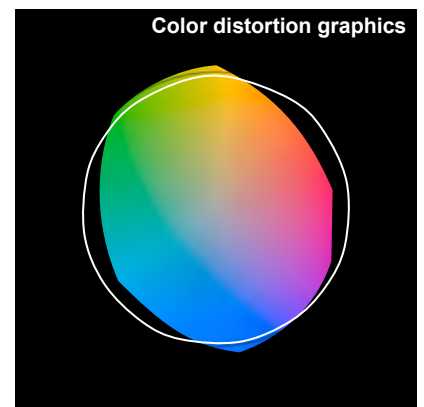
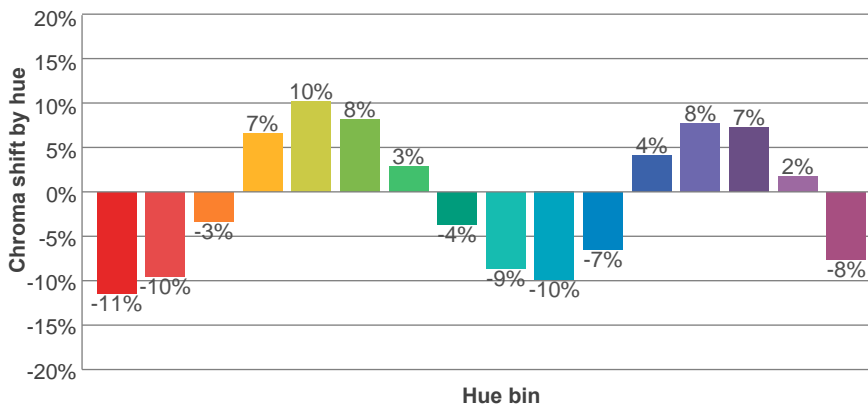
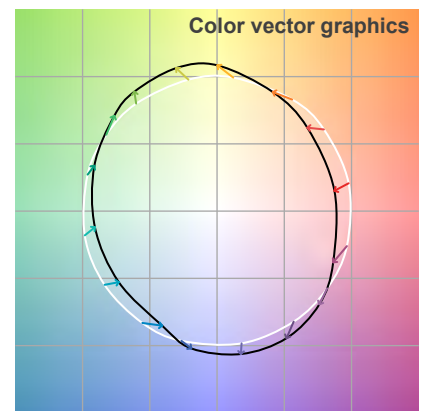
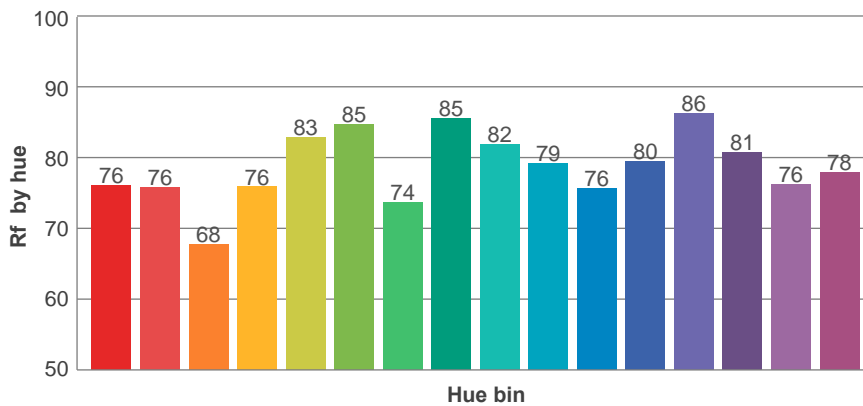
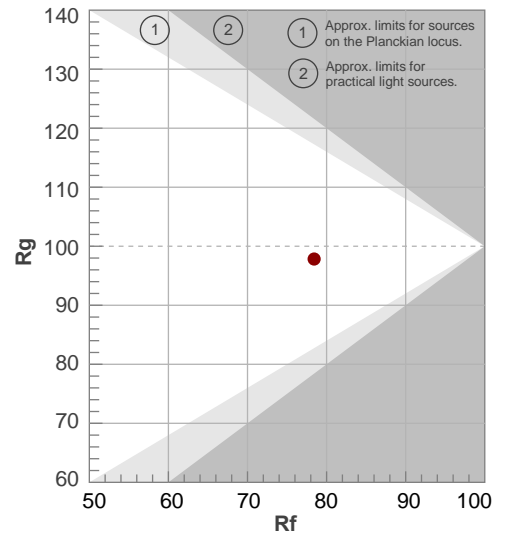
**Rf 78.4**

Fidelity index Rf

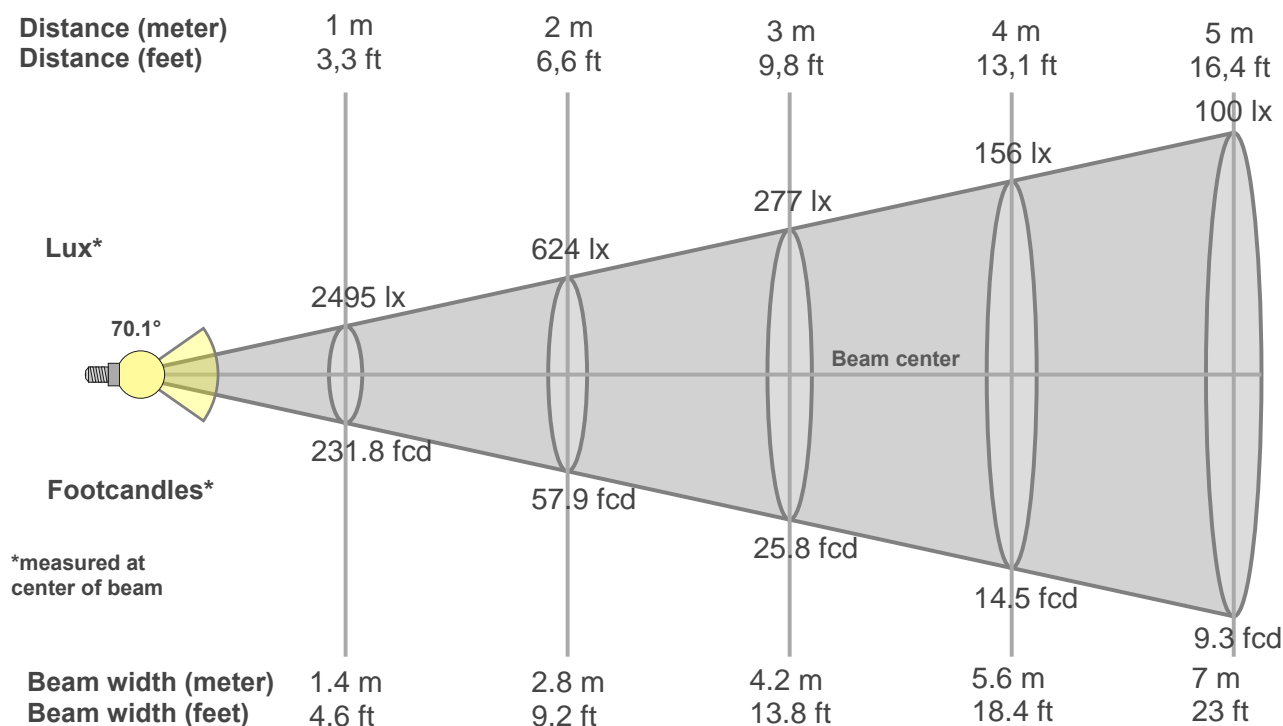
**Rg 97.8**

Gammut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	76	-11%	-3%
2	76	-10%	8%
3	68	-3%	15%
4	76	7%	13%
5	83	10%	7%
6	85	8%	-4%
7	74	3%	-15%
8	85	-4%	-7%
9	82	-9%	-4%
10	79	-10%	4%
11	76	-7%	13%
12	80	4%	8%
13	86	8%	-2%
14	81	7%	-11%
15	76	2%	-13%
16	78	-8%	-14%



## 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
2495lx	624lx	277lx	156lx	100lx	69lx	51lx	39lx	31lx	25lx	21lx	17lx	15lx	13lx	11lx	10lx	9lx	8lx	7lx	6lx
231.8fcd	57.9fcd	25.8fcd	14.5fcd	9.3fcd	6.4fcd	4.7fcd	3.6fcd	2.9fcd	2.3fcd	1.9fcd	1.6fcd	1.4fcd	1.2fcd	1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	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°
2495	2475	2504	2542	2566	2557	2548	2546	2545	2550	2566	2583	2603	2623	2636	2642	2647	2372	2097	1693
100%	99%	100%	102%	103%	102%	102%	102%	102%	102%	103%	104%	104%	105%	106%	106%	106%	95%	84%	68%

### 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°
2495	2477	2502	2533	2555	2563	2571	2564	2554	2554	2564	2575	2607	2640	2666	2688	2688	2471	2255	1779
100%	99%	100%	102%	102%	103%	103%	103%	102%	102%	103%	103%	104%	106%	107%	108%	108%	99%	90%	71%

### 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°
2495	2478	2504	2537	2558	2558	2558	2550	2541	2541	2554	2567	2588	2610	2628	2641	2641	2407	2173	1737
100%	99%	100%	102%	103%	103%	103%	102%	102%	102%	102%	103%	104%	105%	105%	106%	106%	96%	87%	70%

### 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°
2495	2476	2504	2543	2571	2564	2558	2552	2547	2543	2543	2542	2541	2540	2528	2503	2477	2244	2004	1657
100%	99%	100%	102%	103%	103%	103%	102%	102%	102%	102%	102%	102%	102%	101%	100%	99%	90%	80%	66%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
70.1°	81.9°	121°	95.8%	92.1%