

Light efficiency:

**61 Lumen/Watt**

Light quality:

**CRI: 82.3**

Color temperature:

**2946 K**

**Output: 1216 lm**

**Peak: 708 cd**

**Power: 19.8 W**

**PF: 0.99**



Beam angle

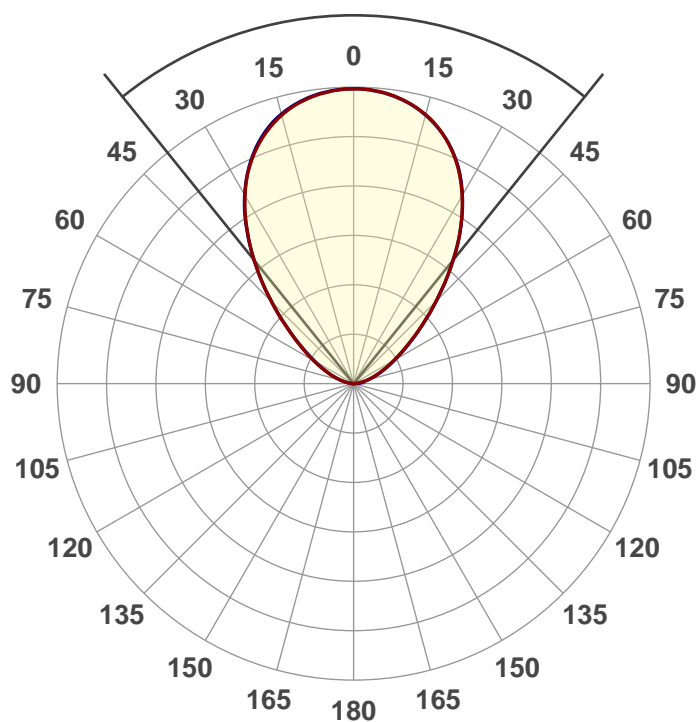
**77.7°**

Product name:

**608QA-6-XTM19-20LM-30K-83-  
UNV-DIM10-WH-S-TDFS**

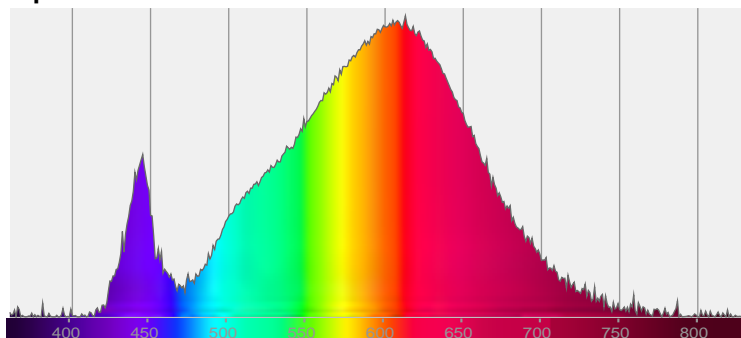
Date and time:

**1/11/2018 3:40:32 PM**

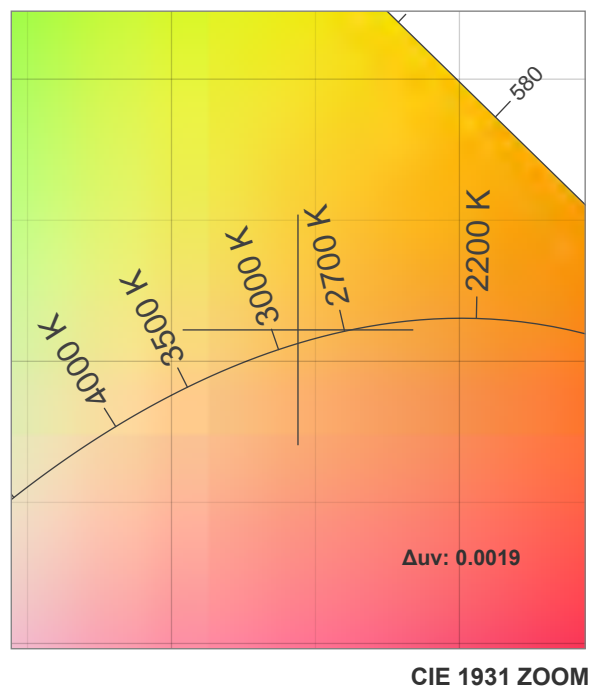
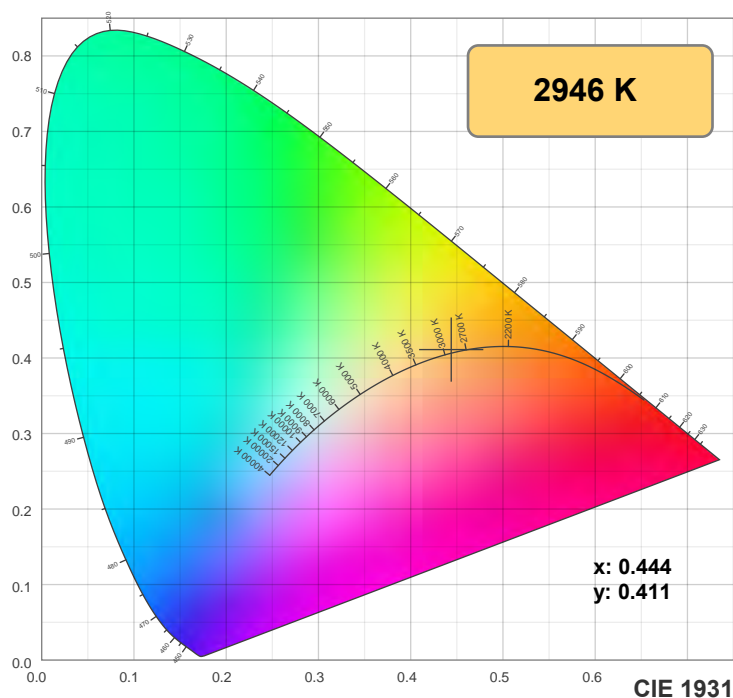


**CIE 1931  
x: 0.444  
y: 0.411**

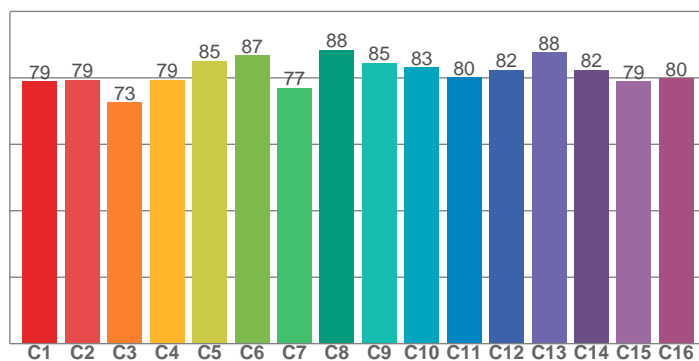
**Spectra**



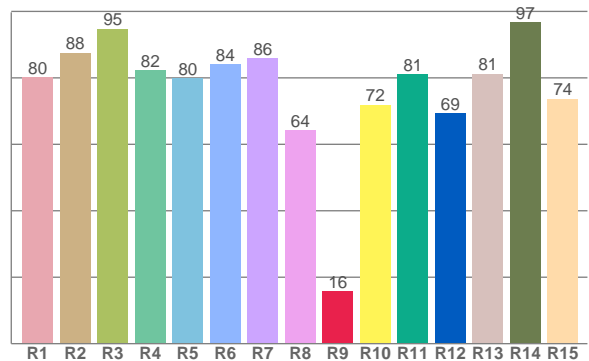
## Color details



TM30: 81.4



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
80.2	87.6	94.8	82.2	79.8	84.0	85.8	64.2	15.8	71.9	81.1	69.3	81.2	96.7	73.7

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	79.4	72.6	79.3	85.1	86.7	76.9	88.4	84.6	83.1	80.2	82.4	87.6	82.4	78.9	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
2946 K	82.3	15.8	81.4	98.6	0.444	0.411	0.252	0.350	0.0019

## TM30 details

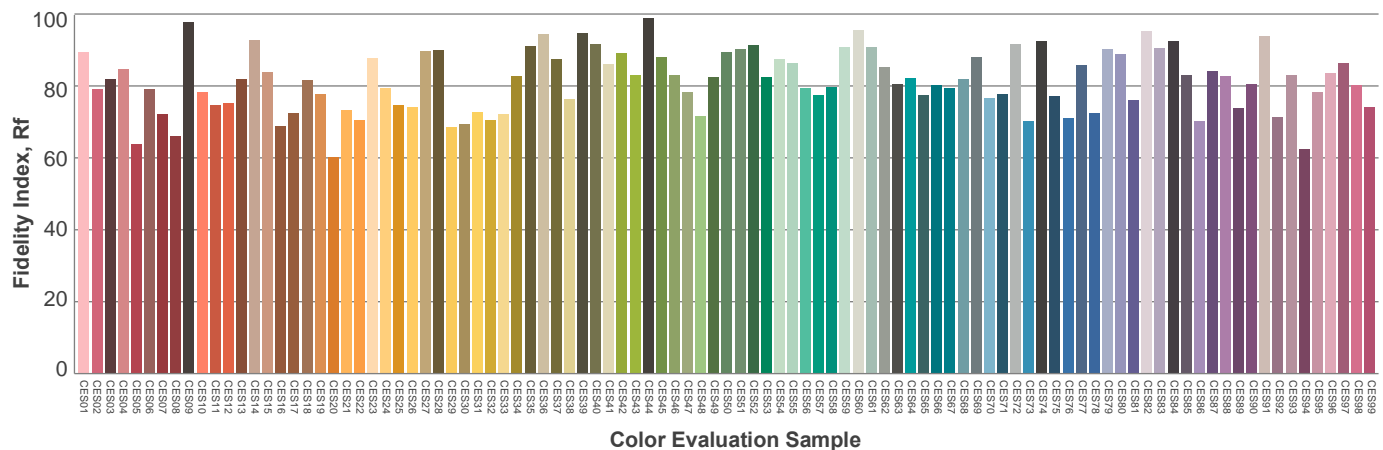
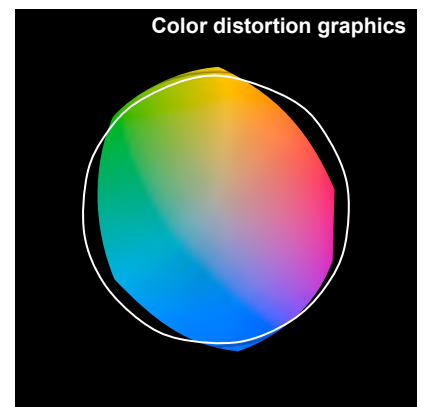
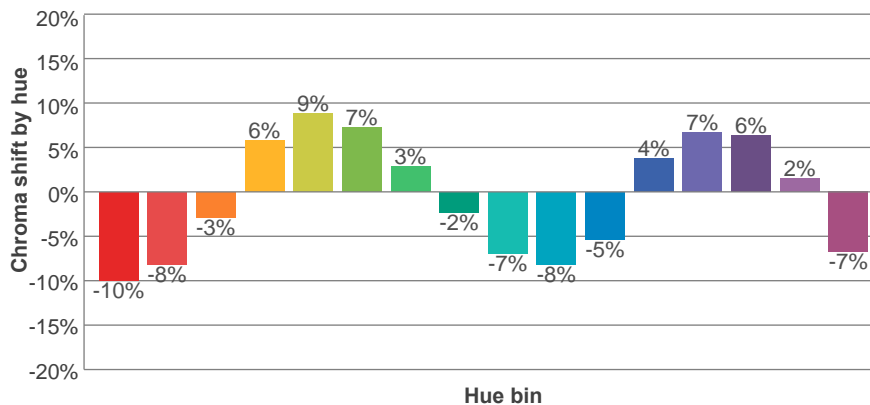
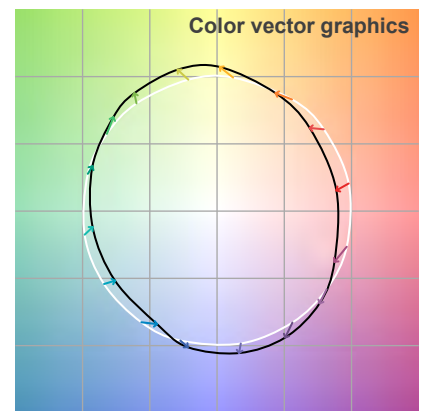
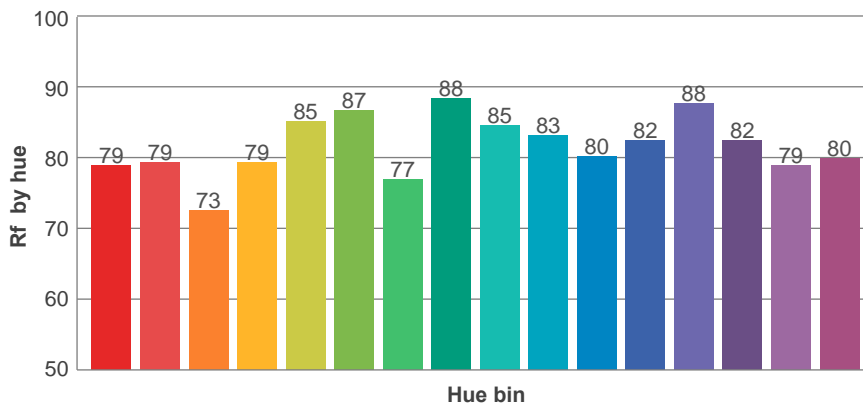
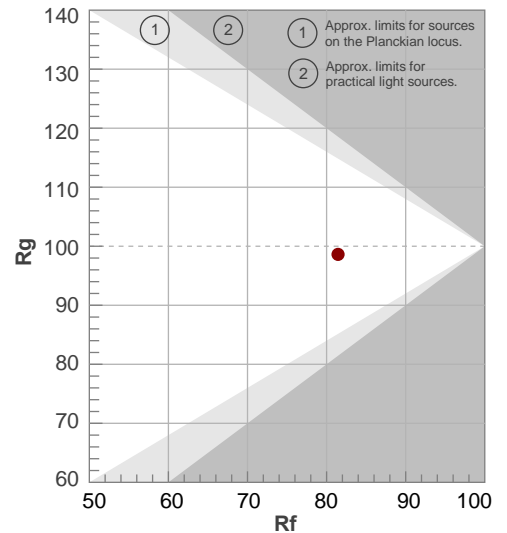
**Rf 81.4**

Fidelity index Rf

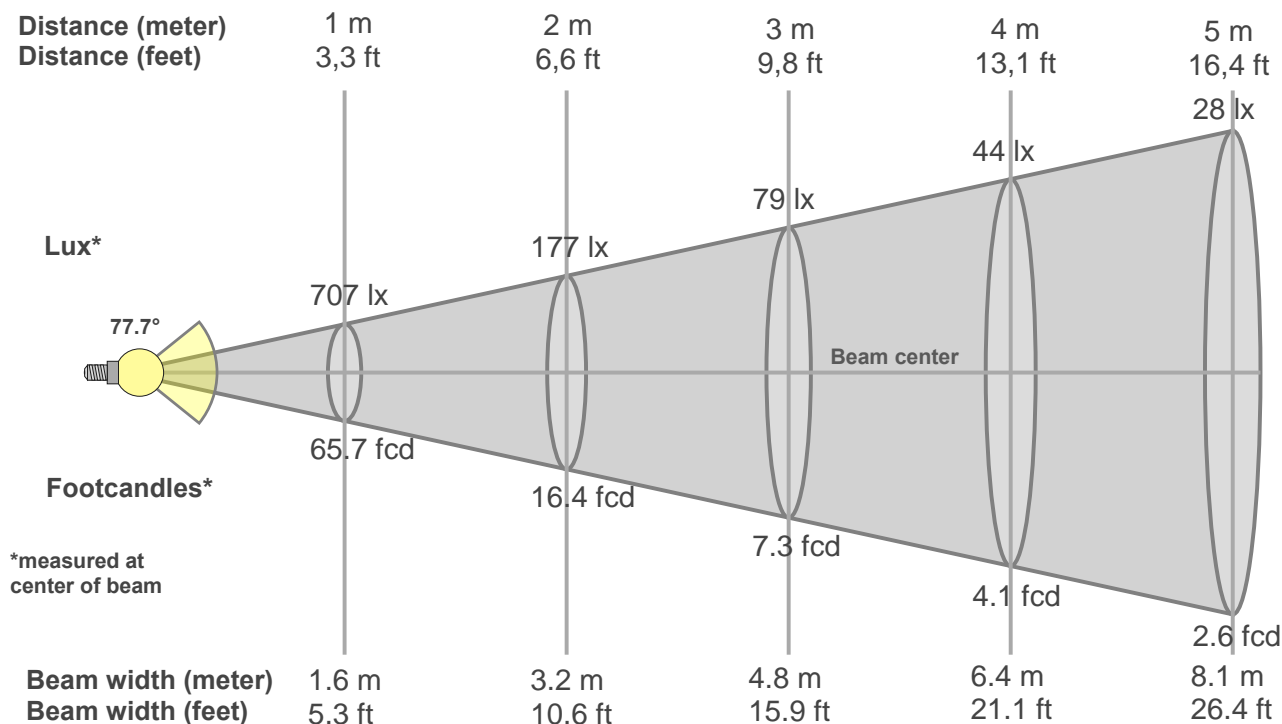
**Rg 98.6**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	79	-10%	-3%
2	79	-8%	7%
3	73	-3%	13%
4	79	6%	11%
5	85	9%	6%
6	87	7%	-3%
7	77	3%	-13%
8	88	-2%	-6%
9	85	-7%	-4%
10	83	-8%	2%
11	80	-5%	11%
12	82	4%	6%
13	88	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
707lx	177lx	79lx	44lx	28lx	20lx	14lx	11lx	9lx	7lx	6lx	5lx	4lx	4lx	3lx	3lx	2lx	2lx	2lx	2lx
65.7fcd	16.4fcd	7.3fcd	4.1fcd	2.6fcd	1.8fcd	1.3fcd	1fcd	0.8fcd	0.7fcd	0.5fcd	0.5fcd	0.4fcd	0.3fcd	0.3fcd	0.3fcd	0.2fcd	0.2fcd	0.2fcd	0.2fcd

### Intensities in 0° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
707	702	689	666	631	583	520	444	362	281	210	155	113	79	54	34	18	7	0	0
100%	99%	97%	94%	89%	82%	74%	63%	51%	40%	30%	22%	16%	11%	8%	5%	3%	1%	0%	0%

### Intensities in 90° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
707	703	691	669	634	585	522	445	362	280	208	151	109	76	52	32	16	5	0	0
100%	99%	98%	95%	90%	83%	74%	63%	51%	40%	29%	21%	15%	11%	7%	5%	2%	1%	0%	0%

### Intensities in 180° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
707	703	690	668	632	584	520	445	362	281	211	155	113	80	55	35	19	7	1	0
100%	99%	98%	94%	89%	83%	74%	63%	51%	40%	30%	22%	16%	11%	8%	5%	3%	1%	0%	0%

### Intensities in 270° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
707	703	689	666	632	585	521	445	362	281	212	157	115	82	57	37	20	8	1	0
100%	99%	98%	94%	89%	83%	74%	63%	51%	40%	30%	22%	16%	12%	8%	5%	3%	1%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
77.7°	131°	159.7°	90.5%	72.9%