

Light efficiency:

87 Lumen/Watt

Light quality:

CRI: 81.8

Color temperature:

2904 K

Output: 890 lm

Peak: 2268 cd

Power: 10.2 W

PF: 1.0



Beam angle

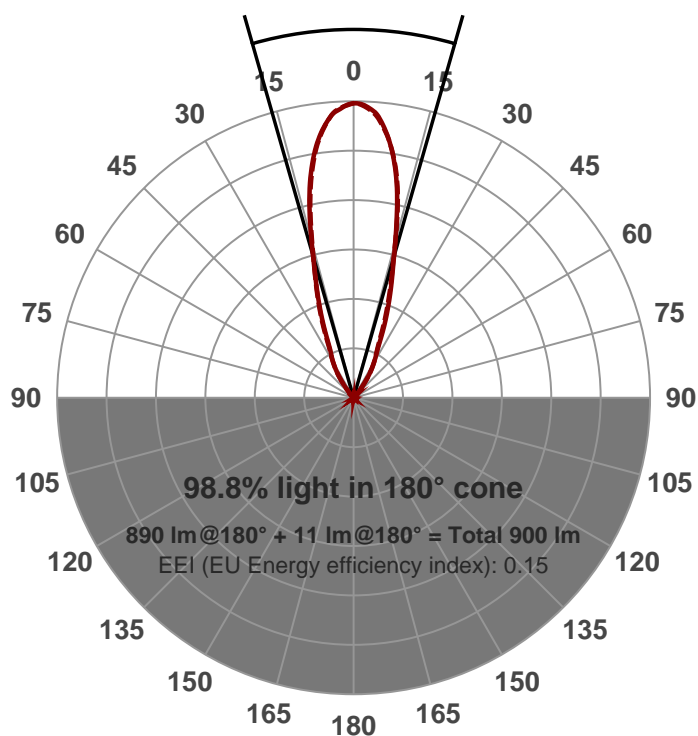
31.9°

Product name:

730-2-411-XTM19-10LM-30K-83-SA40

Date and time:

9/30/2016 3:18:43 PM

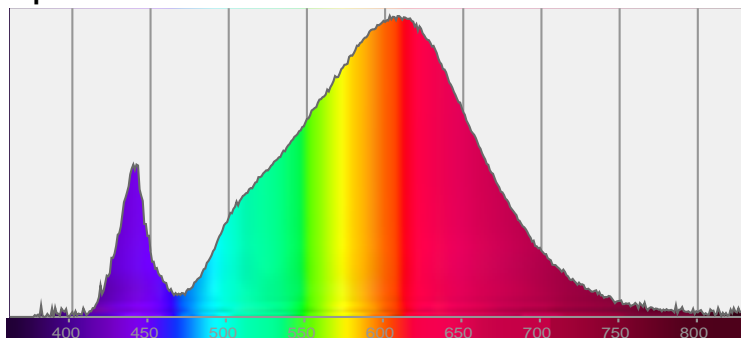


CIE 1931

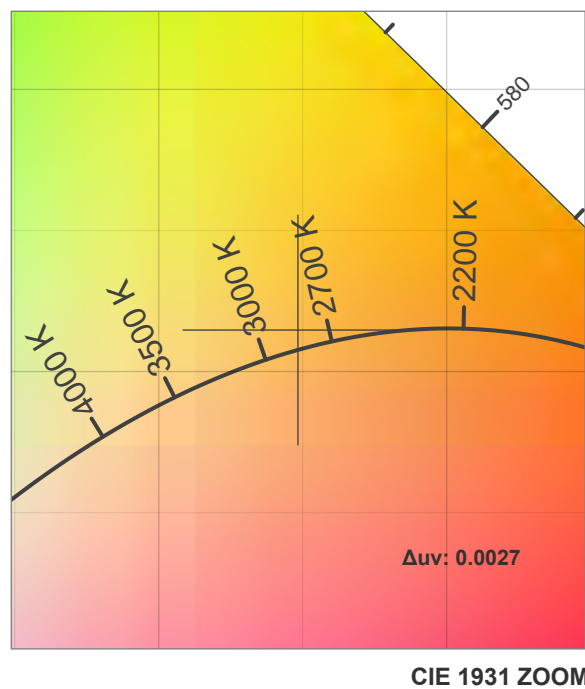
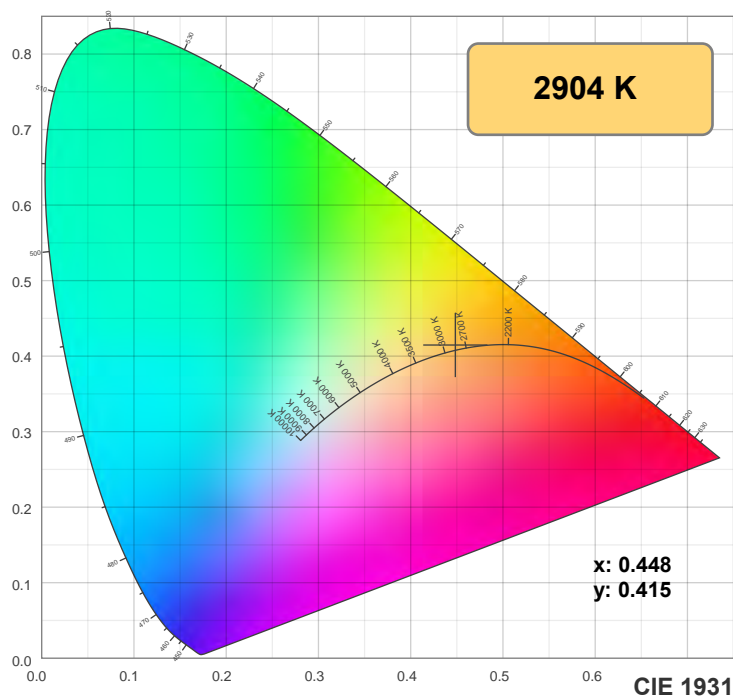
x: 0.448

y: 0.415

Spectra

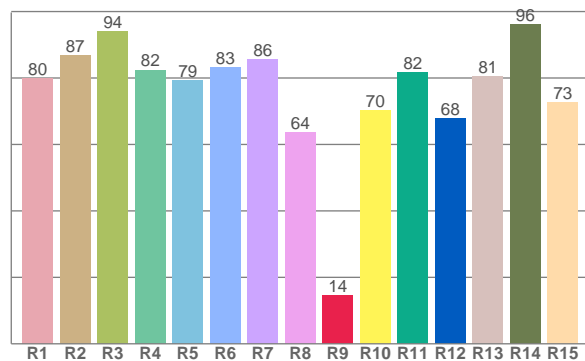
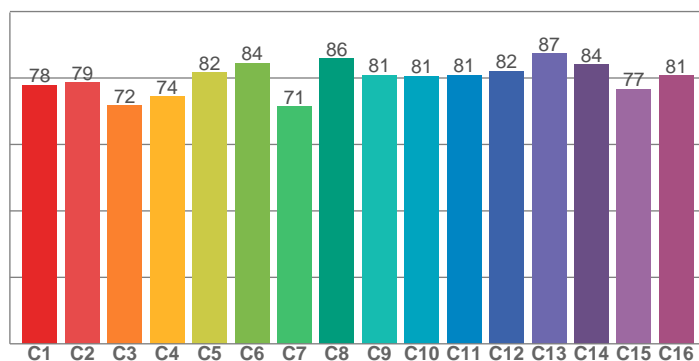


Color details



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
79.8	86.7	93.9	82.5	79.3	83.2	85.7	63.8	14.5	70.2	81.8	67.8	80.6	96.2	72.7

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
77.9	78.6	71.7	74.5	81.7	84.5	71.4	85.9	80.9	80.7	80.9	82.1	87.4	84.1	76.7	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	14.5	79.7	98.9	0.448	0.415	0.253	0.351	0.0027

TM30 details

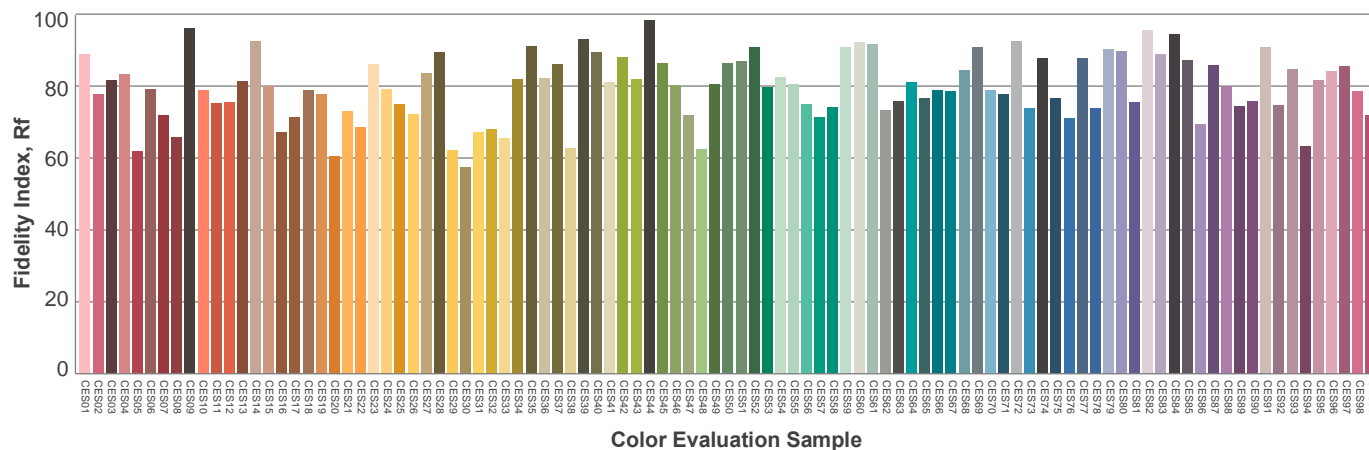
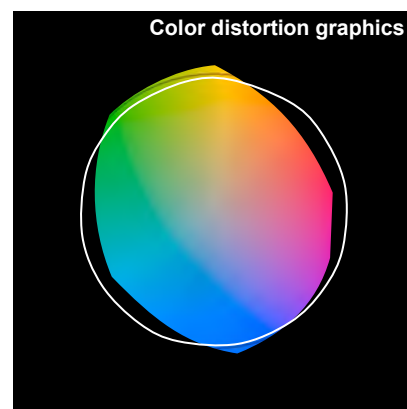
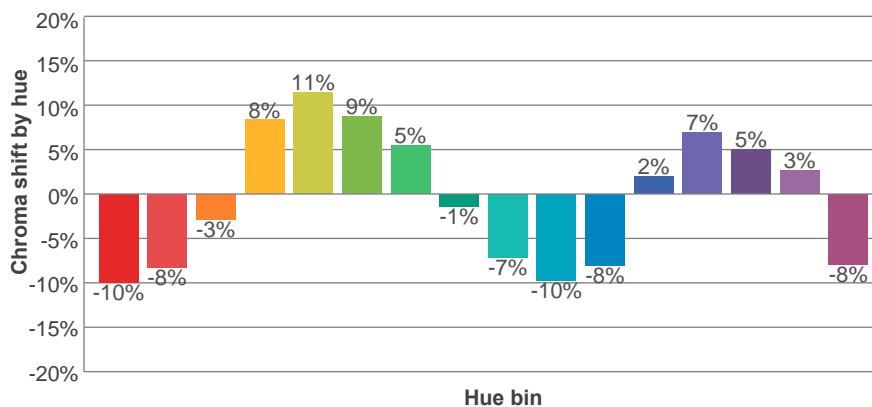
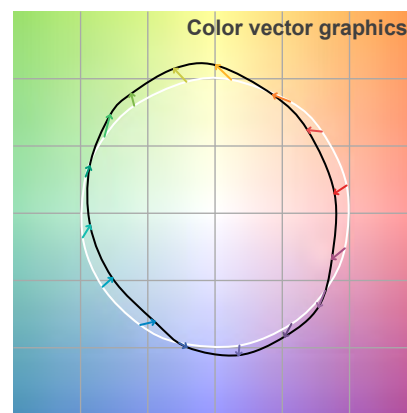
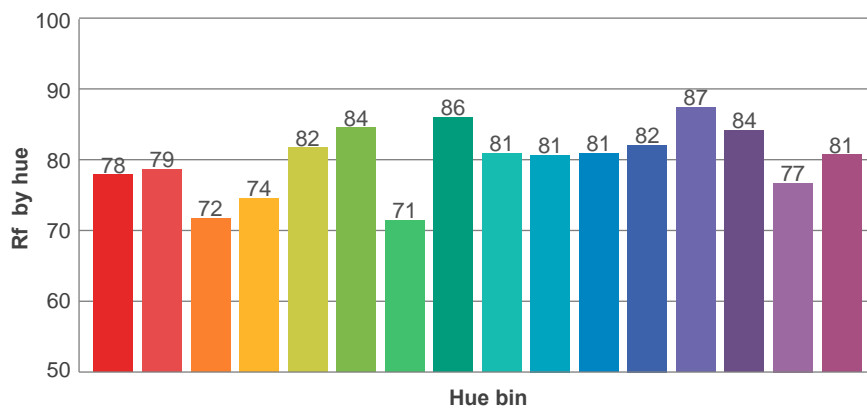
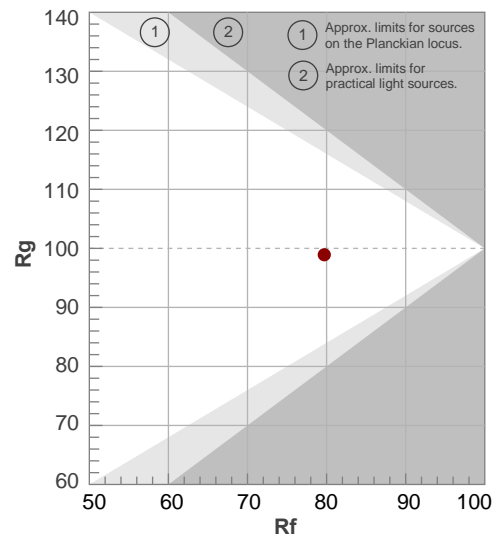
Rf 79.7

Fidelity index Rf

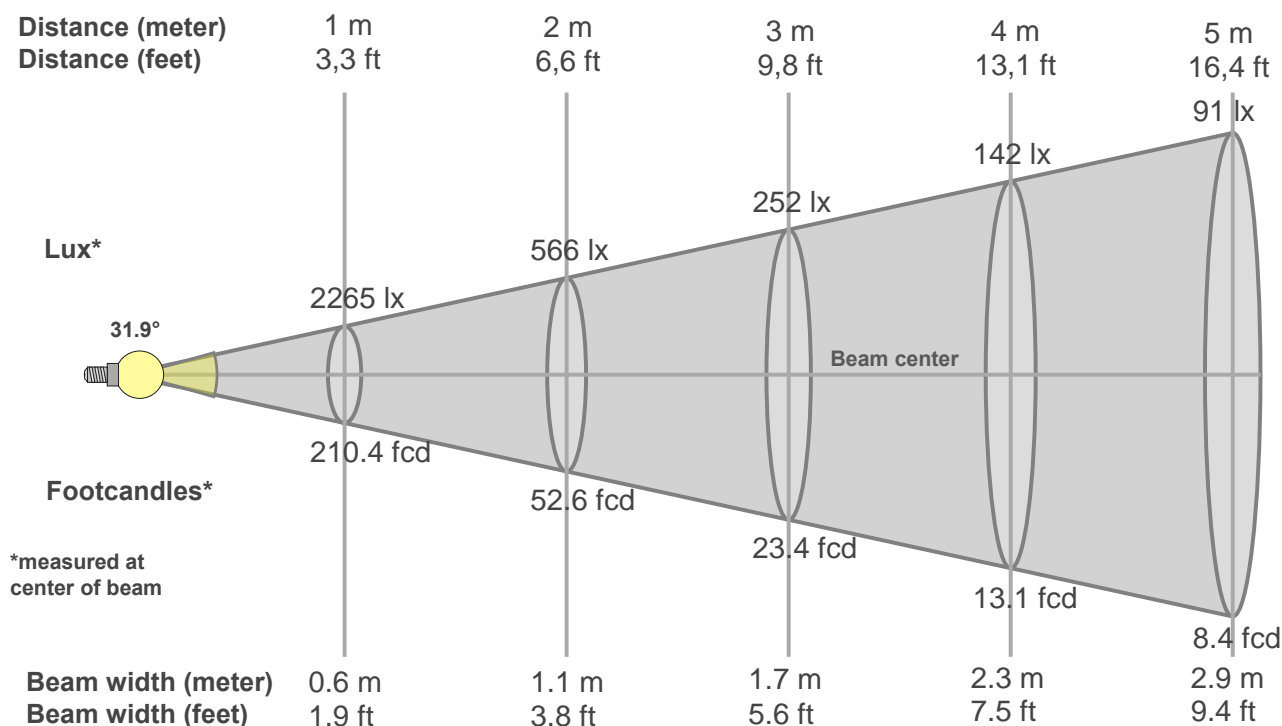
Rg 98.9

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	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
2265lx	566lx	252lx	142lx	91lx	63lx	46lx	35lx	28lx	23lx	19lx	16lx	13lx	12lx	10lx	9lx	8lx	7lx	6lx	6lx
210.4fcd	52.6fcd	23.4fcd	13.1fcd	8.4fcd	5.8fcd	4.3fcd	3.3fcd	2.6fcd	2.1fcd	1.7fcd	1.5fcd	1.2fcd	1.1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	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°
2265	2239	2196	2108	1988	1830	1627	1381	1131	939	780	639	510	412	360	313	264	209	152	97
100%	99%	97%	93%	88%	81%	72%	61%	50%	41%	34%	28%	23%	18%	16%	14%	12%	9%	7%	4%

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°
2265	2241	2199	2103	1977	1809	1599	1354	1124	948	798	662	536	430	368	317	265	213	156	101
100%	99%	97%	93%	87%	80%	71%	60%	50%	42%	35%	29%	24%	19%	16%	14%	12%	9%	7%	4%

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°
2265	2253	2208	2120	1987	1818	1610	1360	1131	952	805	669	542	434	366	314	262	210	153	99
100%	100%	98%	94%	88%	80%	71%	60%	50%	42%	36%	30%	24%	19%	16%	14%	12%	9%	7%	4%

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°
2265	2246	2196	2107	1987	1828	1630	1375	1122	930	772	631	503	418	361	314	266	214	156	101
100%	99%	97%	93%	88%	81%	72%	61%	50%	41%	34%	28%	22%	18%	16%	14%	12%	9%	7%	4%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
31.9°	66.9°	79.6°	98.2%	97.9%