

Light efficiency:

83 Lumen/Watt

Light quality:

CRI: 81.8

Color temperature:

2899 K

Output: 820 lm

Peak: 2319 cd

Power: 9.9 W

PF: 1.0



Beam angle

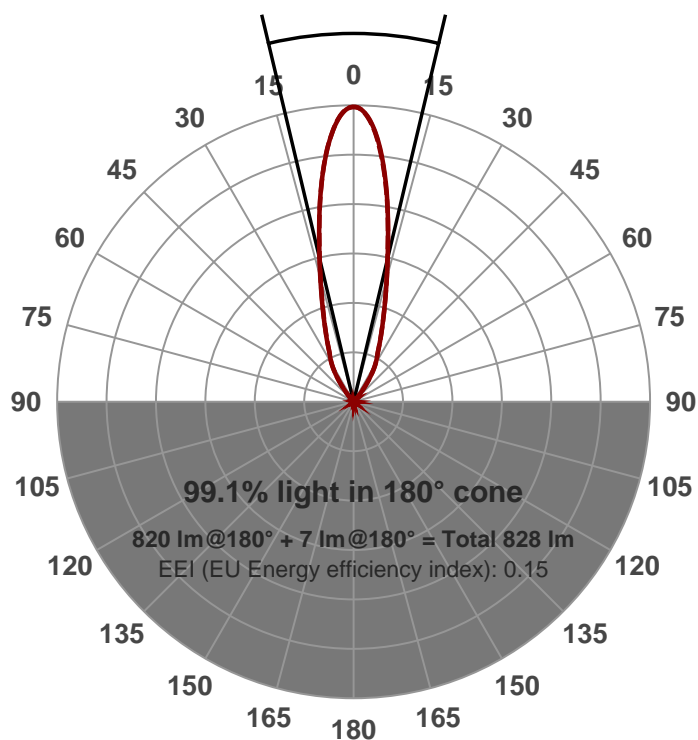
26.7°

Product name:

730-2-411-XTM19-10LM-30K-83-SSA20

Date and time:

10/5/2016 2:28:34 PM

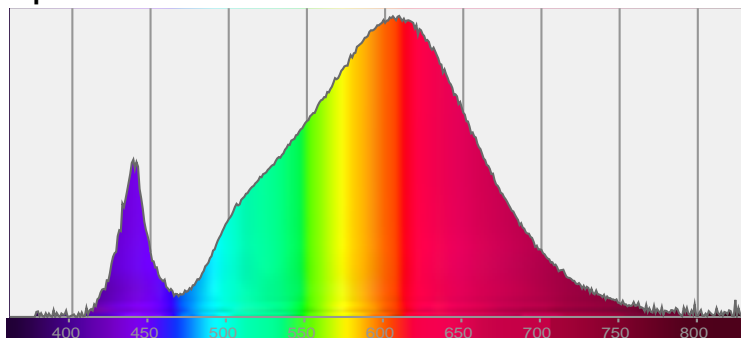


CIE 1931

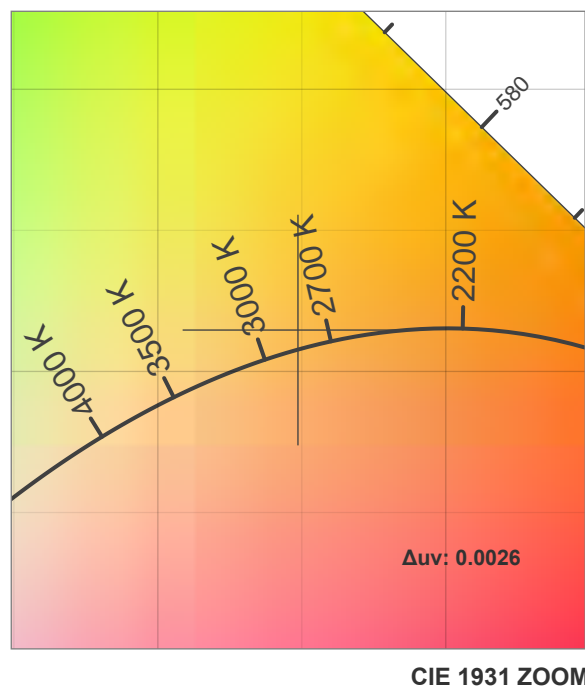
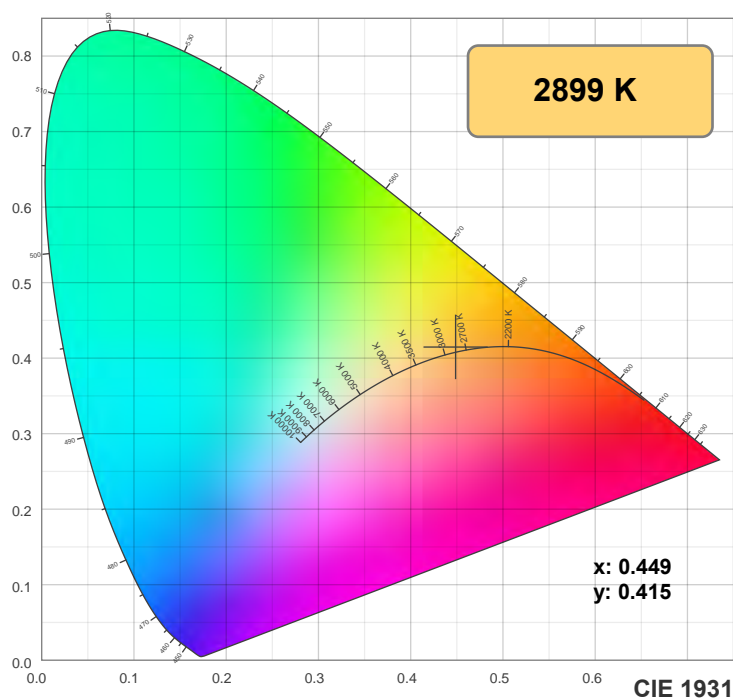
x: 0.449

y: 0.415

Spectra

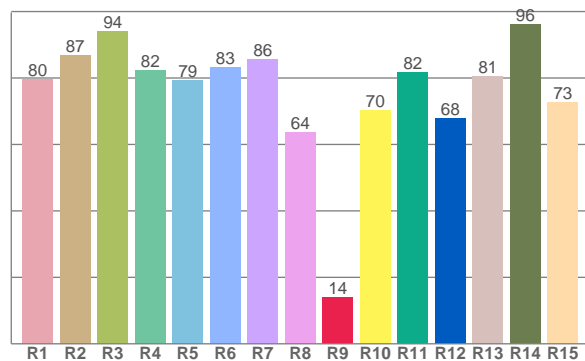
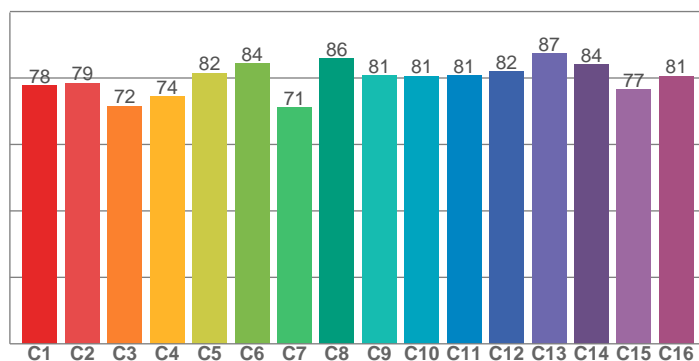


Color details



TM30: 79.6

CRI: 81.8 (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
79.7	86.7	93.9	82.4	79.3	83.2	85.6	63.5	14.0	70.1	81.8	67.8	80.6	96.2	72.6

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
77.8	78.5	71.6	74.4	81.6	84.4	71.2	85.8	80.8	80.6	80.8	82.0	87.4	84.0	76.6	80.6

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
2899 K	81.8	14.0	79.6	99.0	0.449	0.415	0.254	0.351	0.0026

TM30 details

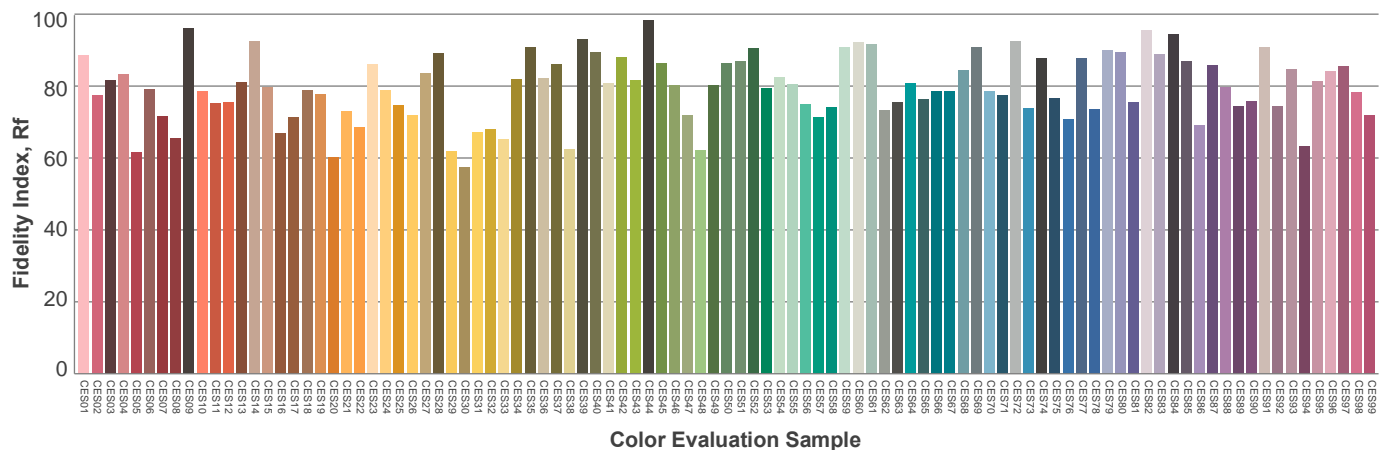
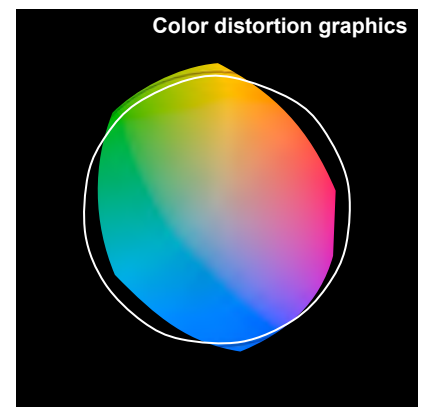
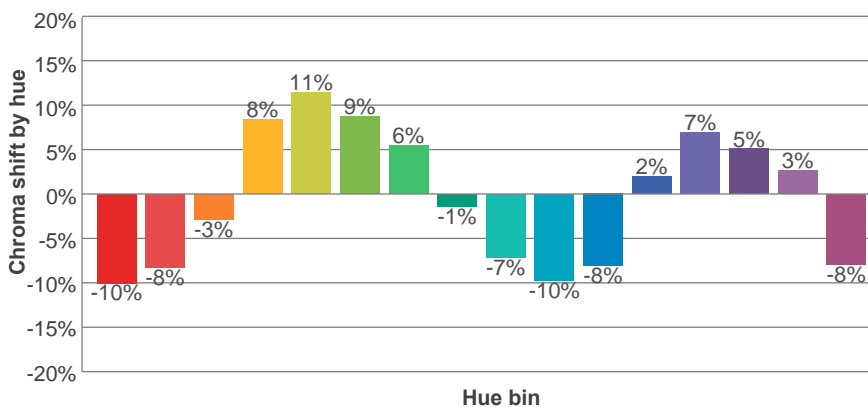
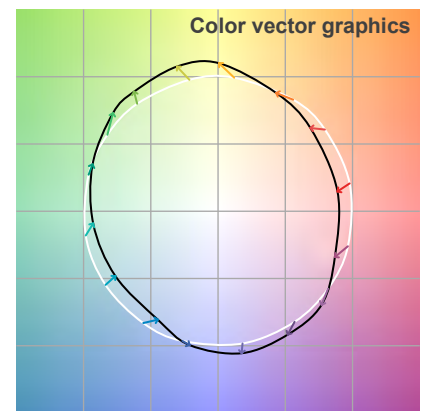
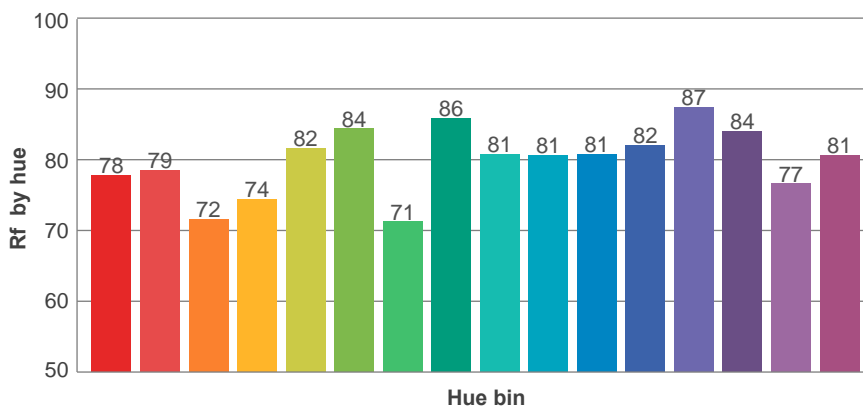
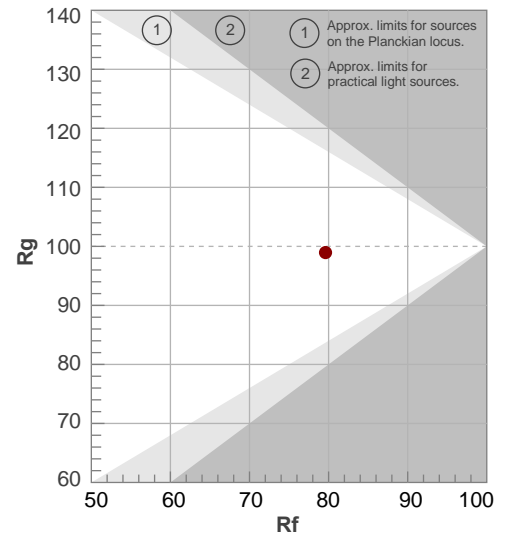
Rf 79.6

Fidelity index Rf

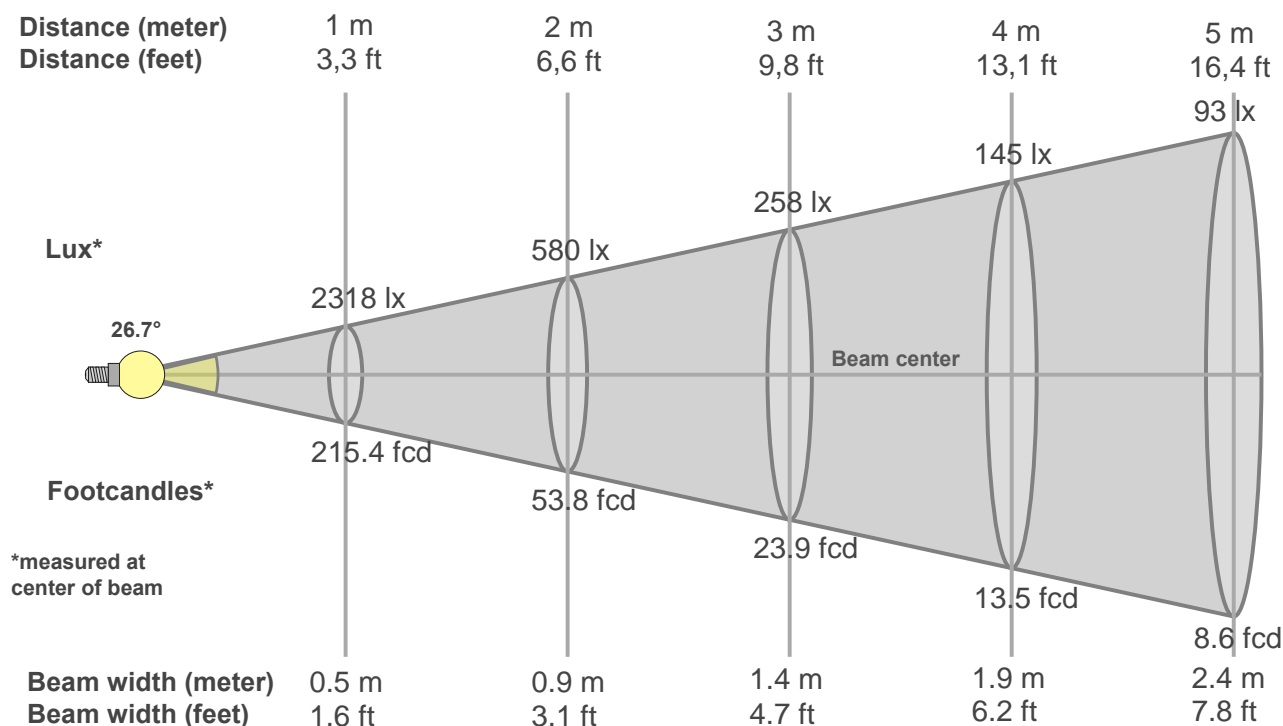
Rg 99.0

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	78	-10%	-4%
2	79	-8%	7%
3	72	-3%	13%
4	74	8%	13%
5	82	11%	7%
6	84	9%	-3%
7	71	6%	-16%
8	86	-1%	-8%
9	81	-7%	-8%
10	81	-10%	-1%
11	81	-8%	8%
12	82	2%	6%
13	87	7%	-2%
14	84	5%	-10%
15	77	3%	-13%
16	81	-8%	-10%



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
2318lx	580lx	258lx	145lx	93lx	64lx	47lx	36lx	29lx	23lx	19lx	16lx	14lx	12lx	10lx	9lx	8lx	7lx	6lx	6lx
215.4fcd	53.8fcd	23.9fcd	13.5fcd	8.6fcd	6fcd	4.4fcd	3.4fcd	2.7fcd	2.2fcd	1.8fcd	1.5fcd	1.3fcd	1.1fcd	1fcd	0.8fcd	0.7fcd	0.7fcd	0.6fcd	0.5fcd

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°
2318	2279	2167	1992	1778	1540	1304	1102	932	793	678	583	504	437	390	347	293	233	170	111
100%	98%	93%	86%	77%	66%	56%	48%	40%	34%	29%	25%	22%	19%	17%	15%	13%	10%	7%	5%

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°
2318	2281	2167	1998	1776	1537	1297	1095	925	786	673	580	502	435	388	342	289	229	167	109
100%	98%	93%	86%	77%	66%	56%	47%	40%	34%	29%	25%	22%	19%	17%	15%	12%	10%	7%	5%

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°
2318	2283	2172	2000	1783	1542	1305	1101	931	791	677	583	504	438	390	343	289	229	167	109
100%	98%	94%	86%	77%	67%	56%	47%	40%	34%	29%	25%	22%	19%	17%	15%	12%	10%	7%	5%

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°
2318	2279	2166	1989	1773	1537	1299	1096	930	790	677	583	504	436	390	345	293	232	171	112
100%	98%	93%	86%	76%	66%	56%	47%	40%	34%	29%	25%	22%	19%	17%	15%	13%	10%	7%	5%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
26.7°	68°	80.1°	98.7%	98.3%