

Light efficiency:

**58 Lumen/Watt**

Light quality:

**CRI: 79.2**

Color temperature:

**2970 K**

**Output: 2637 lm**

**Peak: 1537 cd**

**Power: 45.8 W**

**PF: 1.0**



Beam angle

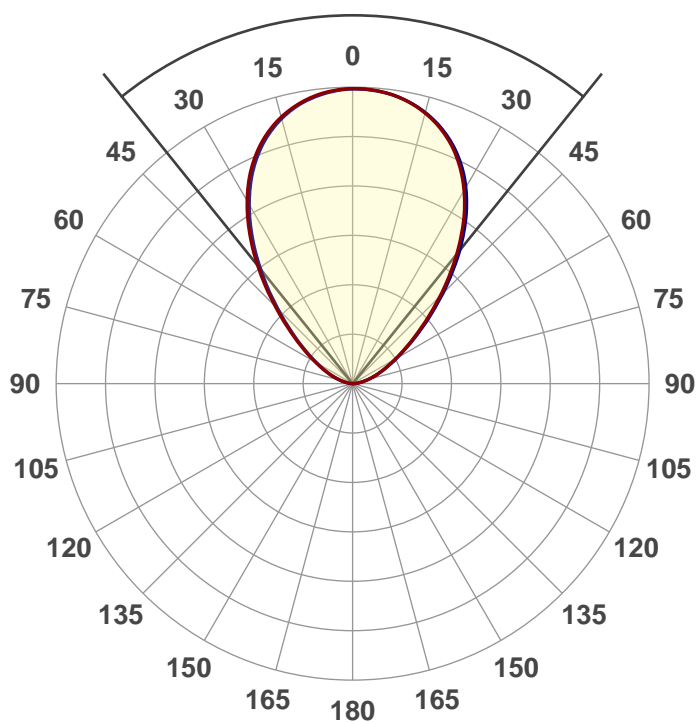
**77.6°**

Product name:

**608QA-6-XTM19-40LM-30K-83-UNV-DIM10-WH-TDFS**

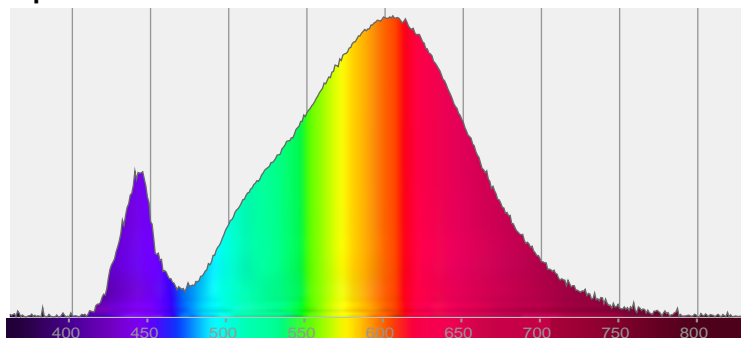
Date and time:

**1/16/2018 9:32:36 AM**

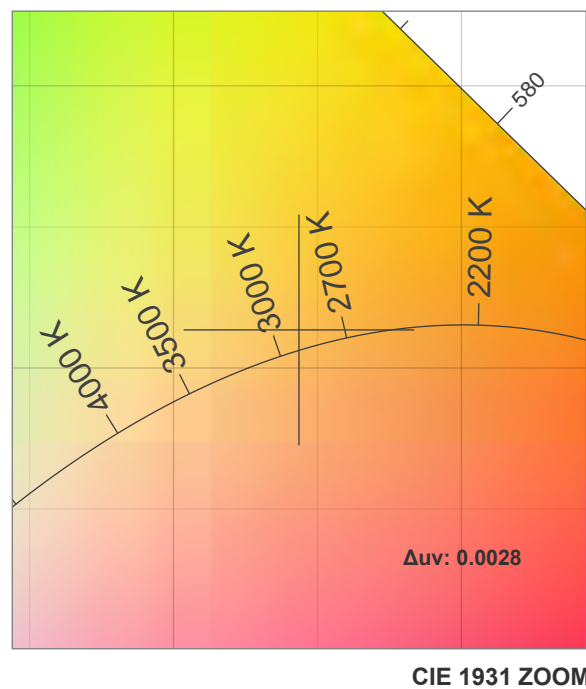
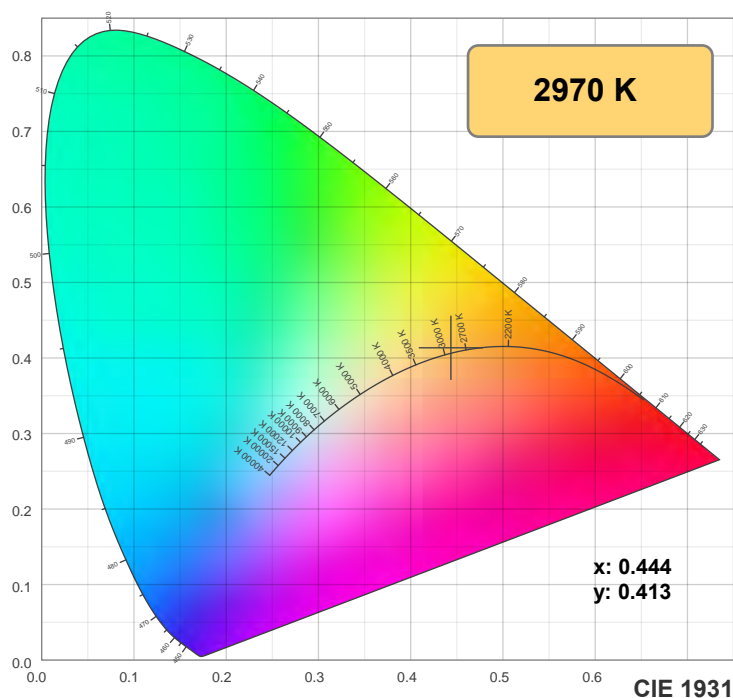


**CIE 1931**  
**x: 0.444**  
**y: 0.413**

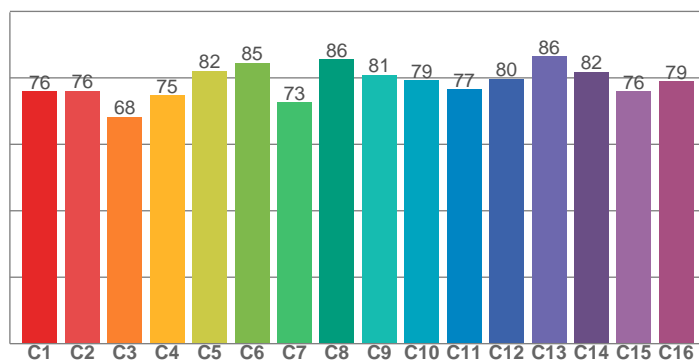
**Spectra**



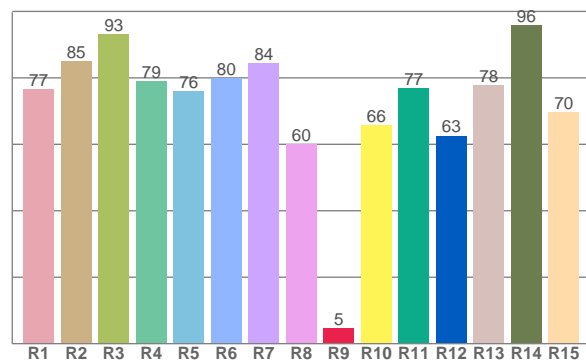
## Color details



**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	84.9	93.1	79.0	75.9	79.9	84.4	60.0	4.6	65.7	76.8	62.6	77.7	95.7	69.6

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
75.9	76.0	68.2	74.8	82.1	84.5	72.6	85.5	81.0	79.2	76.6	79.7	86.5	81.8	75.9	78.9

## 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	Δuv
2970 K	79.2	4.6	78.4	97.8	0.444	0.413	0.251	0.351	0.0028

## TM30 details

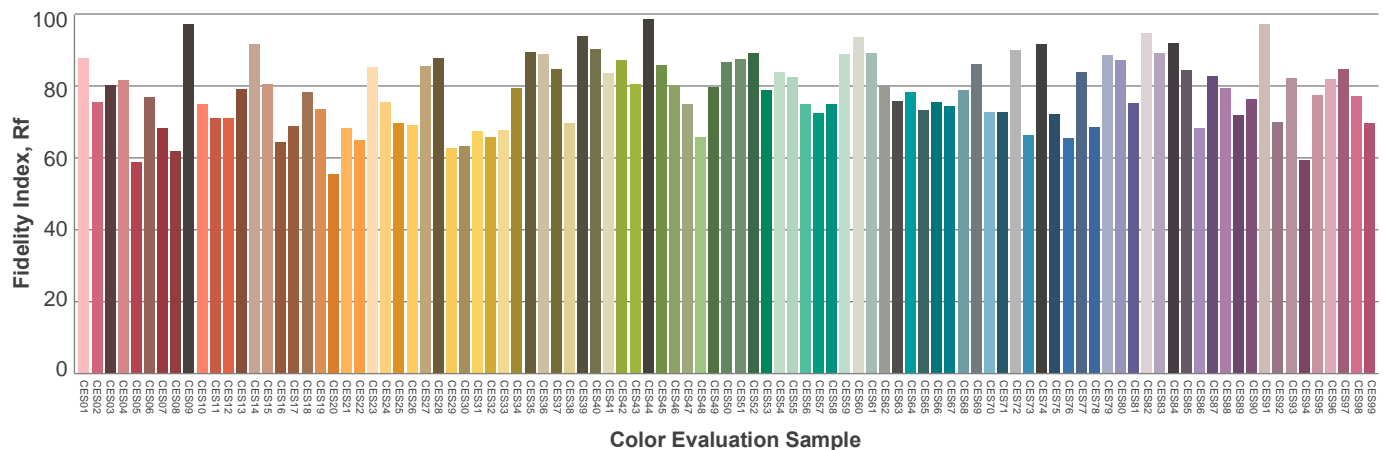
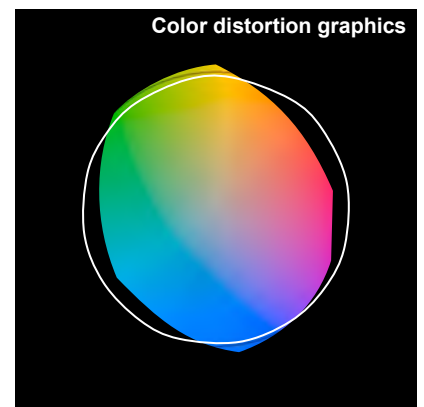
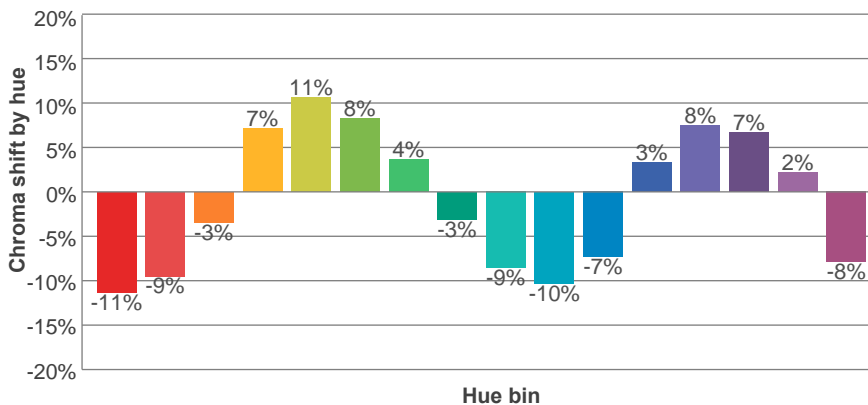
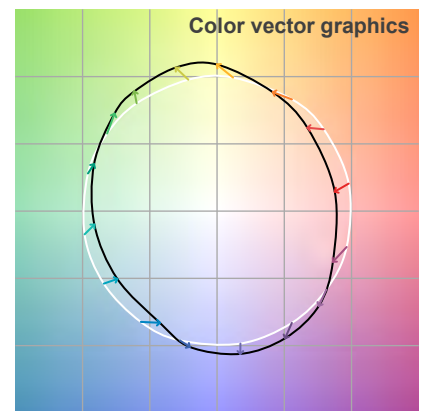
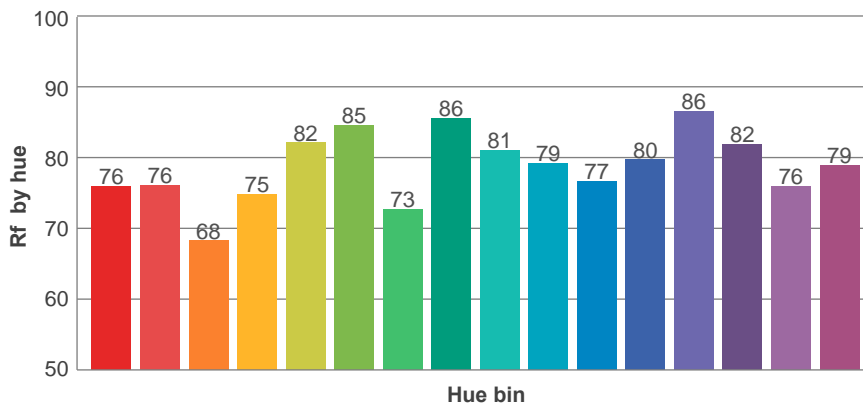
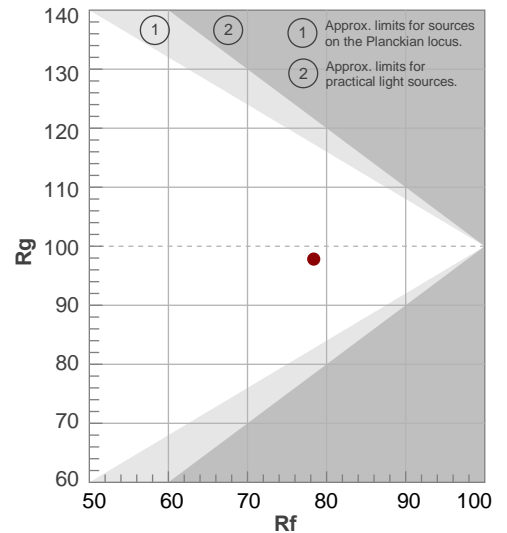
**Rf 78.4**

Fidelity index Rf

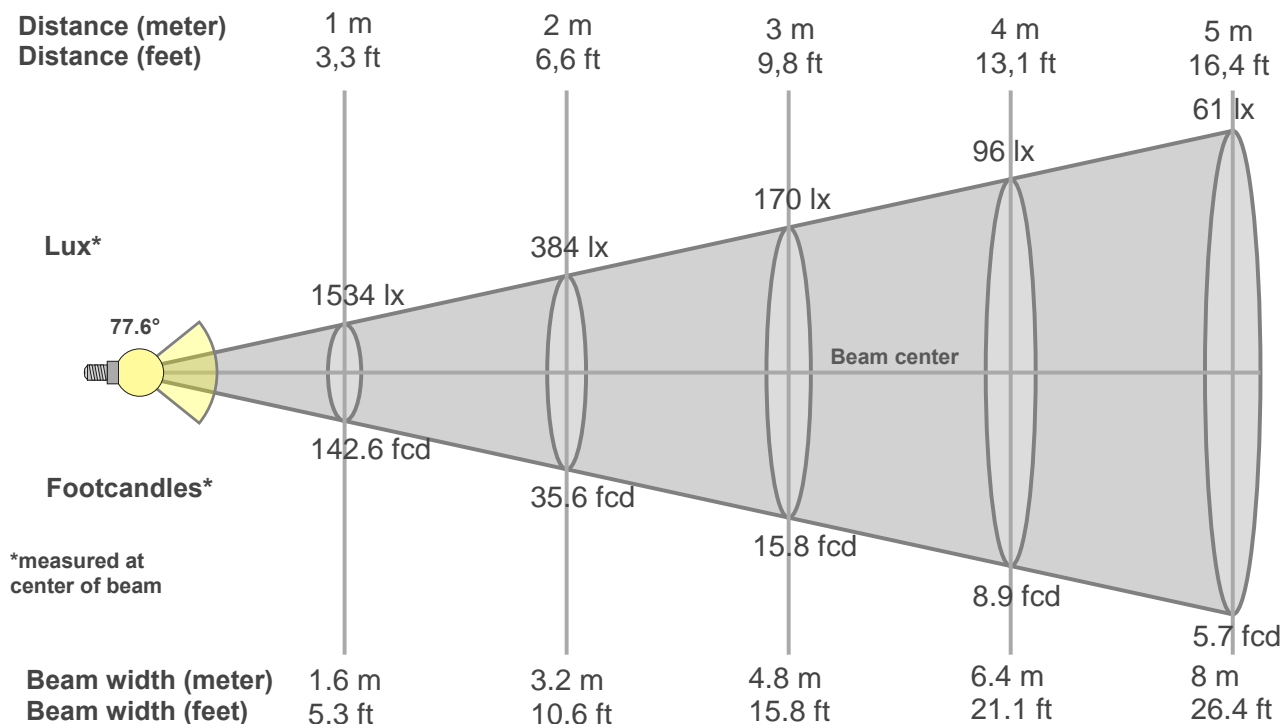
**Rg 97.8**

Gammut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	76	-11%	-4%
2	76	-9%	8%
3	68	-3%	15%
4	75	7%	14%
5	82	11%	7%
6	85	8%	-4%
7	73	4%	-15%
8	86	-3%	-8%
9	81	-9%	-6%
10	79	-10%	3%
11	77	-7%	12%
12	80	3%	8%
13	86	8%	-2%
14	82	7%	-11%
15	76	2%	-13%
16	79	-8%	-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
1534lx	384lx	170lx	96lx	61lx	43lx	31lx	24lx	19lx	15lx	13lx	11lx	9lx	8lx	7lx	6lx	5lx	5lx	4lx	4lx
142.6fcd	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°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
1534	1524	1491	1435	1353	1241	1097	927	747	574	427	313	225	159	106	66	33	11	2	0
100%	99%	97%	94%	88%	81%	71%	60%	49%	37%	28%	20%	15%	10%	7%	4%	2%	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°
1534	1520	1486	1427	1342	1224	1076	904	723	554	413	302	218	156	105	66	34	13	2	0
100%	99%	97%	93%	87%	80%	70%	59%	47%	36%	27%	20%	14%	10%	7%	4%	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°
1534	1529	1504	1457	1387	1288	1159	1000	823	647	488	360	262	187	131	85	49	21	3	0
100%	100%	98%	95%	90%	84%	76%	65%	54%	42%	32%	23%	17%	12%	9%	6%	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°
1534	1528	1505	1460	1394	1301	1177	1022	846	666	503	369	266	190	132	85	48	20	3	0
100%	100%	98%	95%	91%	85%	77%	67%	55%	43%	33%	24%	17%	12%	9%	6%	3%	1%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
77.6°	130.9°	160.2°	90.4%	72.9%