

Light efficiency:

68 Lumen/Watt

Light quality:

CRI: 82.3

Color temperature:

2916 K

Output: 2176 lm

Peak: 1763 cd

Power: 32.2 W

PF: 1.0



Beam angle

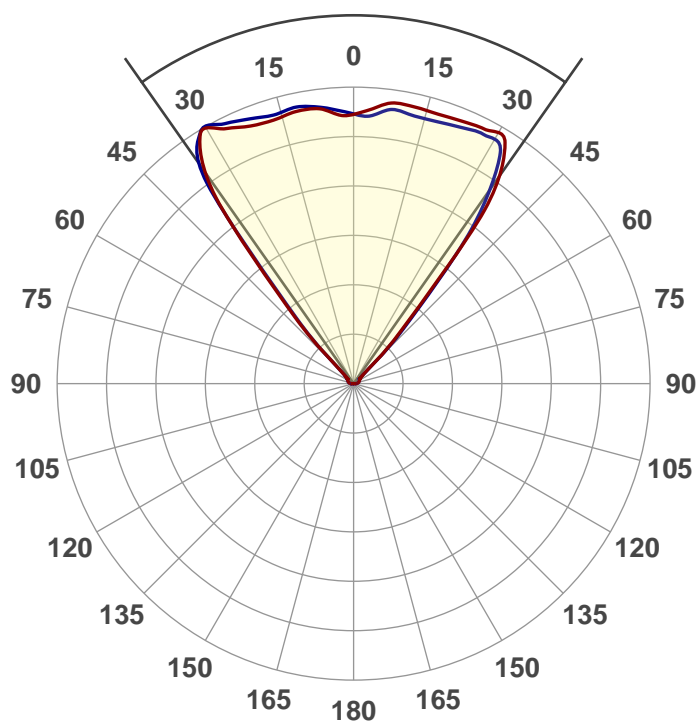
70.2°

Product name:

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

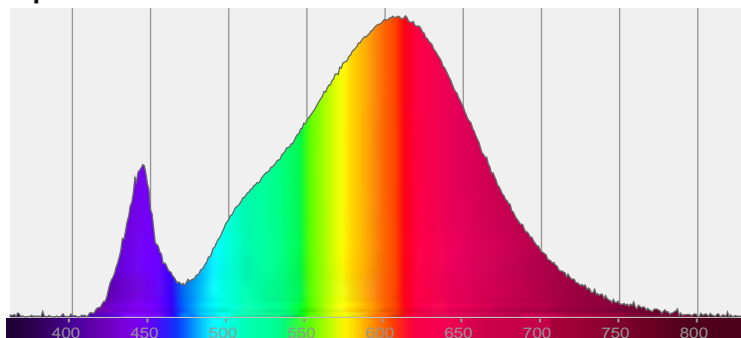
Date and time:

1/11/2018 1:11:03 PM

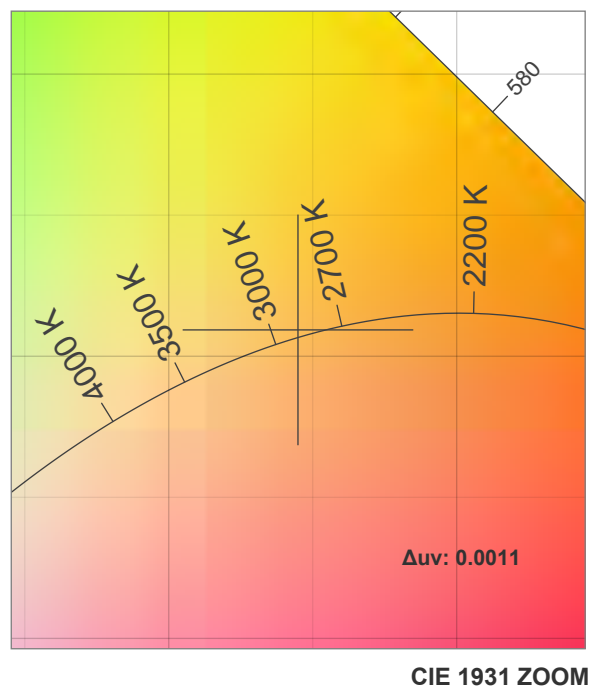
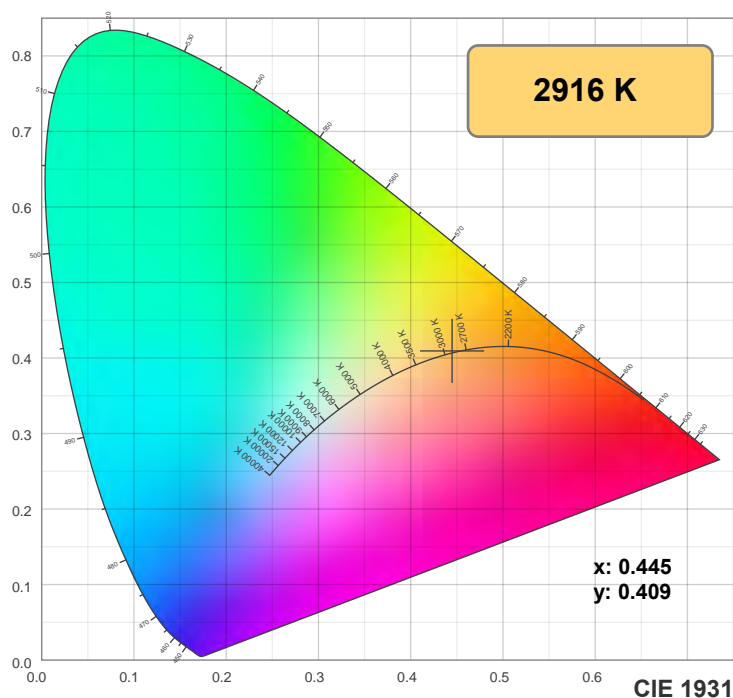


CIE 1931  
x: 0.445  
y: 0.409

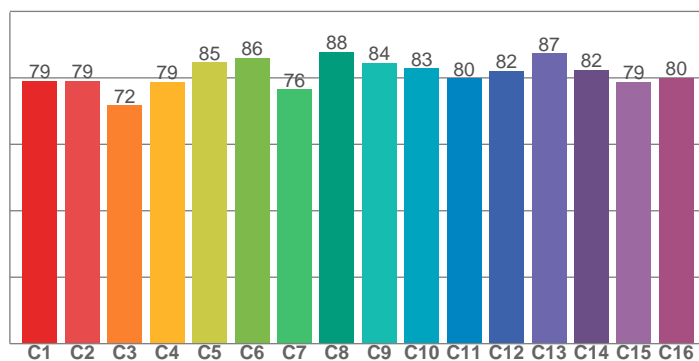
Spectra



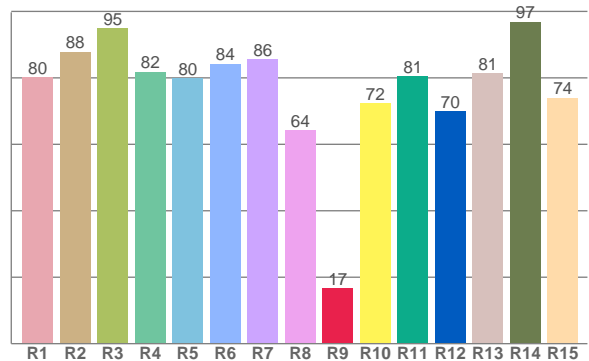
## Color details



**TM30: 81.1**



**CRI: 82.3 (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
80.3	87.8	95.0	81.8	79.8	84.2	85.6	64.1	16.7	72.4	80.5	69.8	81.4	96.9	74.0

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
79.0	79.0	71.7	78.7	84.6	86.1	76.5	87.8	84.5	82.9	79.8	82.0	87.4	82.4	78.8	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
2916 K	82.3	16.7	81.1	98.9	0.445	0.409	0.253	0.350	0.0011

## TM30 details

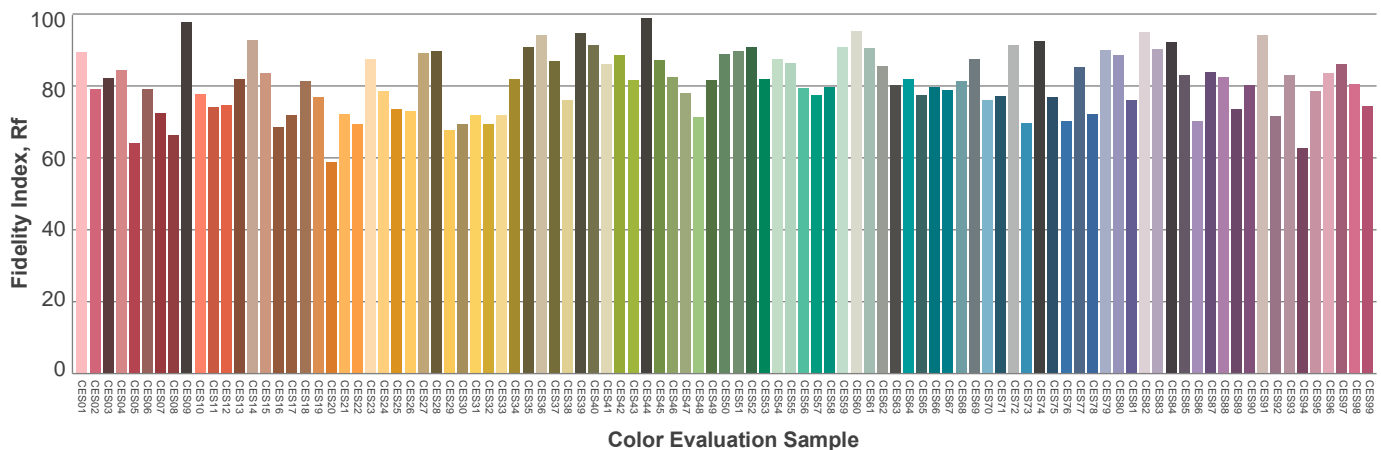
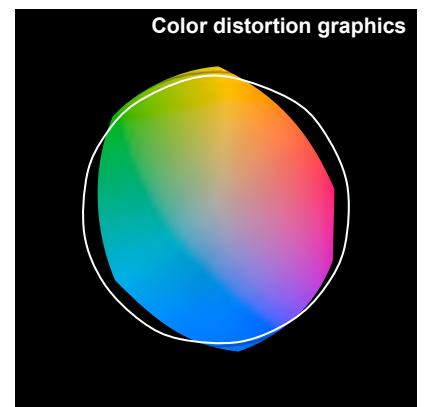
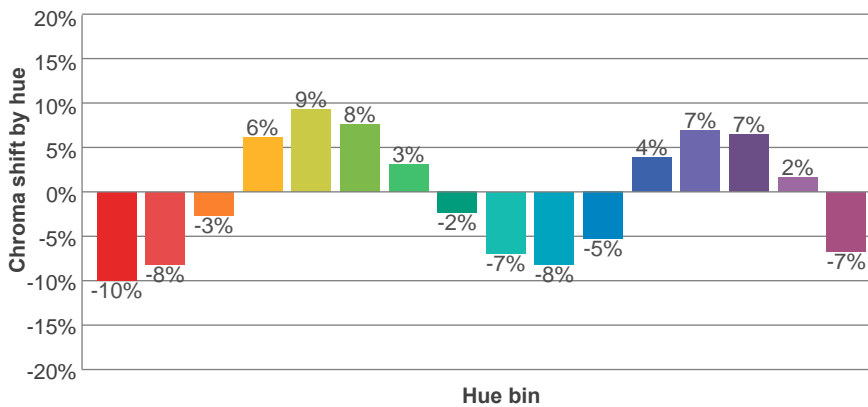
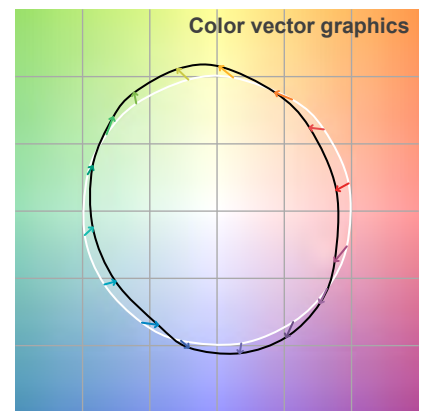
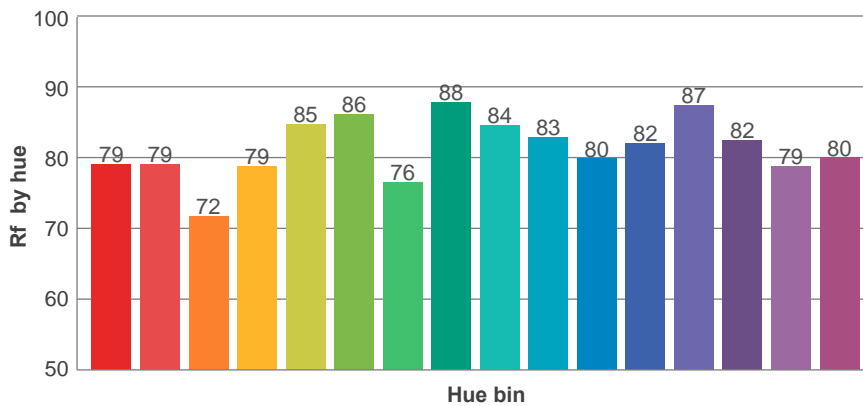
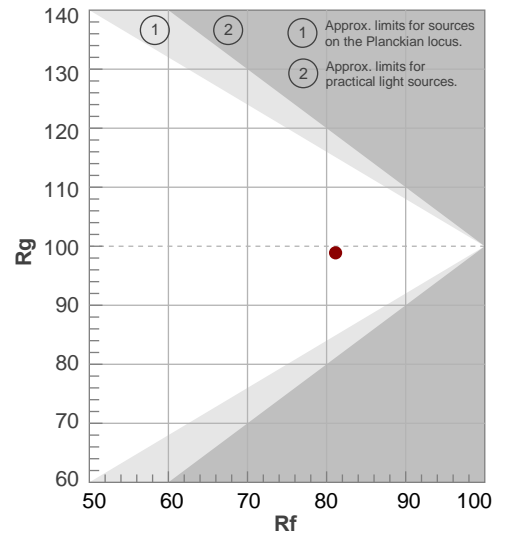
**Rf 81.1**

Fidelity index Rf

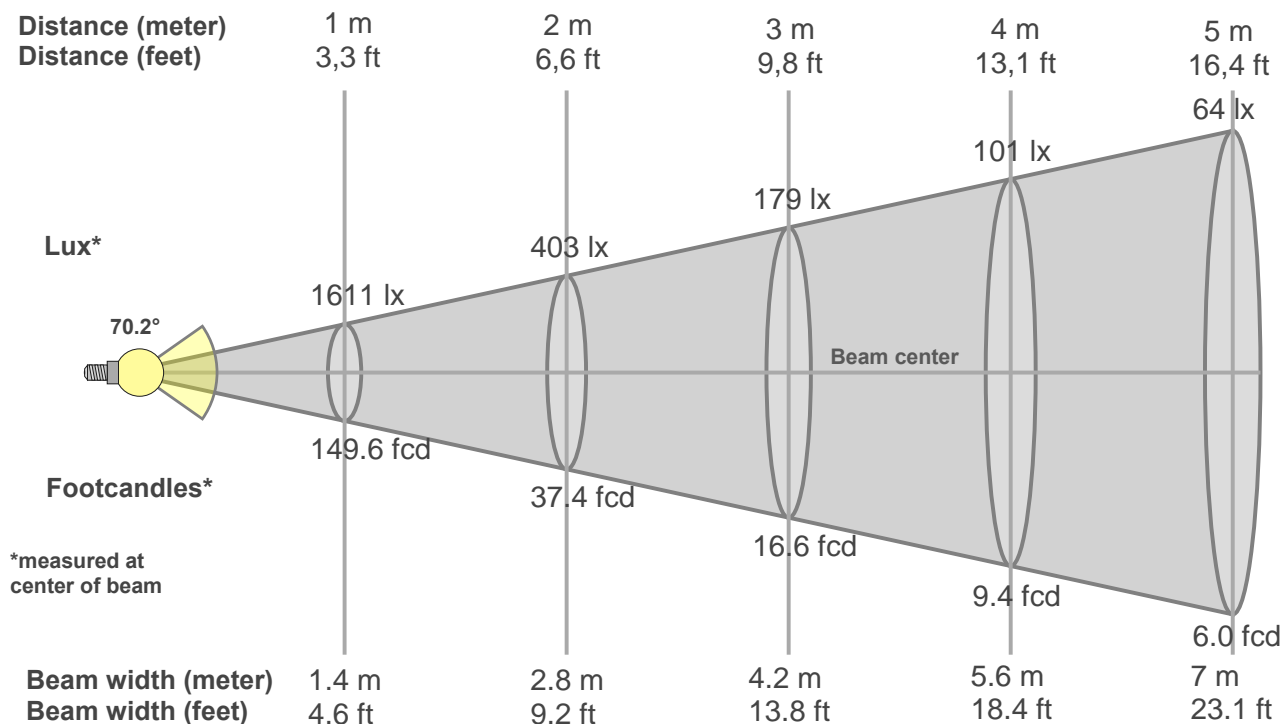
**Rg 98.9**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	79	-10%	-3%
2	79	-8%	7%
3	72	-3%	13%
4	79	6%	12%
5	85	9%	6%
6	86	8%	-3%
7	76	3%	-13%
8	88	-2%	-7%
9	84	-7%	-4%
10	83	-8%	3%
11	80	-5%	11%
12	82	4%	7%
13	87	7%	-3%
14	82	7%	-11%
15	79	2%	-12%
16	80	-7%	-13%



## 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
1611lx	403lx	179lx	101lx	64lx	45lx	33lx	25lx	20lx	16lx	13lx	11lx	10lx	8lx	7lx	6lx	6lx	5lx	4lx	4lx
149.6fcd	37.4fcd	16.6fcd	9.4fcd	6fcd	4.2fcd	3.1fcd	2.3fcd	1.8fcd	1.5fcd	1.2fcd	1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	0.5fcd	0.5fcd	0.4fcd	0.4fcd

### 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°
1611	1599	1617	1638	1651	1654	1657	1650	1643	1643	1648	1655	1674	1693	1712	1730	1713	1565	1416	1119
100%	99%	100%	102%	103%	103%	103%	102%	102%	102%	102%	103%	104%	105%	106%	107%	106%	97%	88%	69%

### 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°
1611	1621	1637	1652	1664	1674	1682	1676	1671	1677	1687	1698	1712	1726	1737	1748	1715	1602	1489	1124
100%	101%	102%	103%	103%	104%	104%	104%	104%	104%	105%	105%	106%	107%	108%	109%	106%	99%	92%	70%

### 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°
1611	1623	1643	1667	1687	1687	1687	1686	1684	1683	1687	1691	1696	1701	1703	1700	1696	1544	1381	1125
100%	101%	102%	103%	105%	105%	105%	105%	105%	105%	105%	105%	105%	106%	106%	106%	105%	96%	86%	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°
1611	1601	1606	1628	1649	1643	1637	1636	1637	1639	1646	1652	1660	1668	1670	1651	1633	1480	1288	1063
100%	99%	100%	101%	102%	102%	102%	102%	102%	102%	102%	103%	103%	104%	104%	103%	101%	92%	80%	66%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
70.2°	82.5°	122°	95.8%	92.1%