

Light efficiency:

75 Lumen/Watt

Light quality:

CRI: 81.8

Color temperature:

2904 K

Output: 743 lm

Peak: 1137 cd

Power: 9.9 W

PF: 1.0



Beam angle

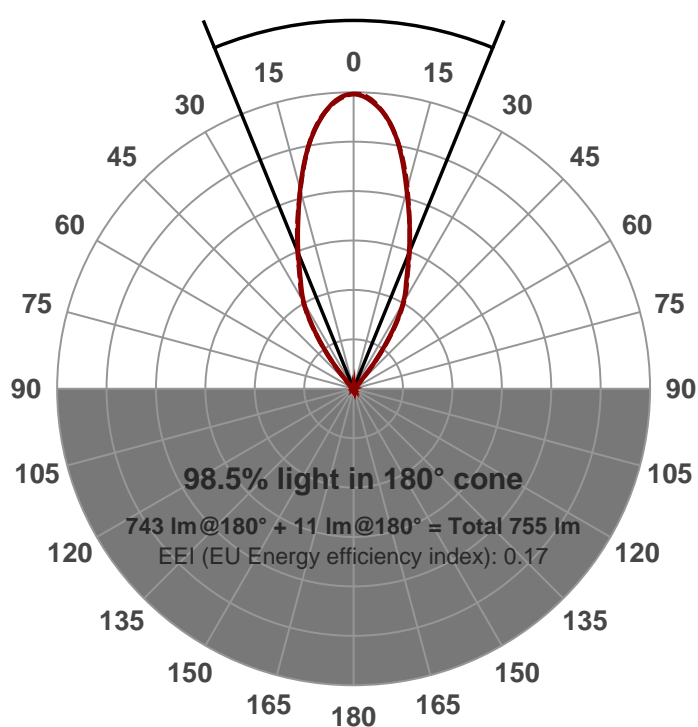
44.4°

Product name:

730-2-411-XTM19-10LM-30K-83-SSA40

Date and time:

10/5/2016 1:52:46 PM

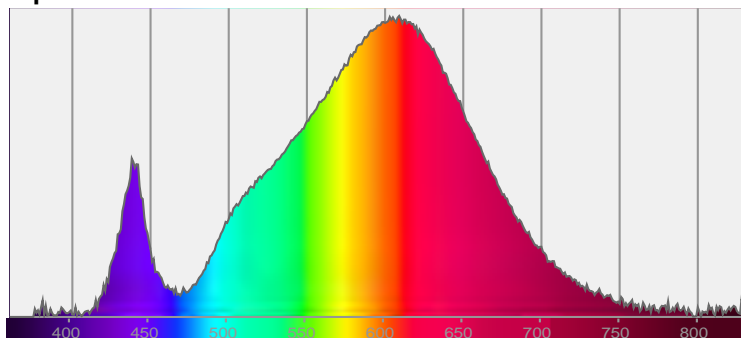


CIE 1931

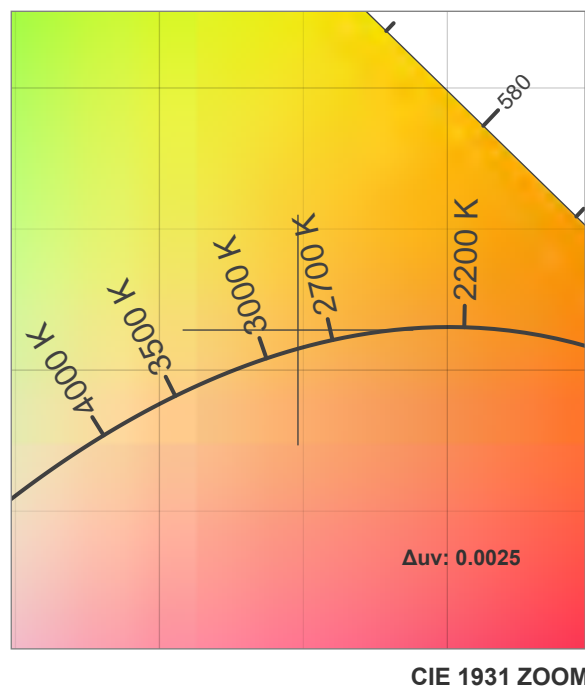
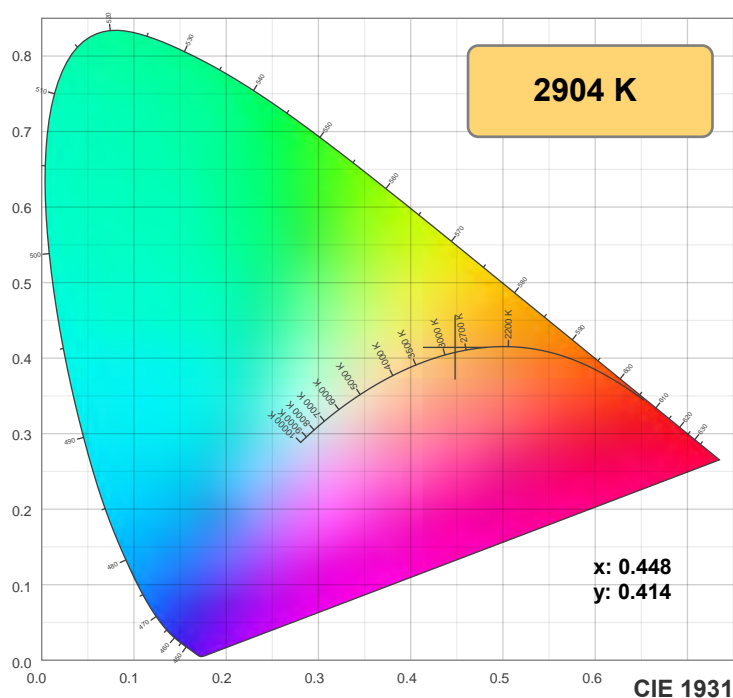
x: 0.448

y: 0.414

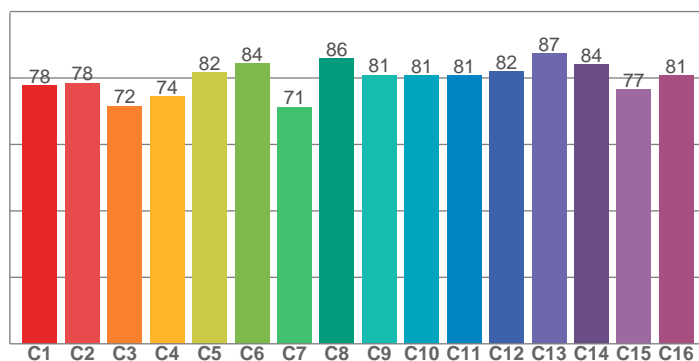
Spectra



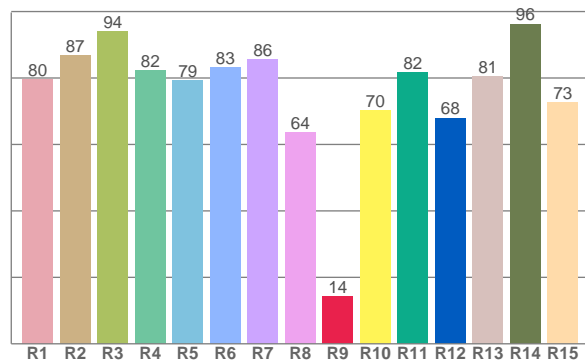
Color details



TM30: 79.7



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	94.1	82.4	79.3	83.2	85.6	63.6	14.3	70.3	81.8	68.0	80.6	96.3	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	71.5	74.4	81.6	84.4	71.3	85.9	80.9	80.7	80.8	82.0	87.4	84.1	76.6	80.7

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
2904 K	81.8	14.3	79.7	99.0	0.448	0.414	0.253	0.351	0.0025

TM30 details

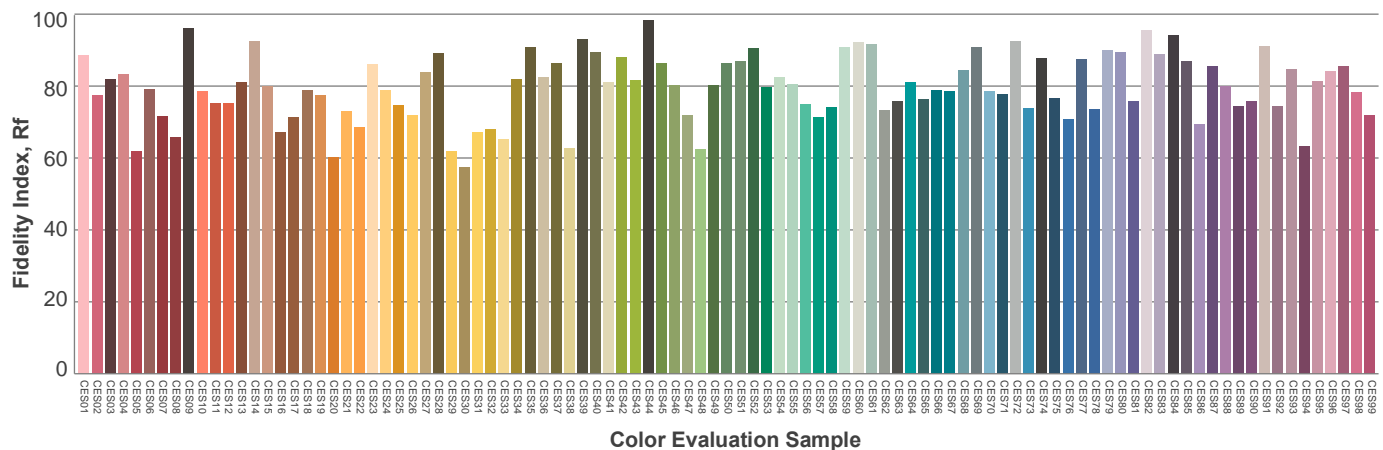
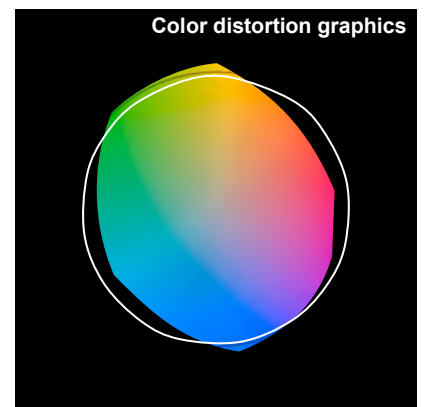
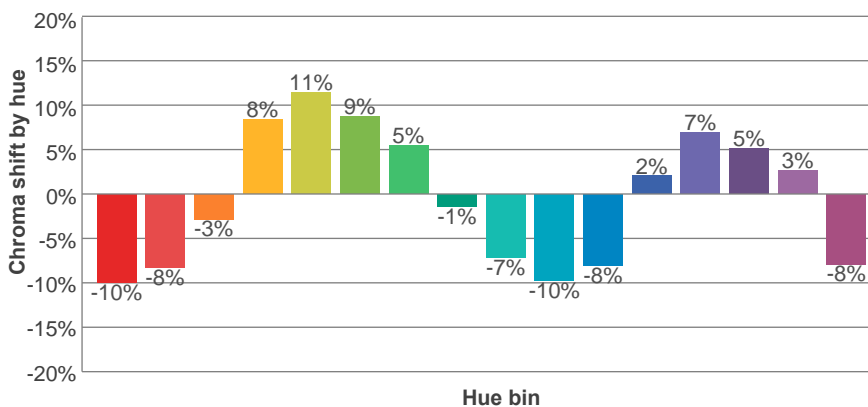
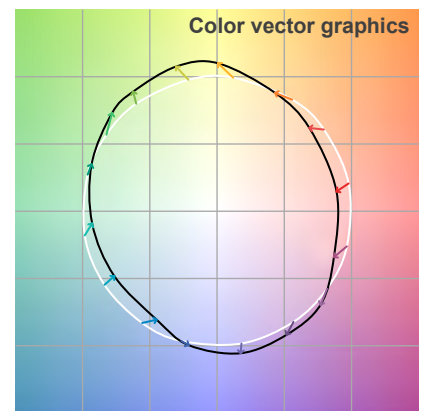
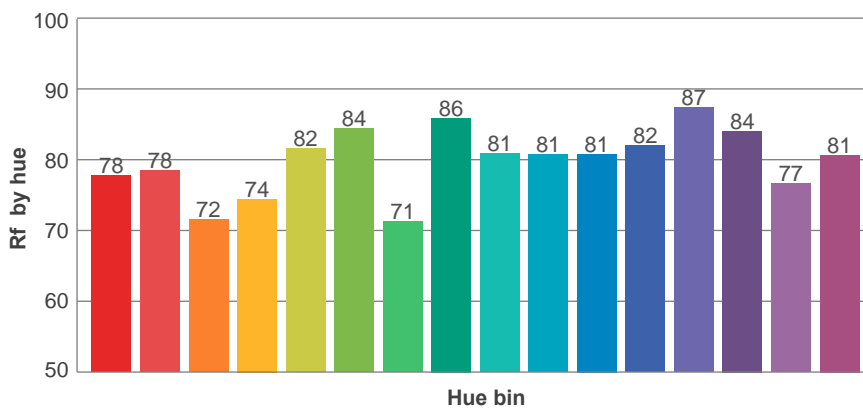
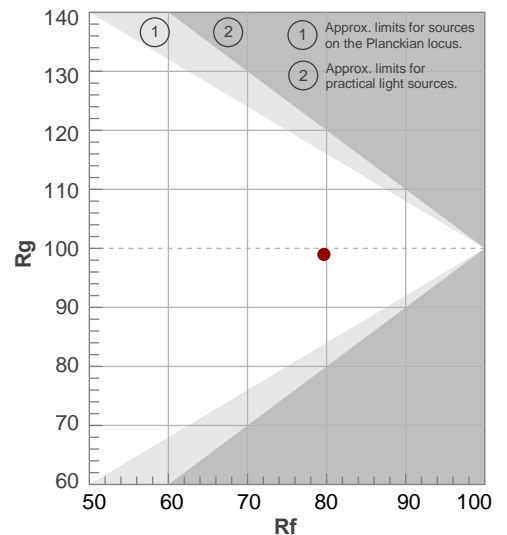
Rf 79.7

Fidelity index Rf

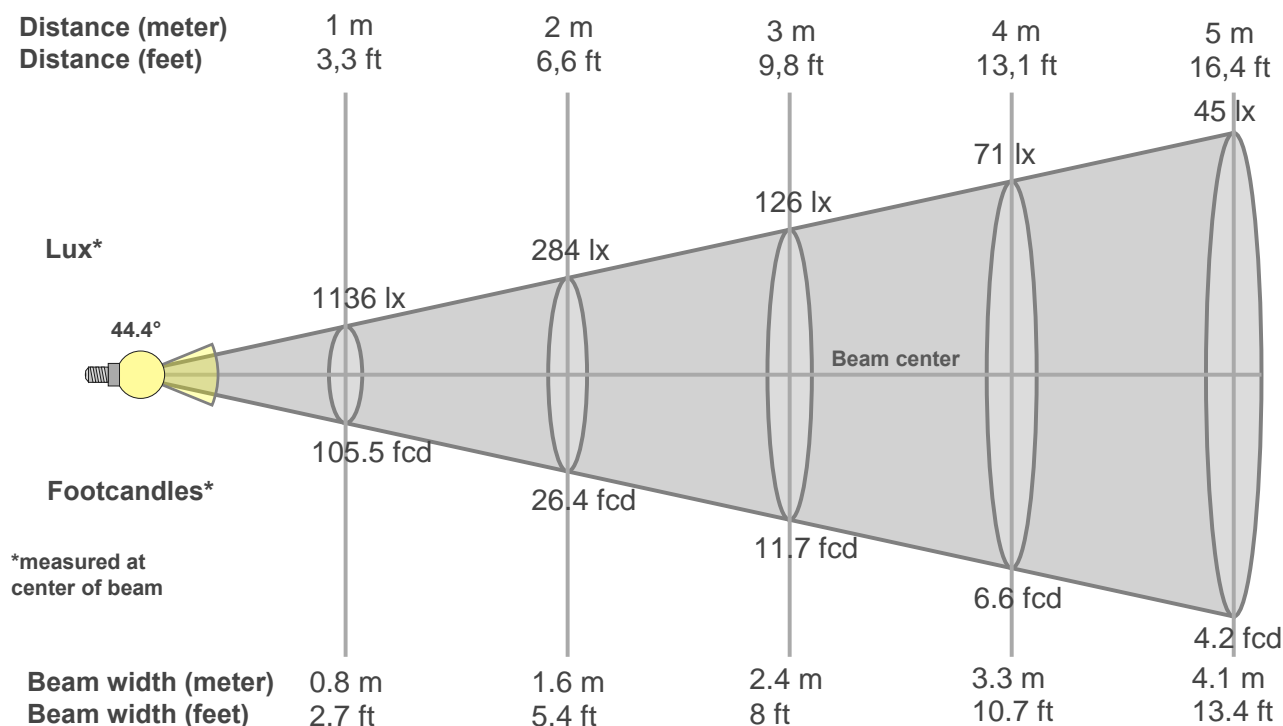
Rg 99.0

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	78	-10%	-4%
2	78	-8%	7%
3	72	-3%	13%
4	74	8%	13%
5	82	11%	7%
6	84	9%	-3%
7	71	5%	-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%	-9%
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
1136lx	284lx	126lx	71lx	45lx	32lx	23lx	18lx	14lx	11lx	9lx	8lx	7lx	6lx	5lx	4lx	4lx	4lx	3lx	3lx
105.5fcd	26.4fcd	11.7fcd	6.6fcd	4.2fcd	2.9fcd	2.2fcd	1.6fcd	1.3fcd	1.1fcd	0.9fcd	0.7fcd	0.6fcd	0.5fcd	0.5fcd	0.4fcd	0.4fcd	0.3fcd	0.3fcd	0.3fcd

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°
1136	1129	1107	1070	1023	967	903	832	760	691	629	571	515	466	426	383	329	268	204	142
100%	99%	97%	94%	90%	85%	80%	73%	67%	61%	55%	50%	45%	41%	38%	34%	29%	24%	18%	12%

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°
1136	1125	1103	1070	1025	968	900	829	760	697	636	577	521	473	434	389	334	271	208	147
100%	99%	97%	94%	90%	85%	79%	73%	67%	61%	56%	51%	46%	42%	38%	34%	29%	24%	18%	13%

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°
1136	1127	1104	1073	1029	970	901	827	758	694	633	572	514	465	425	380	325	264	200	139
100%	99%	97%	94%	91%	85%	79%	73%	67%	61%	56%	50%	45%	41%	37%	33%	29%	23%	18%	12%

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°
1136	1131	1109	1073	1027	972	908	837	764	695	634	577	520	471	432	388	334	272	208	146
100%	100%	98%	94%	90%	86%	80%	74%	67%	61%	56%	51%	46%	41%	38%	34%	29%	24%	18%	13%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44.4°	78.1°	90.3°	97.1%	94.5%