

Light efficiency:

74 Lumen/Watt

Light quality:

CRI: 82.9

Color temperature:

2918 K

Output: 1484 lm

Peak: 1147 cd

Power: 19.9 W

PF: 0.99



Beam angle

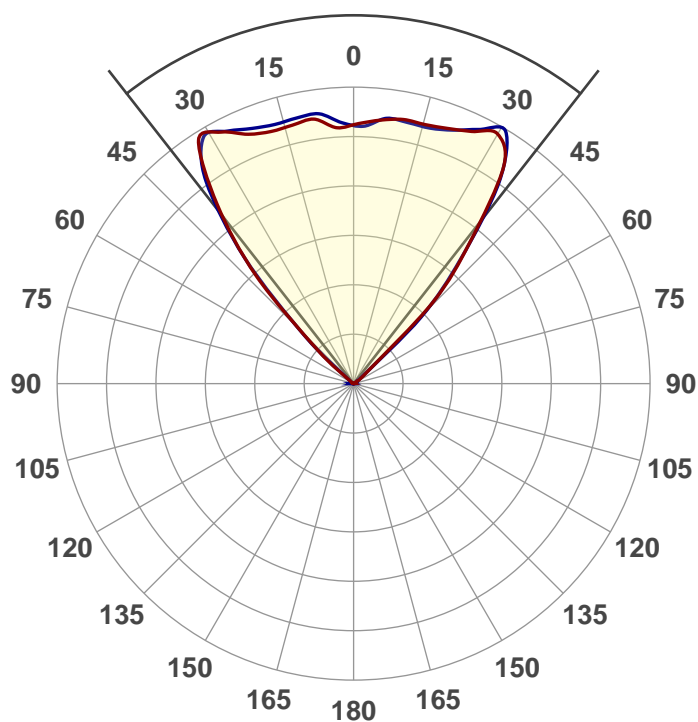
76.1°

Product name:

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

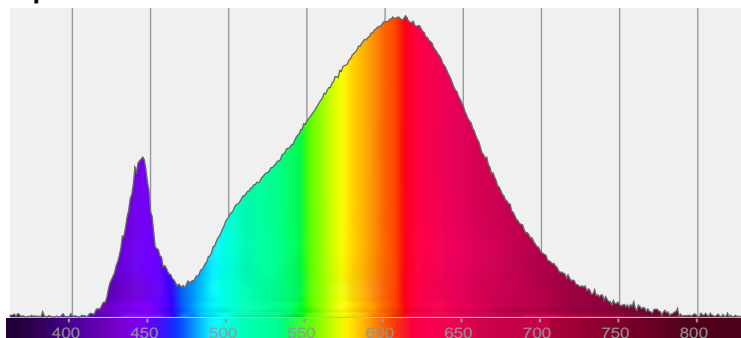
Date and time:

1/11/2018 3:35:11 PM

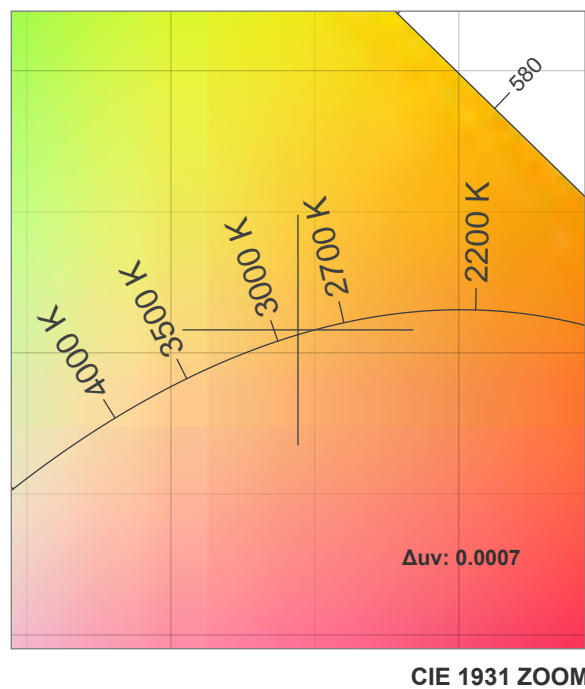
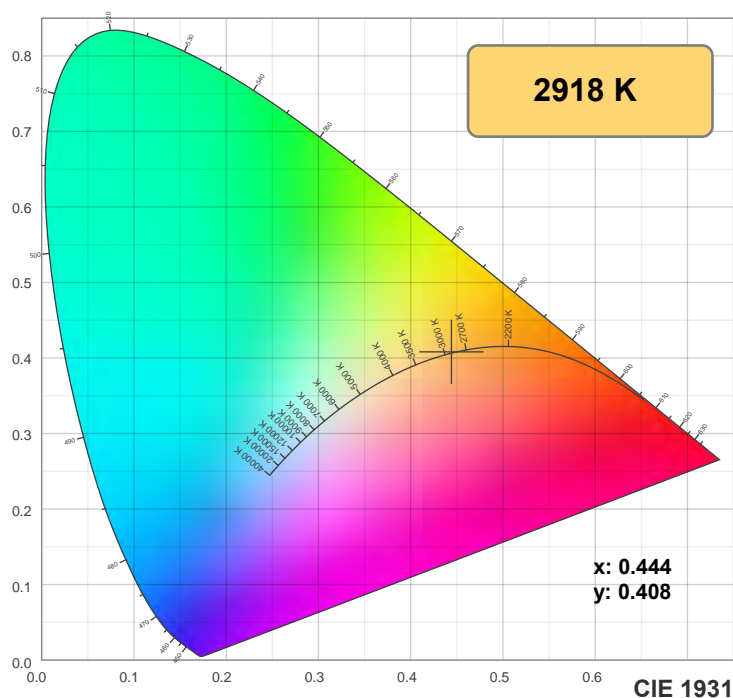


CIE 1931  
x: 0.444  
y: 0.408

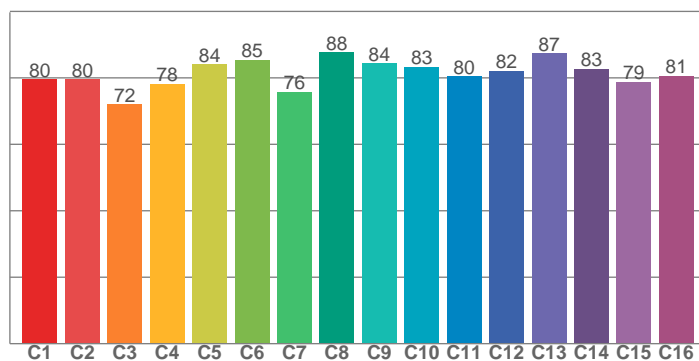
Spectra



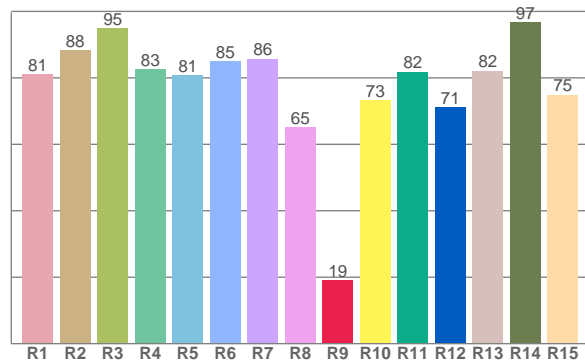
## Color details



TM30: 81.2



CRI: 82.9 (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
81.1	88.2	94.9	82.7	80.7	84.9	85.8	65.2	19.2	73.3	81.8	71.1	82.1	96.8	74.9

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
79.5	79.5	72.0	78.2	84.0	85.4	75.8	87.6	84.4	83.3	80.4	82.1	87.4	82.7	78.8	80.5

## 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	$\Delta uv$
2918 K	82.9	19.2	81.2	99.5	0.444	0.408	0.253	0.349	0.0007

## TM30 details

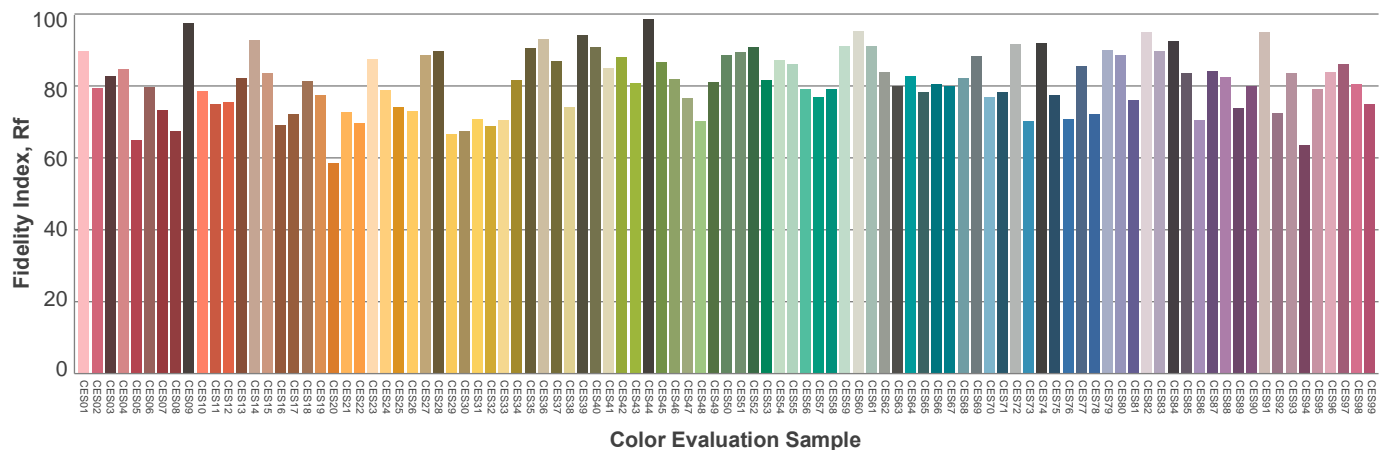
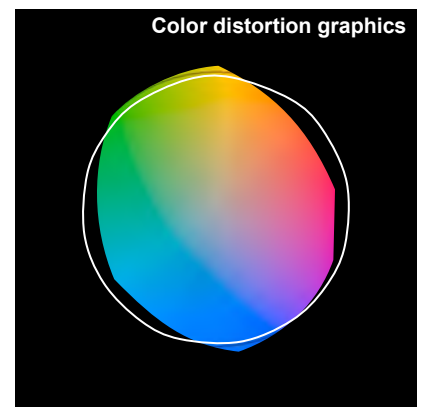
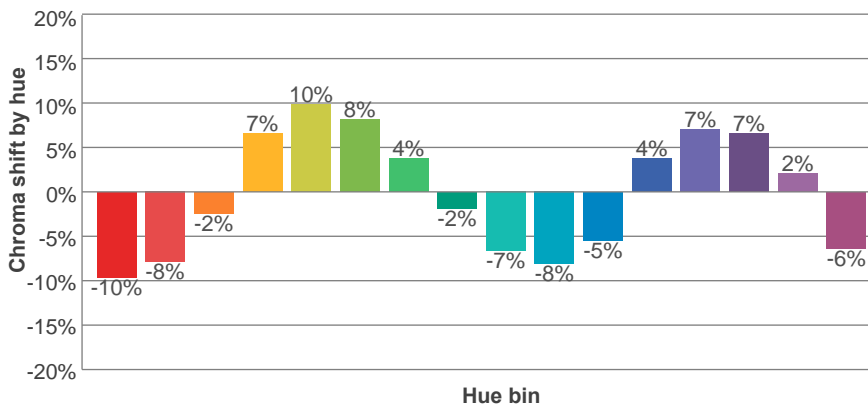
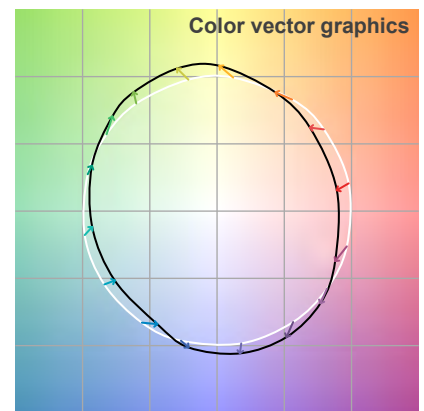
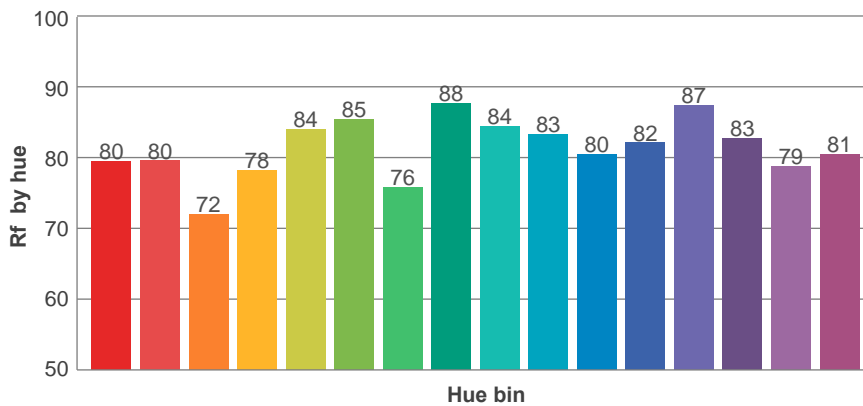
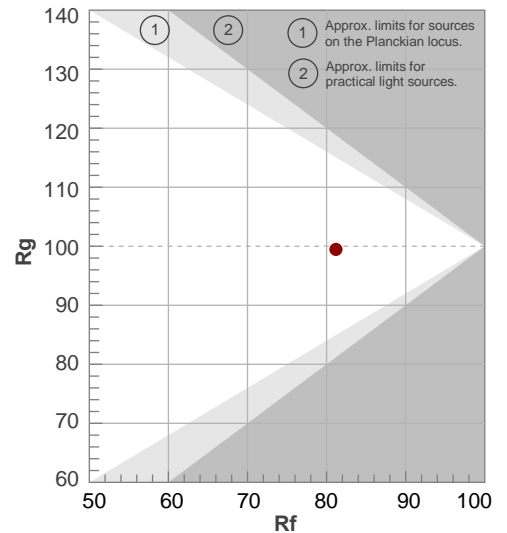
**Rf 81.2**

Fidelity index Rf

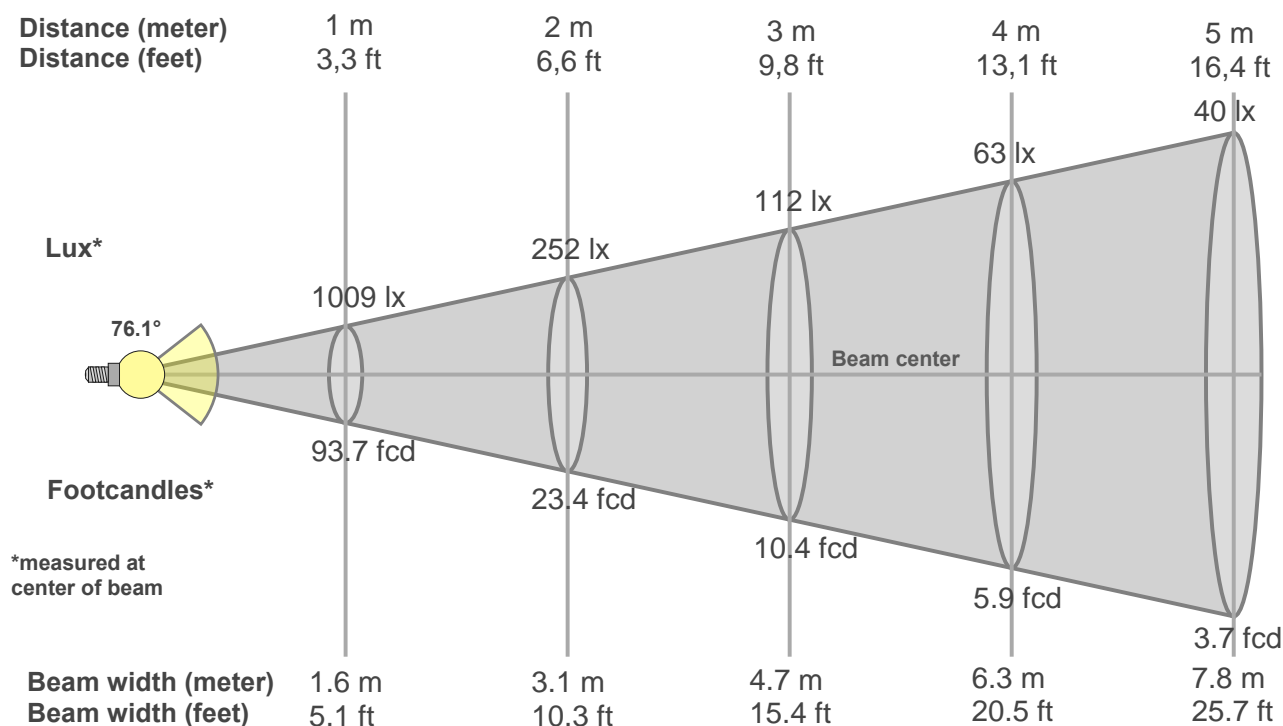
**Rg 99.5**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	80	-10%	-3%
2	80	-8%	7%
3	72	-2%	13%
4	78	7%	12%
5	84	10%	7%
6	85	8%	-3%
7	76	4%	-13%
8	88	-2%	-7%
9	84	-7%	-5%
10	83	-8%	2%
11	80	-5%	10%
12	82	4%	6%
13	87	7%	-2%
14	83	7%	-10%
15	79	2%	-12%
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
1009lx	252lx	112lx	63lx	40lx	28lx	21lx	16lx	12lx	10lx	8lx	7lx	6lx	5lx	4lx	4lx	3lx	3lx	3lx	3lx
93.7fcd	23.4fcd	10.4fcd	5.9fcd	3.7fcd	2.6fcd	1.9fcd	1.5fcd	1.2fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	0.5fcd	0.4fcd	0.4fcd	0.3fcd	0.3fcd	0.3fcd	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°
1009	1003	1000	1018	1036	1039	1036	1034	1033	1033	1041	1050	1065	1087	1107	1114	1121	1046	943	831
100%	99%	99%	101%	103%	103%	103%	102%	102%	102%	103%	104%	106%	108%	110%	110%	111%	104%	93%	82%

### 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°
1009	1015	1029	1047	1059	1058	1057	1056	1055	1058	1064	1071	1083	1095	1106	1117	1102	1040	978	846
100%	101%	102%	104%	105%	105%	105%	105%	105%	105%	105%	106%	107%	109%	110%	111%	109%	103%	97%	84%

### 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°
1009	1016	1024	1031	1038	1044	1046	1046	1047	1053	1058	1068	1078	1091	1107	1119	1080	1041	939	808
100%	101%	101%	102%	103%	103%	104%	104%	104%	104%	105%	106%	107%	108%	110%	111%	107%	103%	93%	80%

### 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°
1009	1003	1016	1032	1040	1039	1038	1038	1038	1044	1053	1065	1083	1101	1119	1137	1111	1036	957	821
100%	99%	101%	102%	103%	103%	103%	103%	103%	103%	104%	106%	107%	109%	111%	113%	110%	103%	95%	81%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
76.1°	88.6°	100.2°	99.3%	96.2%