

Light efficiency:

68 Lumen/Watt

Light quality:

CRI: 82.1

Color temperature:

2934 K

Output: 2207 lm

Peak: 1675 cd

Power: 32.2 W

PF: 1.0



Beam angle

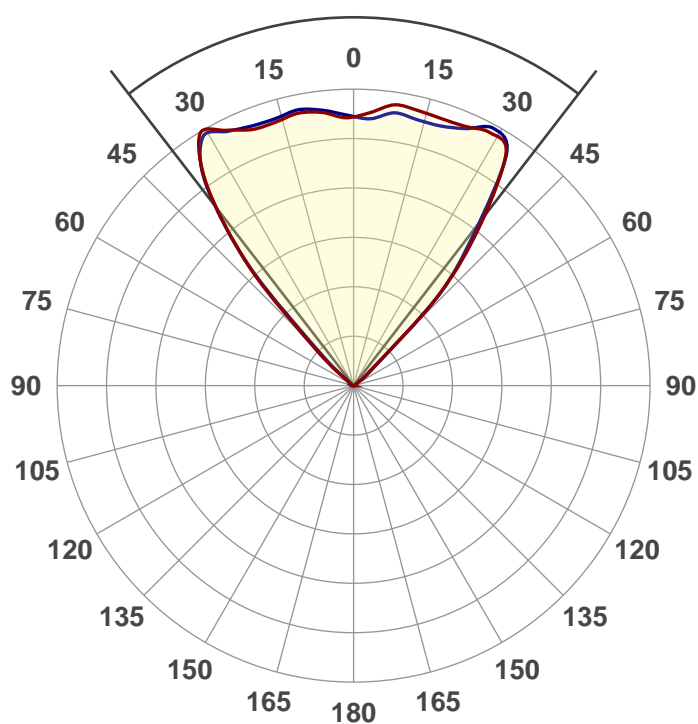
75.3°

Product name:

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

Date and time:

1/11/2018 1:06:15 PM

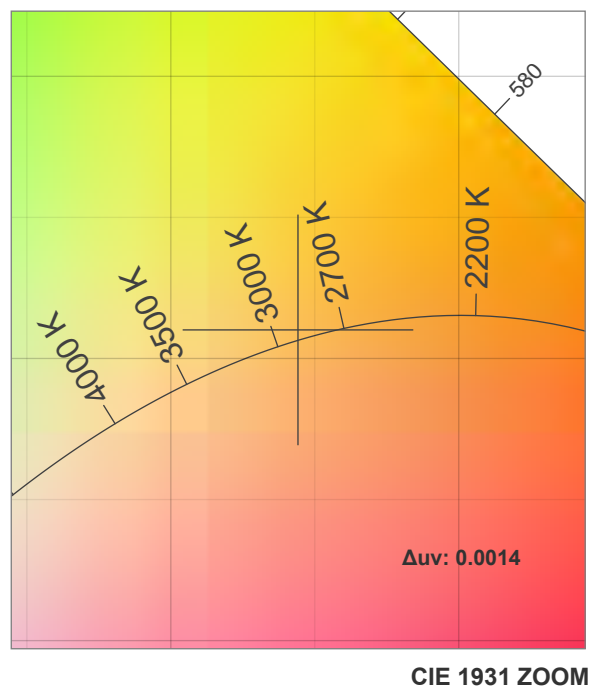
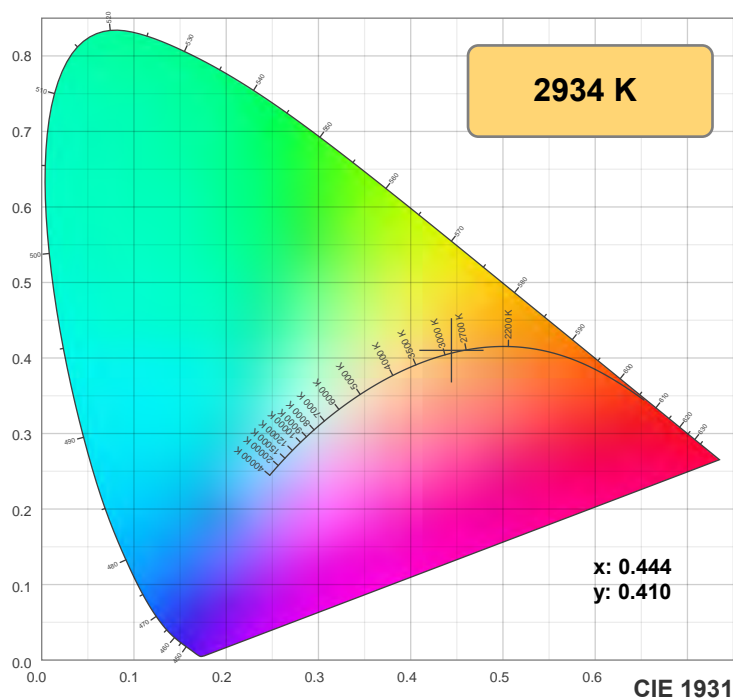


CIE 1931  
x: 0.444  
y: 0.410

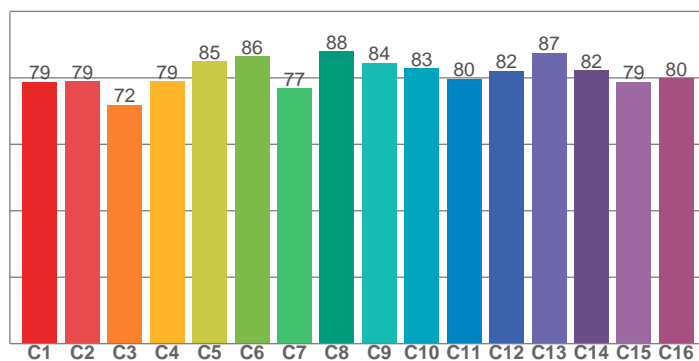
Spectra



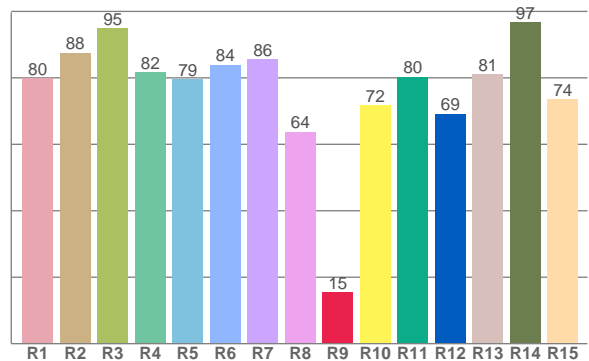
## Color details



**TM30: 81.2**



**CRI: 82.1 (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
79.9	87.6	94.9	81.7	79.5	83.9	85.6	63.8	15.4	71.8	80.3	69.2	81.1	96.8	73.5

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
78.8	78.9	71.9	79.0	84.9	86.4	76.8	88.0	84.5	82.8	79.7	82.1	87.5	82.3	78.8	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
2934 K	82.1	15.4	81.2	98.6	0.444	0.410	0.253	0.350	0.0014

## TM30 details

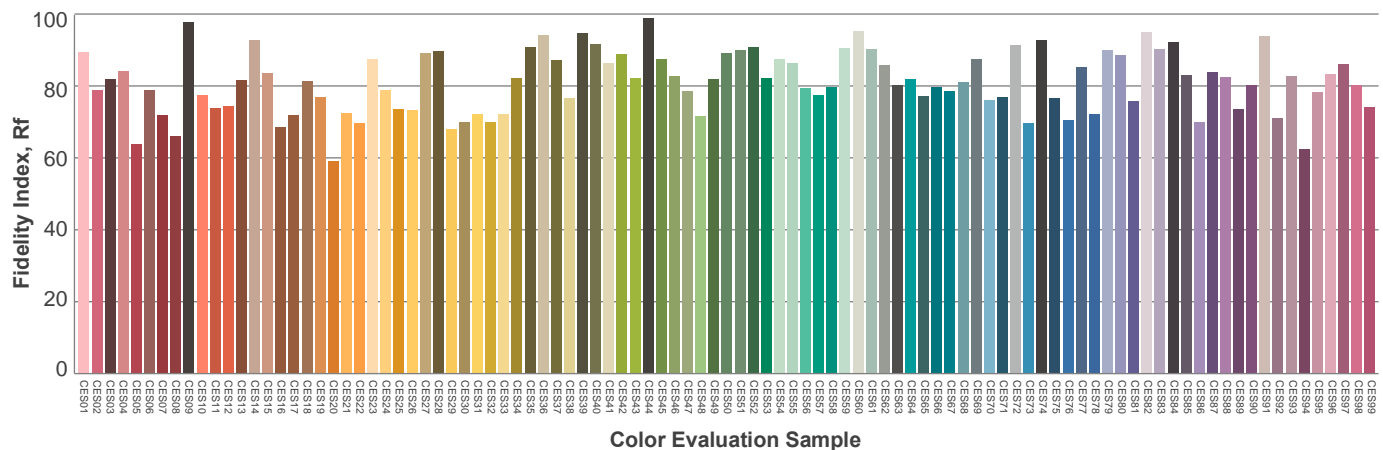
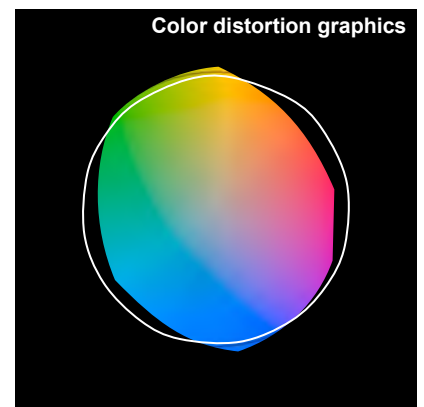
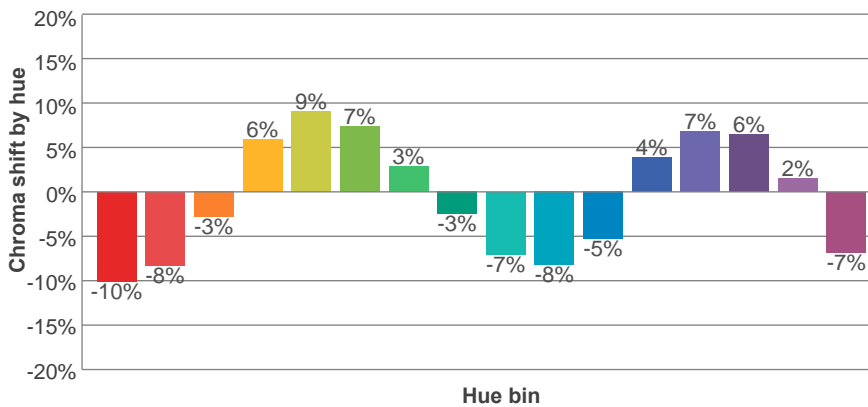
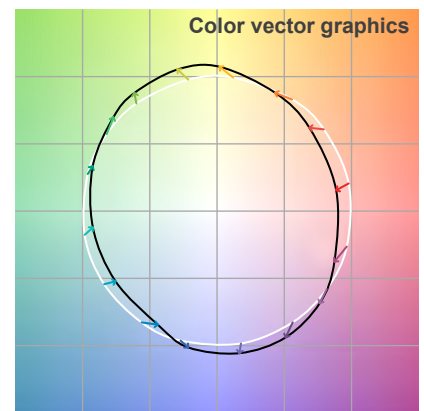
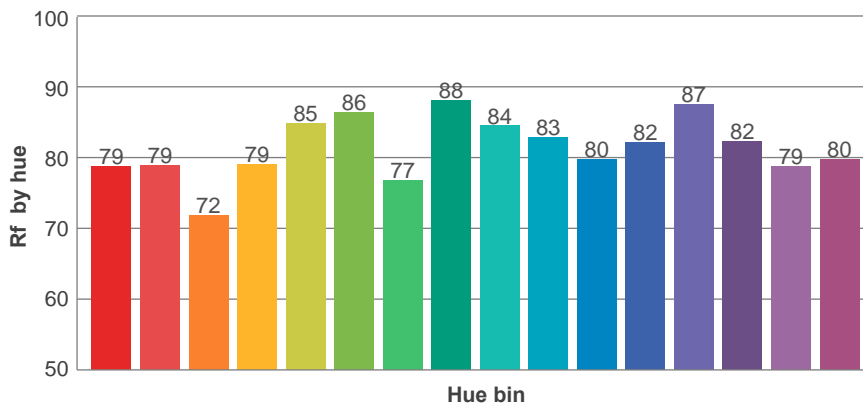
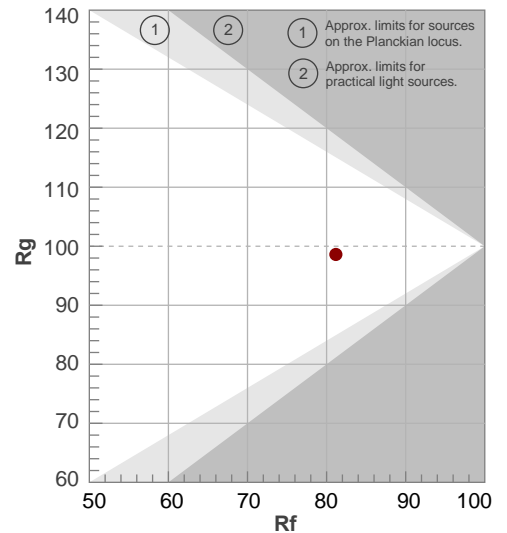
**Rf 81.2**

Fidelity index Rf

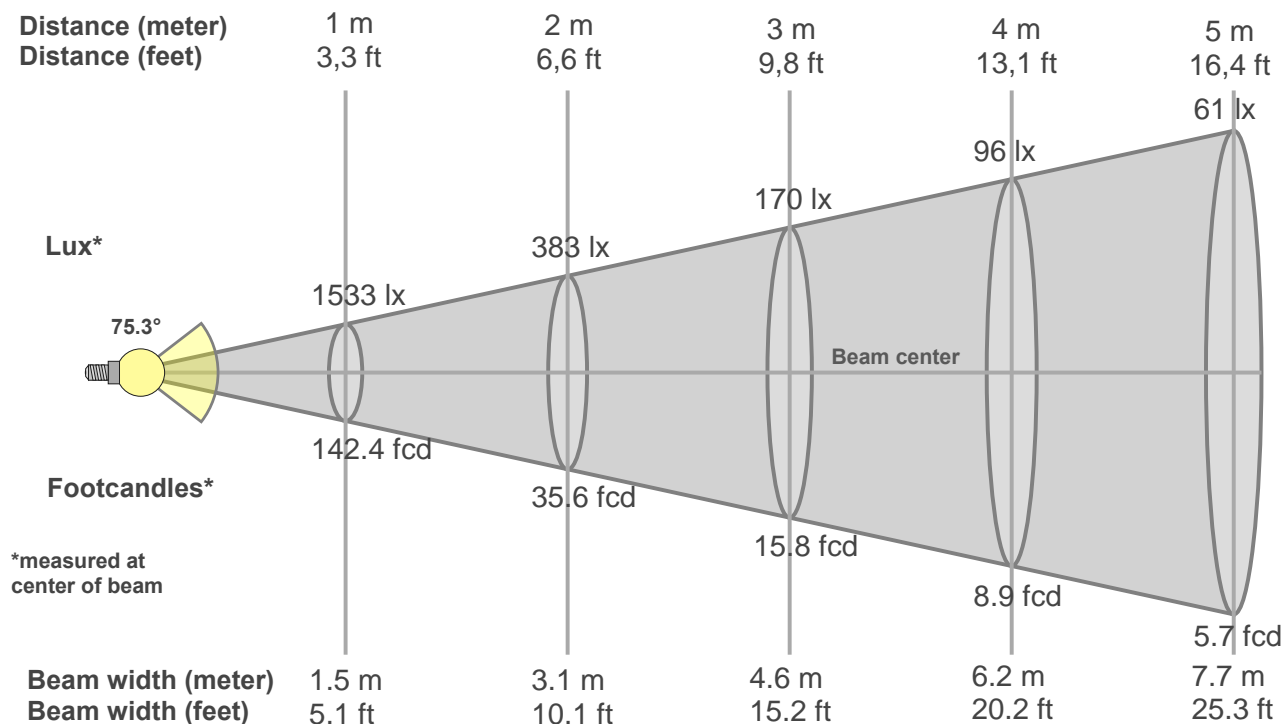
**Rg 98.6**

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%	11%
5	85	9%	6%
6	86	7%	-3%
7	77	3%	-13%
8	88	-3%	-6%
9	84	-7%	-4%
10	83	-8%	3%
11	80	-5%	11%
12	82	4%	7%
13	87	7%	-3%
14	82	6%	-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
1533lx	383lx	170lx	96lx	61lx	43lx	31lx	24lx	19lx	15lx	13lx	11lx	9lx	8lx	7lx	6lx	5lx	5lx	4lx	4lx
142.4fcd	35.6fcd	15.8fcd	8.9fcd	5.7fcd	4fcd	2.9fcd	2.2fcd	1.8fcd	1.4fcd	1.2fcd	1fcd	0.8fcd	0.7fcd	0.6fcd	0.6fcd	0.5fcd	0.4fcd	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°
1533	1526	1543	1559	1568	1575	1579	1571	1564	1563	1564	1571	1594	1616	1638	1659	1645	1532	1418	1235
100%	100%	101%	102%	102%	103%	103%	102%	102%	102%	102%	102%	104%	105%	107%	108%	107%	100%	93%	81%

### 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°
1533	1543	1558	1572	1583	1593	1597	1590	1583	1583	1584	1589	1600	1611	1627	1643	1618	1525	1432	1232
100%	101%	102%	103%	103%	104%	104%	104%	103%	103%	103%	104%	104%	105%	106%	107%	105%	99%	93%	80%

### 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°
1533	1545	1561	1585	1610	1611	1608	1605	1602	1598	1600	1603	1609	1621	1632	1616	1596	1517	1351	1185
100%	101%	102%	103%	105%	105%	105%	105%	104%	104%	104%	105%	105%	106%	106%	105%	104%	99%	88%	77%

### 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°
1533	1526	1524	1544	1563	1564	1559	1554	1555	1556	1568	1582	1601	1629	1658	1638	1603	1523	1331	1139
100%	100%	99%	101%	102%	102%	102%	101%	101%	102%	102%	103%	104%	106%	108%	107%	105%	99%	87%	74%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
75.3°	88°	105.3°	98.9%	95.6%