

Light efficiency:

69 Lumen/Watt

Light quality:

CRI: 82.8

Color temperature:

2913 K

Output: 1371 lm

Peak: 1120 cd

Power: 19.7 W

PF: 0.99



Beam angle

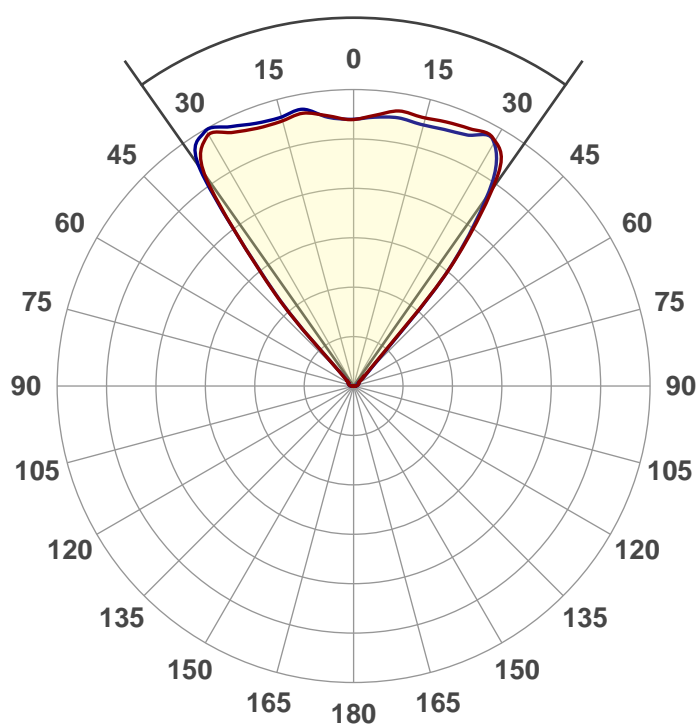
70.3°

Product name:

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

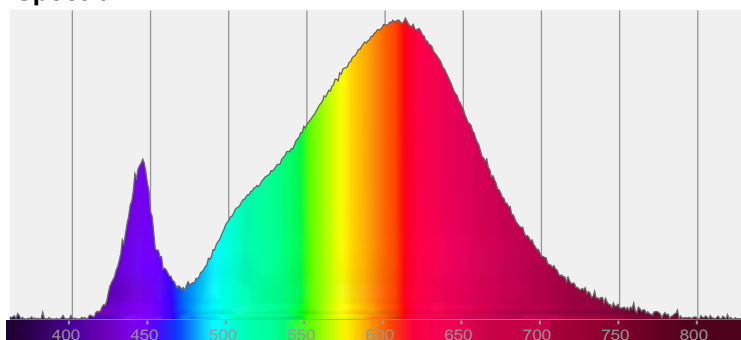
Date and time:

1/11/2018 3:51:07 PM

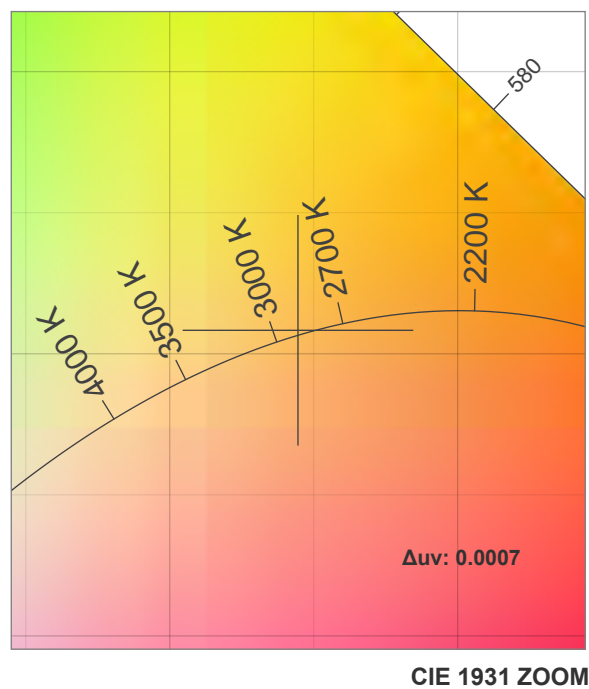
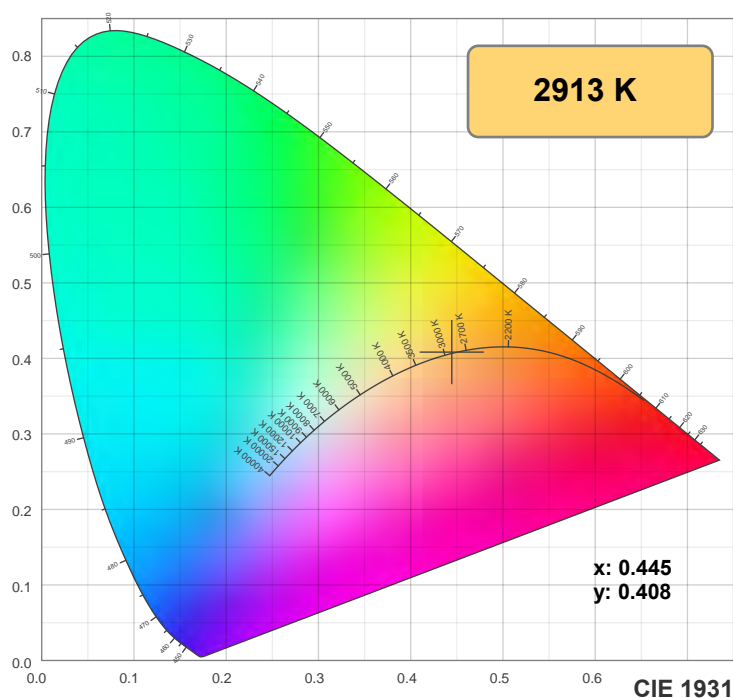


CIE 1931
x: 0.445
y: 0.408

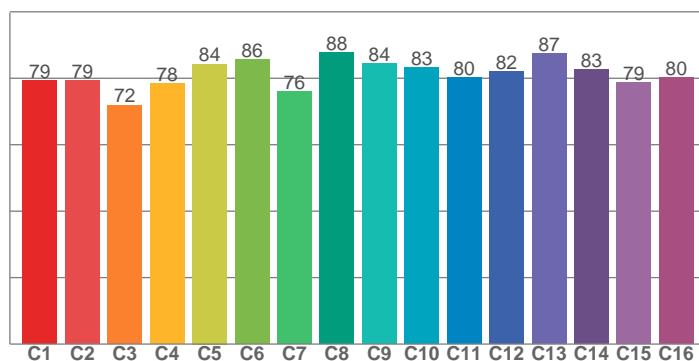
Spectra



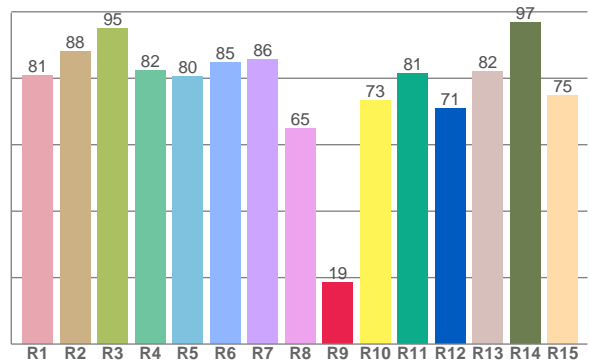
Color details



TM30: 81.2



CRI: 82.8 (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
80.9	88.2	95.0	82.4	80.5	84.8	85.7	64.9	18.6	73.2	81.4	70.9	82.0	96.9	74.7

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
79.4	79.4	71.9	78.5	84.3	85.6	76.1	87.7	84.5	83.3	80.2	82.1	87.3	82.5	78.8	80.2

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
2913 K	82.8	18.6	81.2	99.3	0.445	0.408	0.254	0.349	0.0007

TM30 details

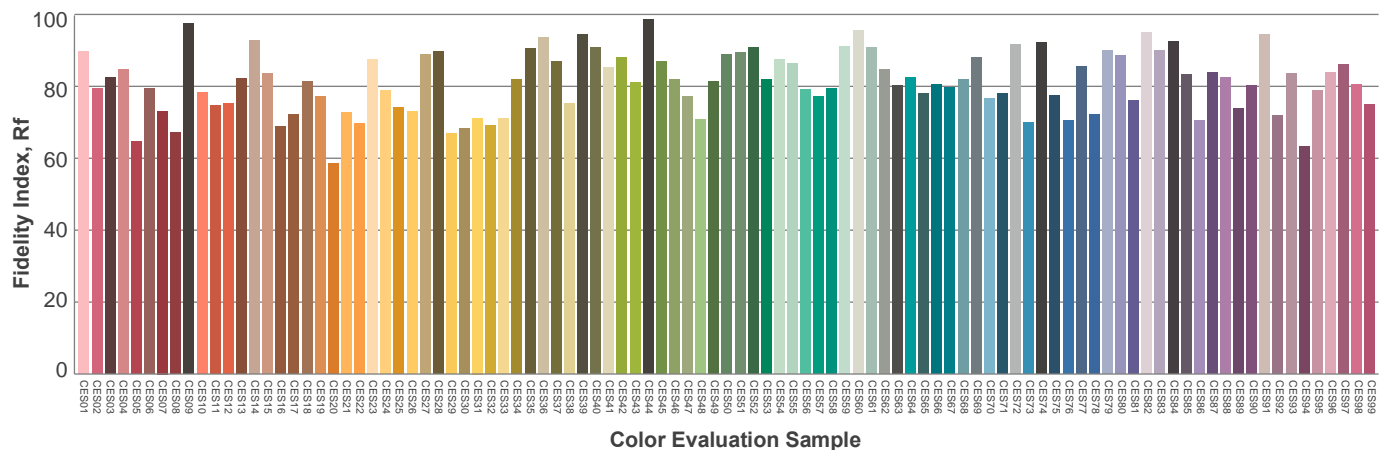
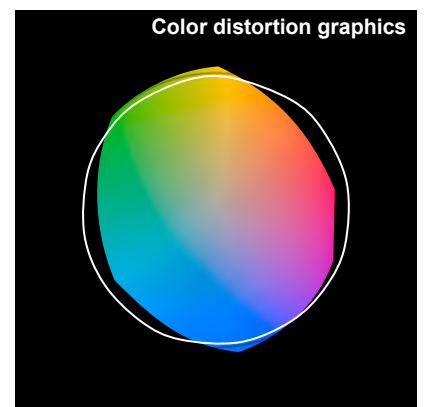
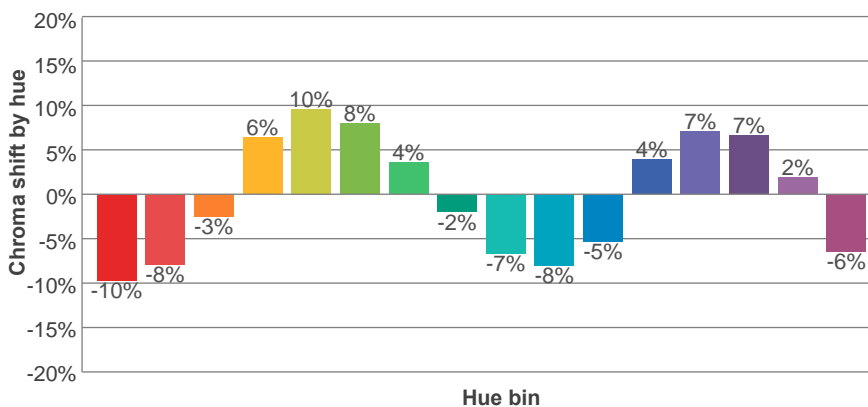
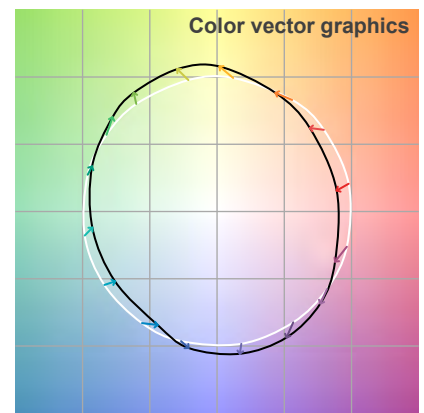
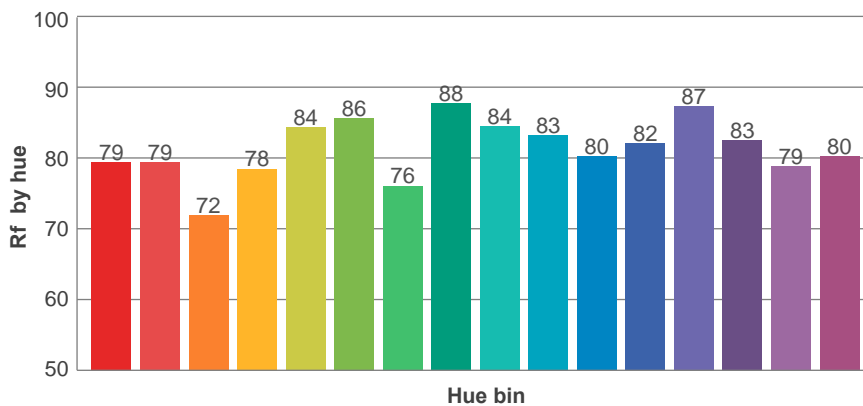
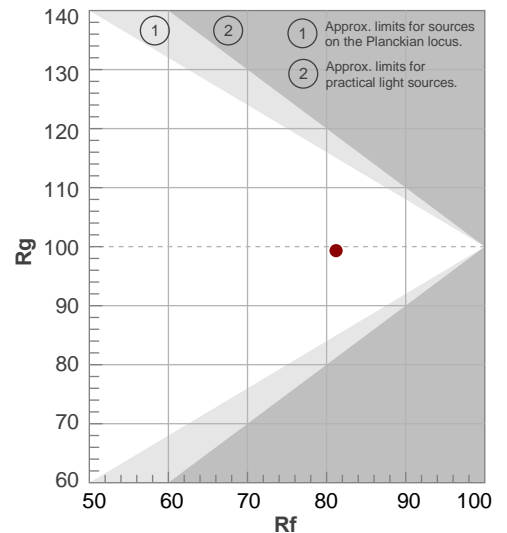
Rf 81.2

Fidelity index Rf

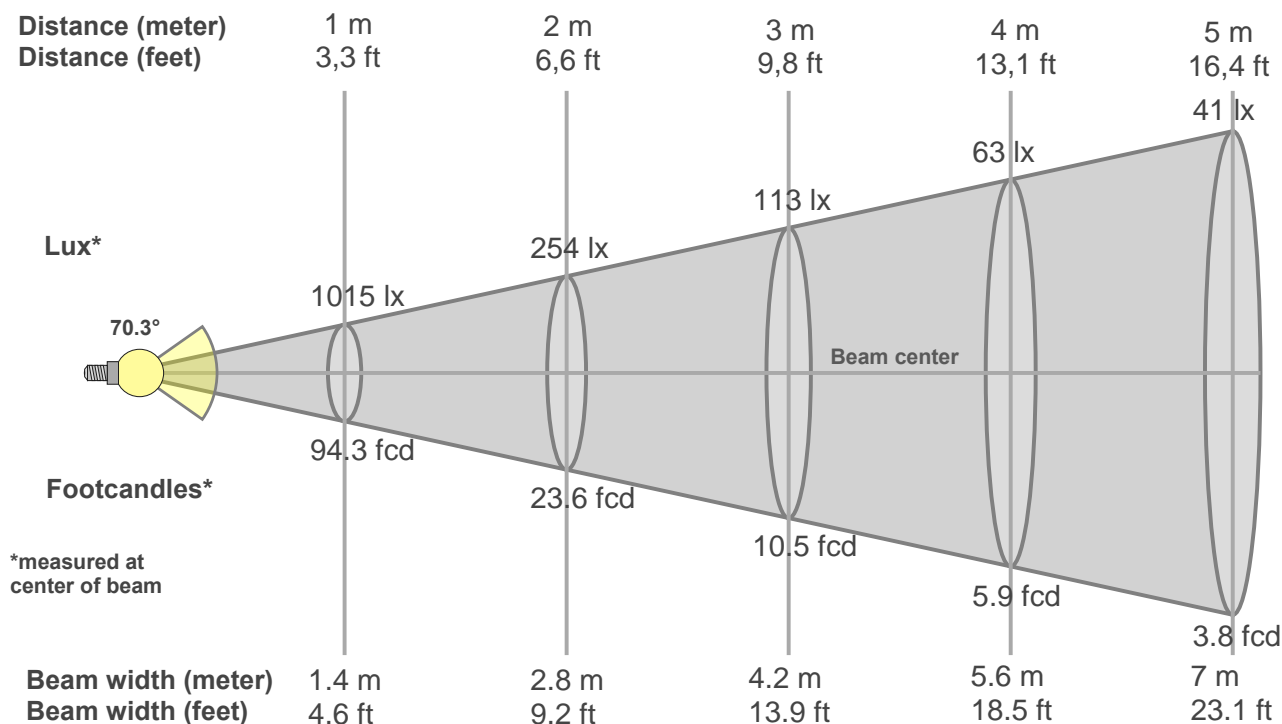
Rg 99.3

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	79	-10%	-3%
2	79	-8%	7%
3	72	-3%	13%
4	78	6%	12%
5	84	10%	7%
6	86	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	80	-6%	-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
1015lx	254lx	113lx	63lx	41lx	28lx	21lx	16lx	13lx	10lx	8lx	7lx	6lx	5lx	5lx	4lx	4lx	3lx	3lx	3lx
94.3fcd	23.6fcd	10.5fcd	5.9fcd	3.8fcd	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°
1015	1018	1026	1034	1043	1052	1051	1046	1043	1044	1046	1053	1061	1071	1084	1098	1058	1004	906	704
100%	100%	101%	102%	103%	104%	104%	103%	103%	103%	103%	104%	105%	106%	107%	108%	104%	99%	89%	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°
1015	1018	1023	1031	1048	1066	1066	1061	1059	1062	1065	1074	1084	1095	1106	1118	1083	1038	933	711
100%	100%	101%	102%	103%	105%	105%	105%	104%	105%	105%	106%	107%	108%	109%	110%	107%	102%	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°
1015	1023	1030	1041	1052	1059	1057	1055	1057	1061	1065	1069	1073	1076	1080	1067	1026	984	838	678
100%	101%	102%	103%	104%	104%	104%	104%	104%	105%	105%	105%	106%	106%	106%	105%	101%	97%	83%	67%

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°
1015	1019	1024	1028	1031	1033	1030	1027	1029	1032	1036	1041	1046	1057	1069	1058	1000	942	808	662
100%	100%	101%	101%	102%	102%	101%	101%	101%	102%	102%	103%	103%	104%	105%	104%	99%	93%	80%	65%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
70.3°	82.3°	119.2°	96.0%	92.3%