

Light efficiency:

66 Lumen/Watt

Light quality:

CRI: 83.5

Color temperature:

2967 K

Output: 886 lm

Peak: 725 cd

Power: 13.5 W

PF: 0.99



Beam angle

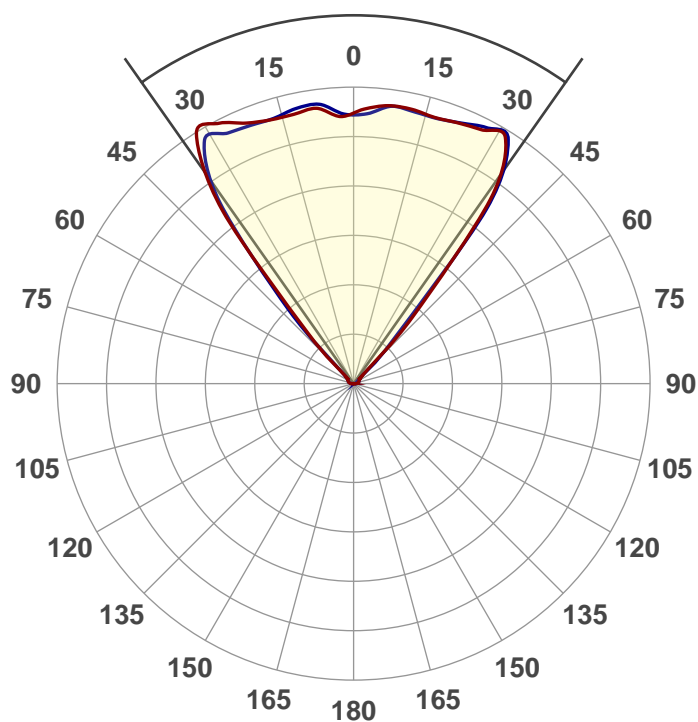
70.3°

Product name:

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

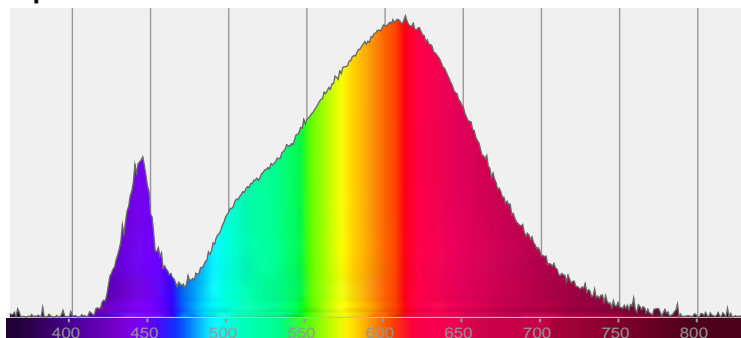
Date and time:

1/12/2018 2:33:32 PM

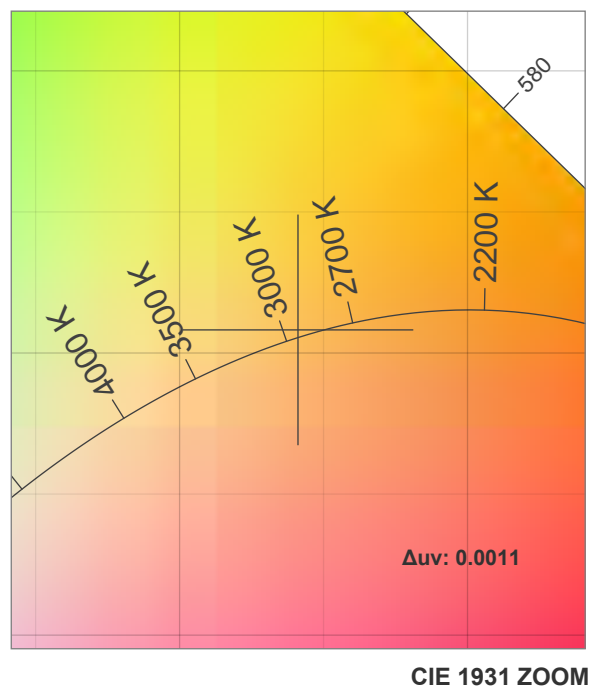
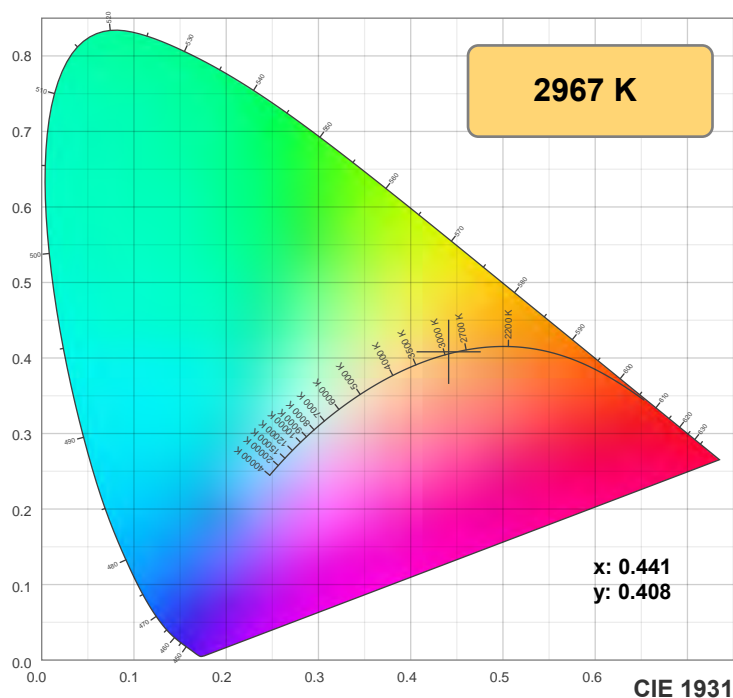


CIE 1931
x: 0.441
y: 0.408

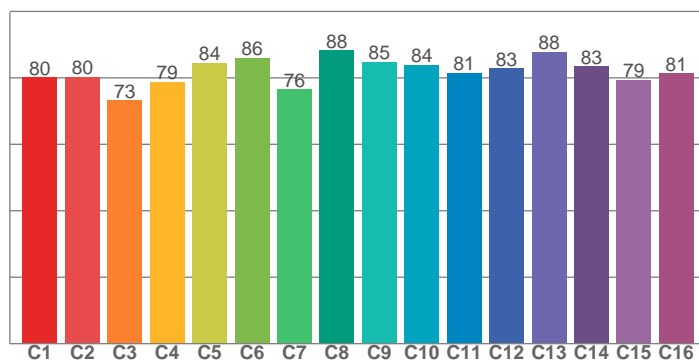
Spectra



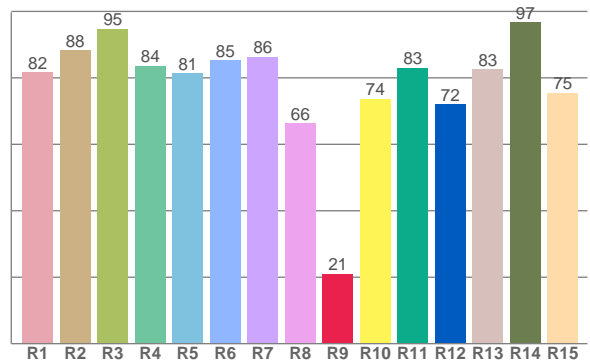
Color details



TM30: 81.9



CRI: 83.5 (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
81.7	88.4	94.8	83.6	81.4	85.3	86.3	66.3	21.0	73.7	83.1	72.0	82.6	96.7	75.5

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
80.1	80.3	73.3	78.8	84.5	86.0	76.5	88.3	84.7	83.9	81.4	82.8	87.8	83.5	79.4	81.3

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
2967 K	83.5	21.0	81.9	99.5	0.441	0.408	0.251	0.349	0.0011

TM30 details

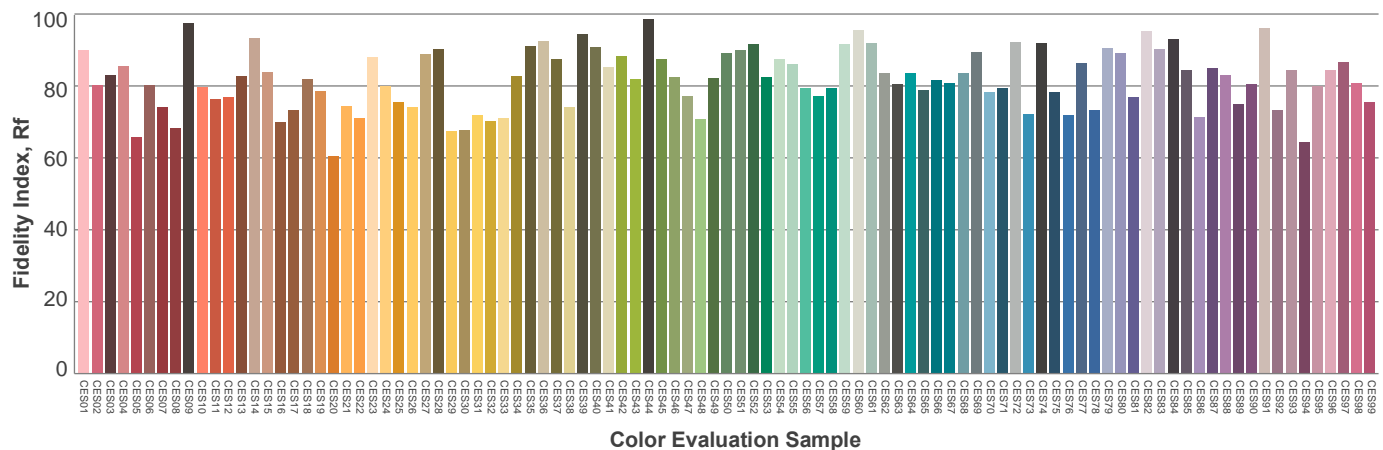
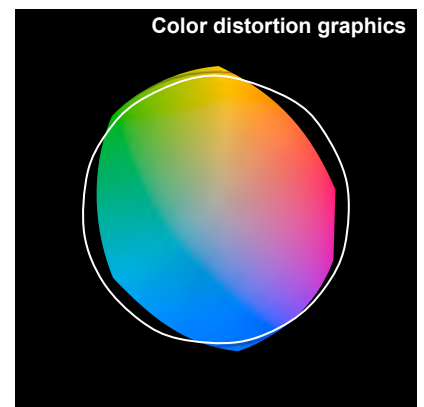
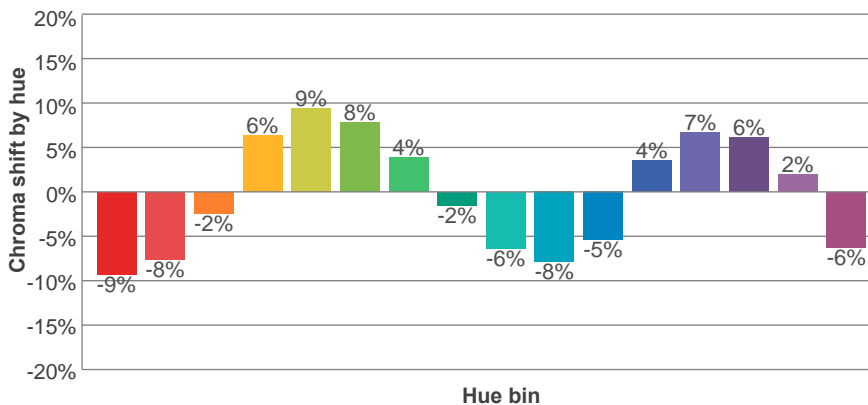
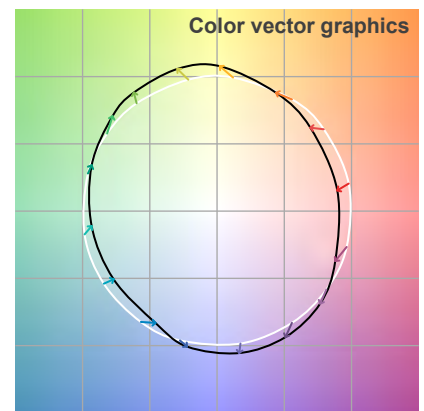
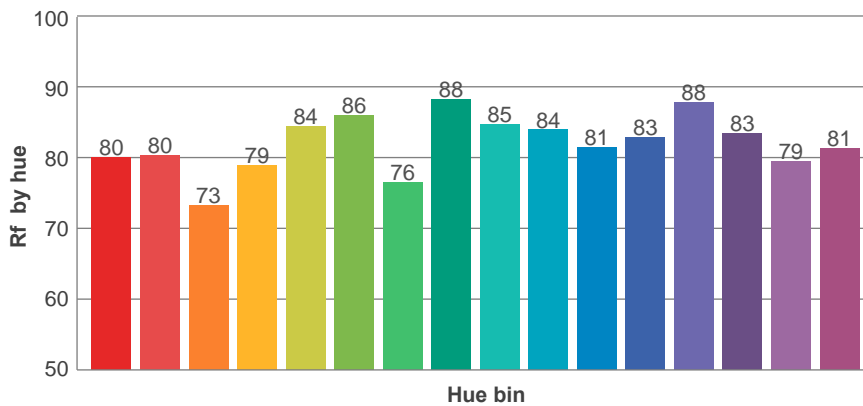
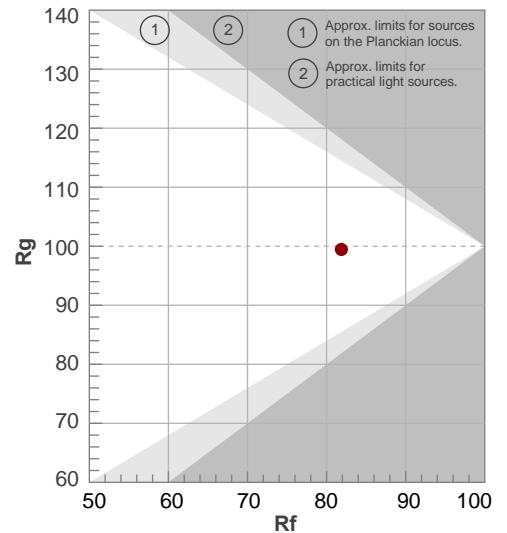
Rf 81.9

Fidelity index Rf

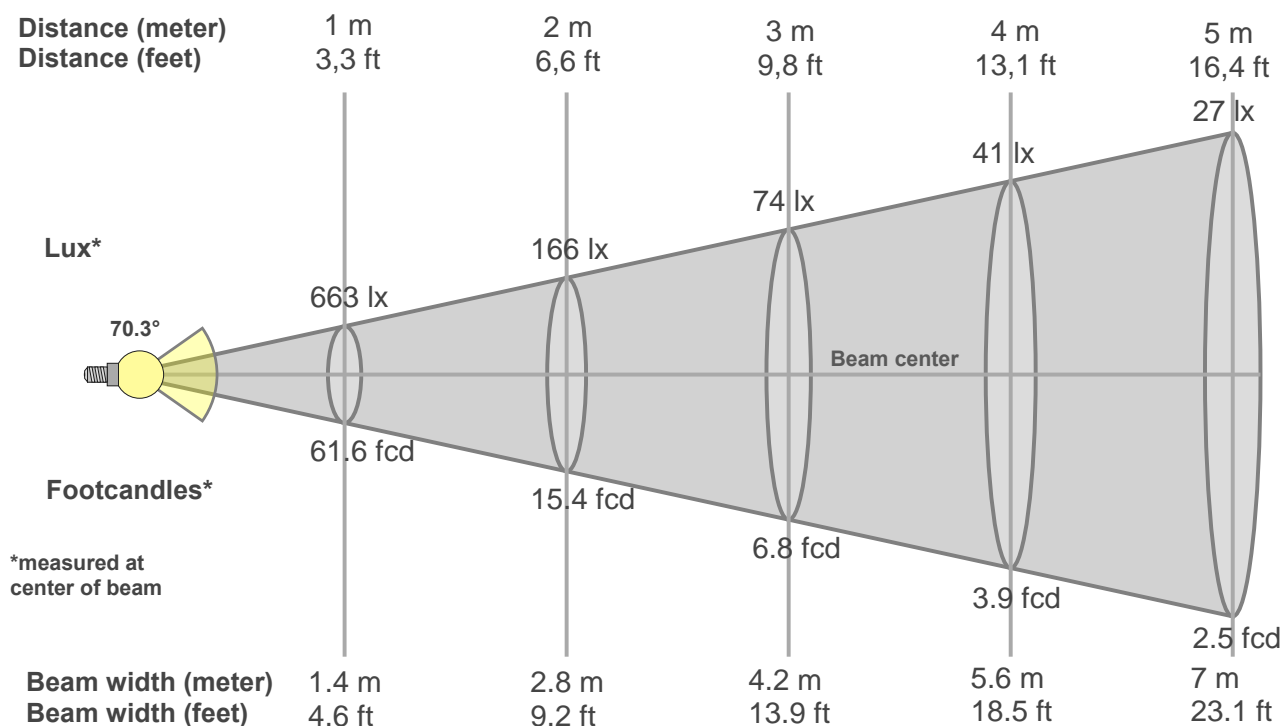
Rg 99.5

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	80	-9%	-3%
2	80	-8%	7%
3	73	-2%	13%
4	79	6%	11%
5	84	9%	6%
6	86	8%	-3%
7	76	4%	-13%
8	88	-2%	-7%
9	85	-6%	-5%
10	84	-8%	1%
11	81	-5%	9%
12	83	4%	6%
13	88	7%	-2%
14	83	6%	-10%
15	79	2%	-11%
16	81	-6%	-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
663lx	166lx	74lx	41lx	27lx	18lx	14lx	10lx	8lx	7lx	5lx	5lx	4lx	3lx	3lx	3lx	2lx	2lx	2lx	2lx
61.6fcd	15.4fcd	6.8fcd	3.9fcd	2.5fcd	1.7fcd	1.3fcd	1fcd	0.8fcd	0.6fcd	0.5fcd	0.4fcd	0.4fcd	0.3fcd	0.3fcd	0.2fcd	0.2fcd	0.2fcd	0.2fcd	0.2fcd

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°
663	652	656	666	674	672	670	670	671	673	678	683	693	704	712	714	715	648	571	465
100%	98%	99%	100%	102%	101%	101%	101%	101%	101%	102%	103%	105%	106%	107%	108%	108%	98%	86%	70%

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°
663	655	666	678	683	683	682	678	674	673	674	676	678	680	684	689	679	619	560	449
100%	99%	100%	102%	103%	103%	103%	102%	102%	102%	102%	102%	102%	103%	103%	104%	102%	93%	84%	68%

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°
663	666	672	677	680	681	681	679	677	677	680	682	686	689	693	698	692	633	574	459
100%	101%	101%	102%	103%	103%	103%	102%	102%	102%	103%	103%	103%	104%	105%	105%	104%	96%	87%	69%

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°
663	656	662	671	680	678	677	676	675	676	680	684	690	696	701	701	702	645	577	475
100%	99%	100%	101%	102%	102%	102%	102%	102%	102%	103%	103%	104%	105%	106%	106%	106%	97%	87%	72%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
70.3°	81.6°	119.5°	96.0%	92.4%