

Light efficiency:

63 Lumen/Watt

Light quality:

CRI: 80.7

Color temperature:

2955 K

Output: 2585 lm

Peak: 2586 cd

Power: 40.9 W

PF: 0.99



Beam angle

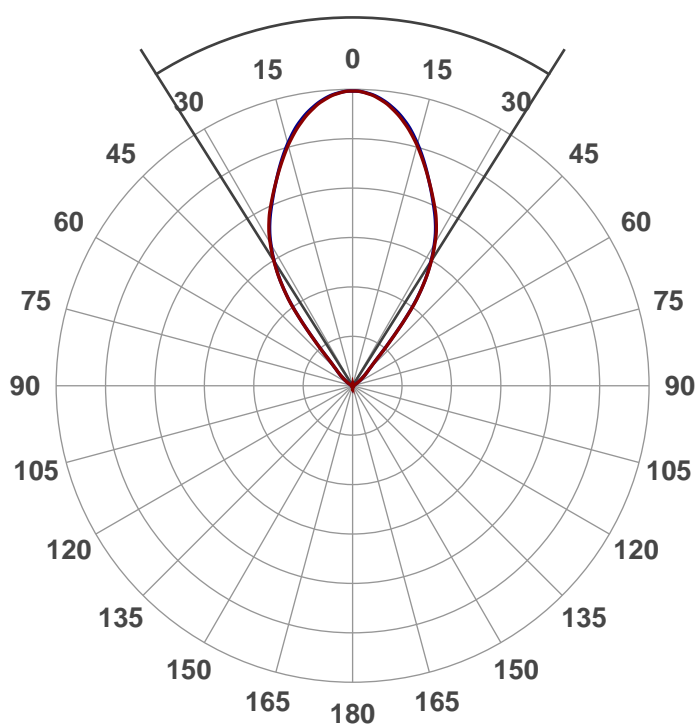
64.4°

Product name:

608-4-XTM19-38LM-30K-83-DA60-CRO

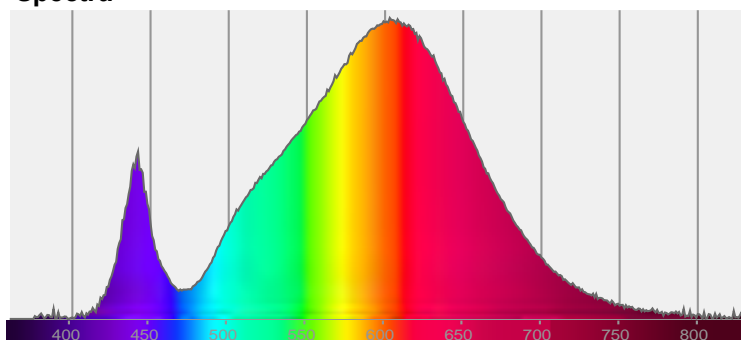
Date and time:

9/28/2016 3:55:32 PM

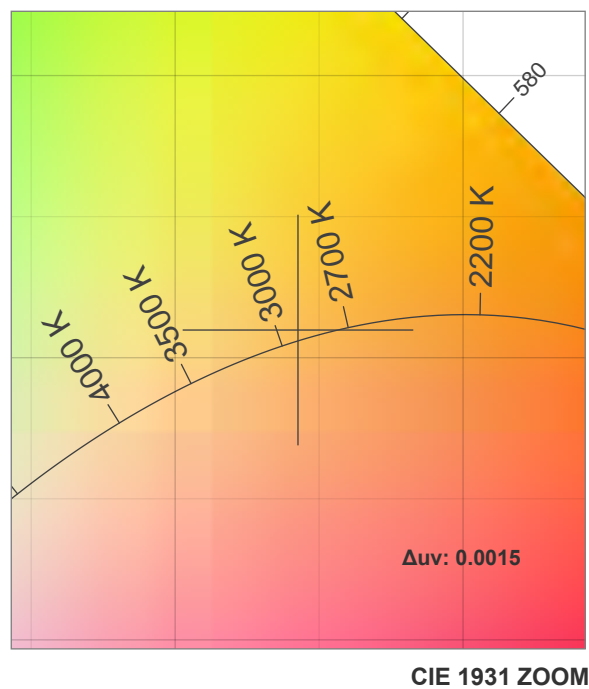
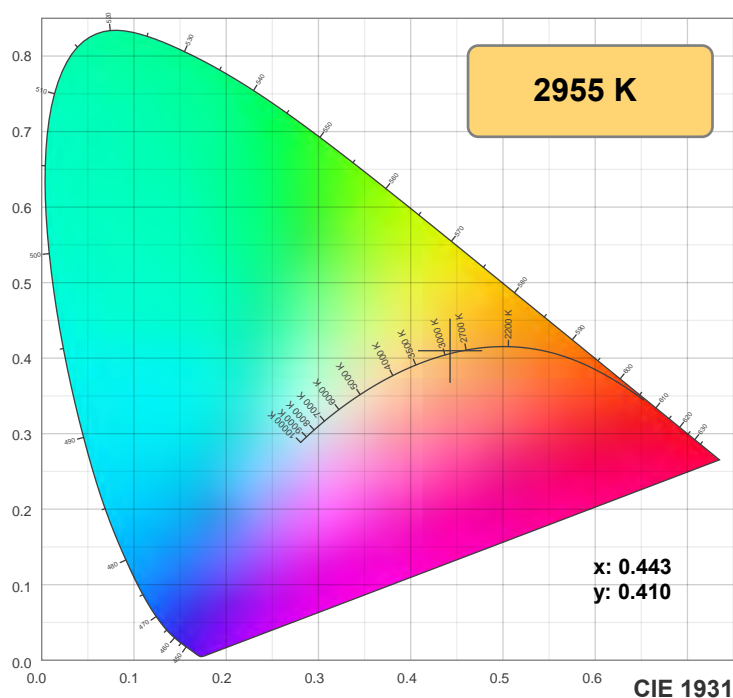


CIE 1931
x: 0.443
y: 0.410

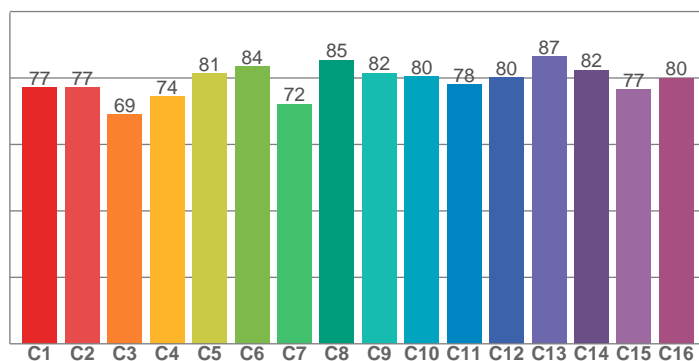
Spectra



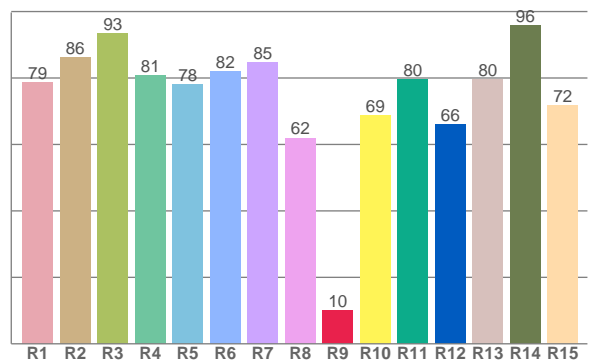
Color details



TM30: 78.8



CRI: 80.7 (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
78.7	86.2	93.5	80.8	78.1	82.0	84.7	62.0	10.2	68.6	79.6	66.1	79.7	96.0	71.8

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
77.2	77.2	69.0	74.4	81.4	83.5	72.1	85.5	81.5	80.4	78.0	80.1	86.5	82.5	76.5	80.0

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
2955 K	80.7	10.2	78.8	99.0	0.443	0.410	0.252	0.350	0.0015

TM30 details

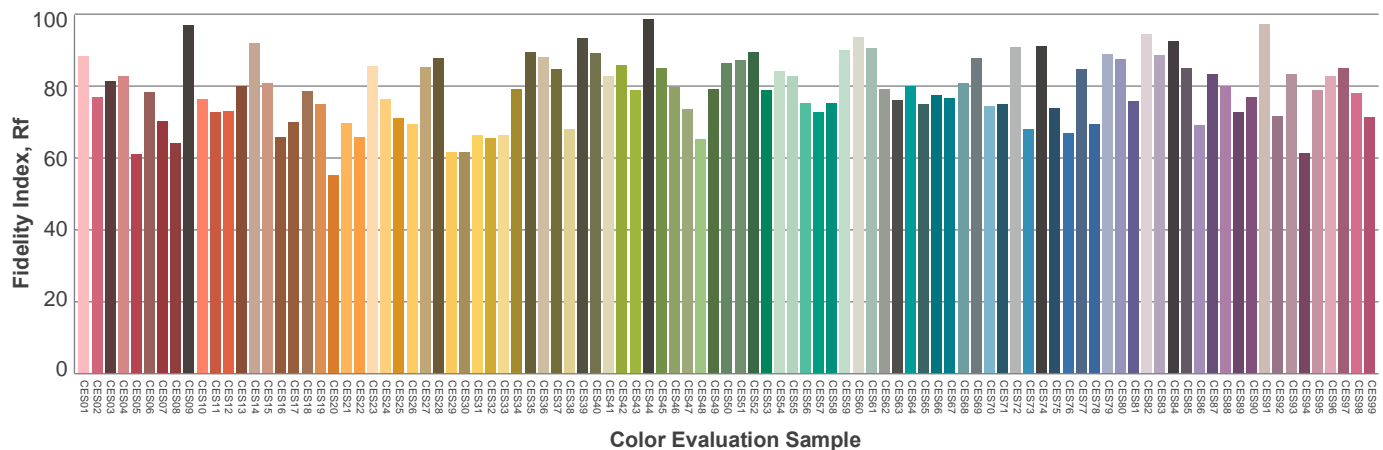
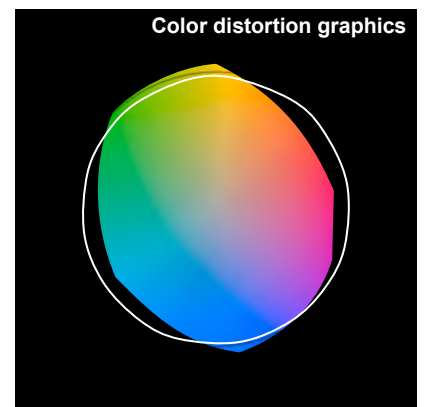
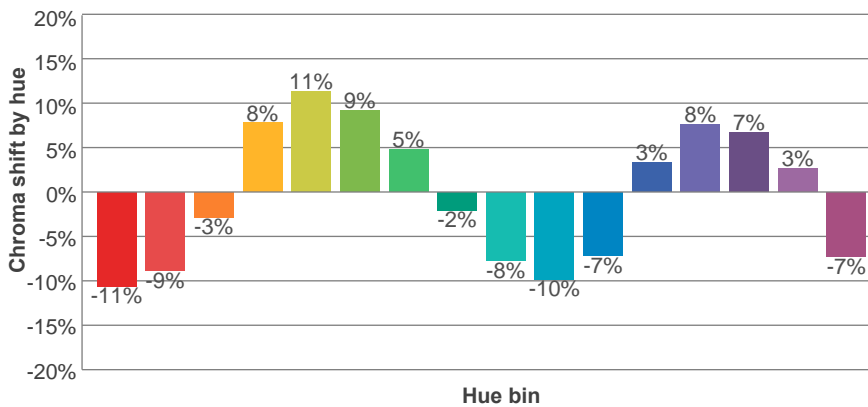
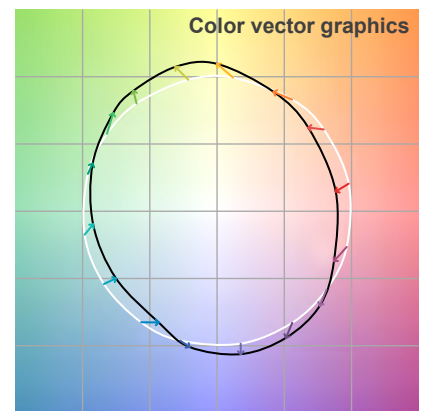
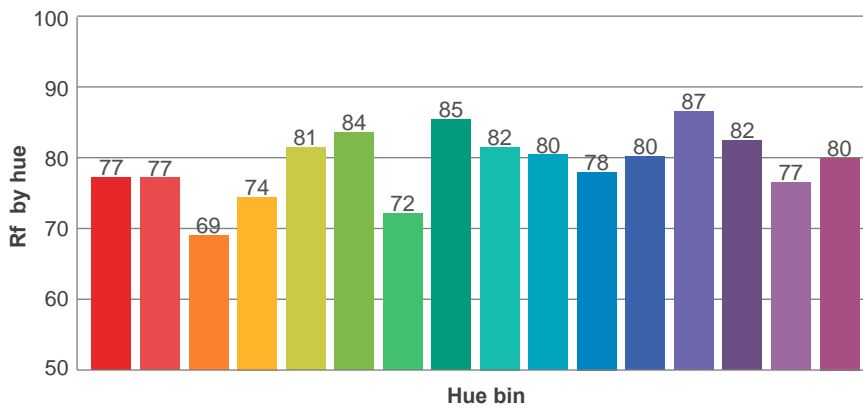
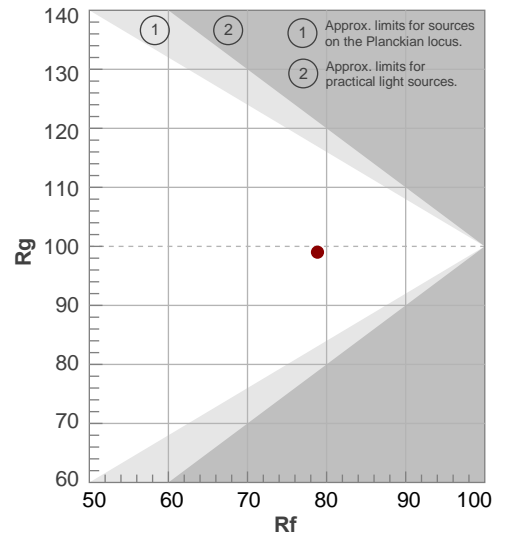
Rf 78.8

Fidelity index Rf

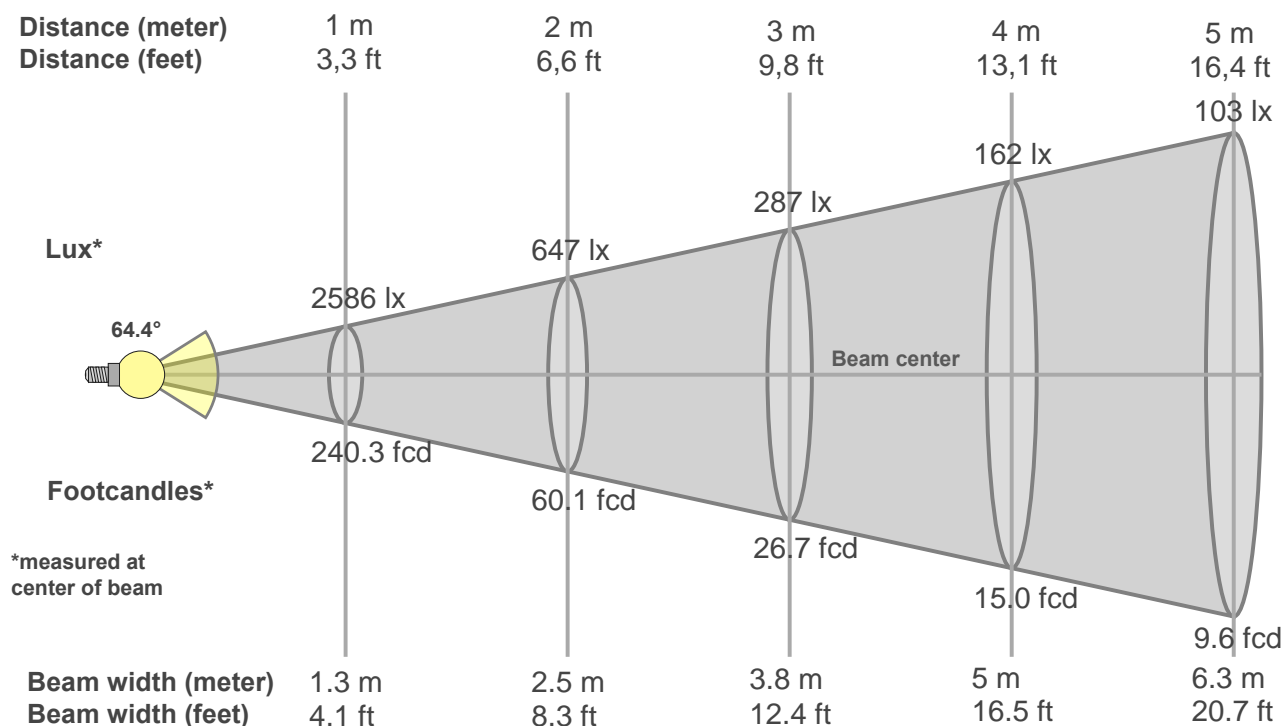
Rg 99.0

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	77	-11%	-4%
2	77	-9%	8%
3	69	-3%	15%
4	74	8%	14%
5	81	11%	8%
6	84	9%	-3%
7	72	5%	-15%
8	85	-2%	-8%
9	82	-8%	-6%
10	80	-10%	1%
11	78	-7%	11%
12	80	3%	8%
13	87	8%	-1%
14	82	7%	-10%
15	77	3%	-13%
16	80	-7%	-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
2586lx	647lx	287lx	162lx	103lx	72lx	53lx	40lx	32lx	26lx	21lx	18lx	15lx	13lx	11lx	10lx	9lx	8lx	7lx	6lx
240.3fcd	60.1fcd	26.7fcd	15fcd	9.6fcd	6.7fcd	4.9fcd	3.8fcd	3fcd	2.4fcd	2fcd	1.7fcd	1.4fcd	1.2fcd	1.1fcd	0.9fcd	0.8fcd	0.7fcd	0.7fcd	0.6fcd

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°
2586	2579	2555	2514	2460	2395	2318	2230	2136	2038	1940	1847	1756	1667	1565	1446	1313	1166	994	774
100%	100%	99%	97%	95%	93%	90%	86%	83%	79%	75%	71%	68%	64%	61%	56%	51%	45%	38%	30%

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°
2586	2580	2559	2523	2473	2412	2338	2248	2151	2048	1942	1841	1744	1651	1550	1434	1305	1162	990	766
100%	100%	99%	98%	96%	93%	90%	87%	83%	79%	75%	71%	67%	64%	60%	55%	50%	45%	38%	30%

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°
2586	2579	2555	2514	2460	2395	2318	2230	2136	2038	1940	1847	1756	1667	1565	1446	1313	1166	994	774
100%	100%	99%	97%	95%	93%	90%	86%	83%	79%	75%	71%	68%	64%	61%	56%	51%	45%	38%	30%

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°
2586	2580	2559	2523	2473	2412	2338	2248	2151	2048	1942	1841	1744	1651	1550	1434	1305	1162	990	766
100%	100%	99%	98%	96%	93%	90%	87%	83%	79%	75%	71%	67%	64%	60%	55%	50%	45%	38%	30%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
64.4°	86.8°	112.3°	97.9%	92.7%