

Light efficiency:

71 Lumen/Watt

Light quality:

CRI: 81.5

Color temperature:

2895 K

Output: 699 lm

Peak: 1208 cd

Power: 9.9 W

PF: 1.0



Beam angle

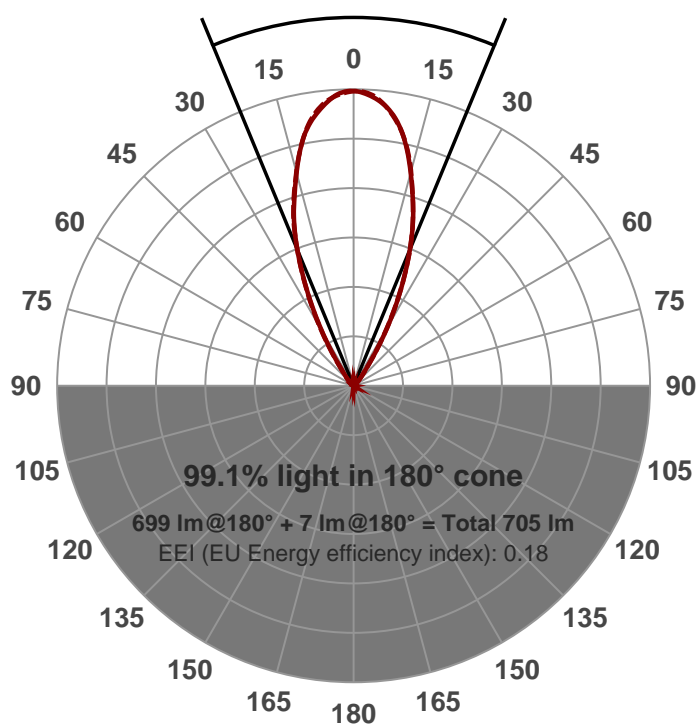
44.9°

Product name:

730-2-416-XTM19-10LM-30K-83-SSA40-CL

Date and time:

10/5/2016 3:43:40 PM

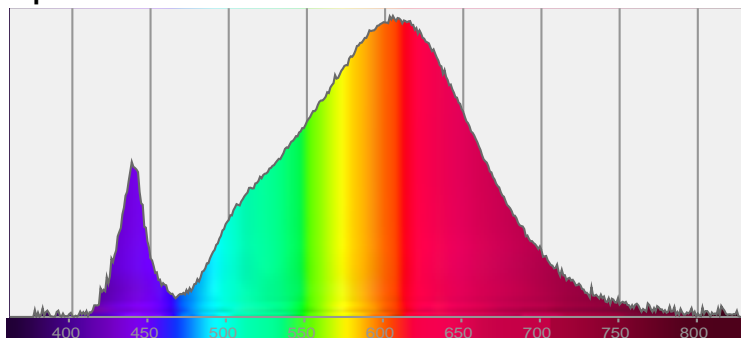


CIE 1931

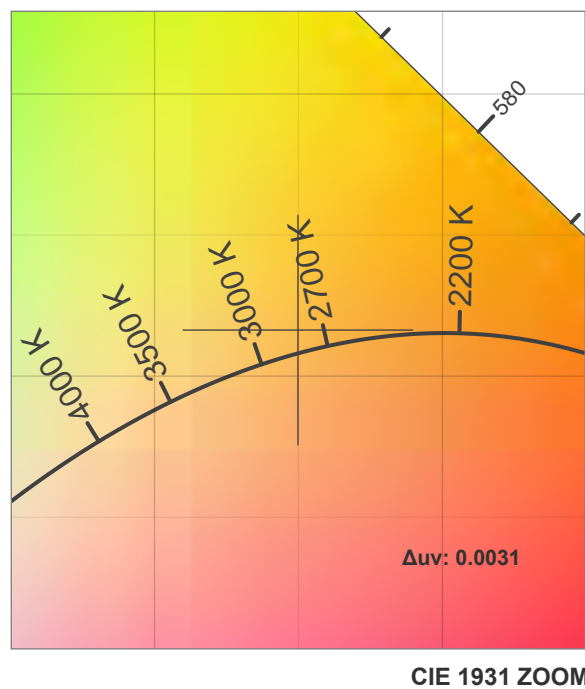
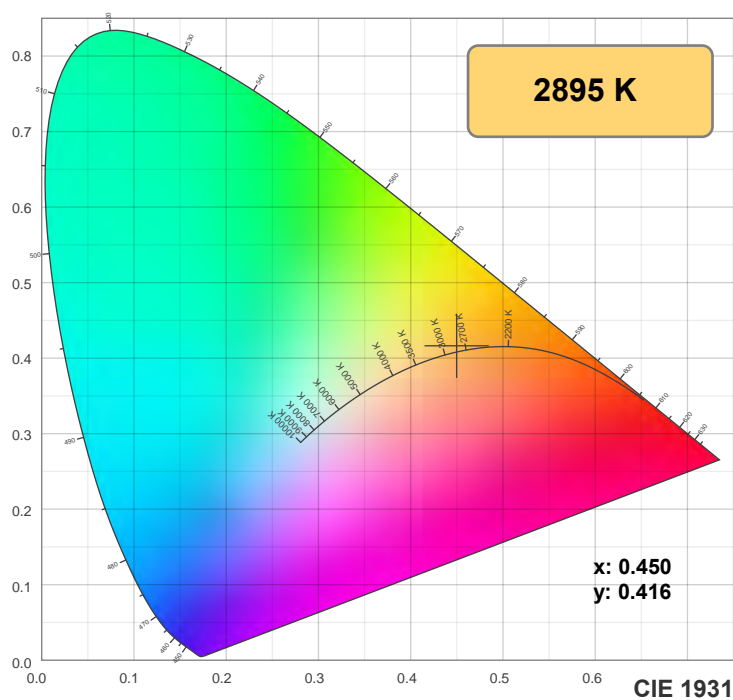
x: 0.450

y: 0.416

Spectra

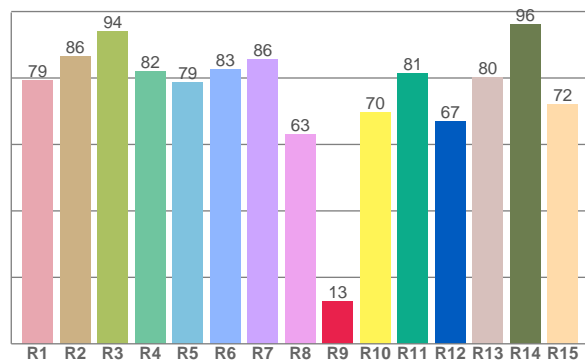
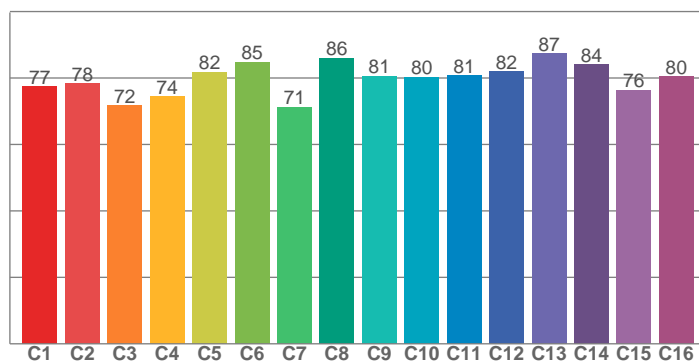


Color details



TM30: 79.6

CRI: 81.5 (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
79.2	86.4	94.0	82.1	78.8	82.7	85.5	63.0	12.7	69.5	81.3	67.0	80.1	96.2	72.0

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
77.4	78.3	71.7	74.5	81.8	84.8	71.2	86.0	80.6	80.3	80.7	82.0	87.5	84.0	76.4	80.4

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
2895 K	81.5	12.7	79.6	98.6	0.450	0.416	0.254	0.352	0.0031

TM30 details

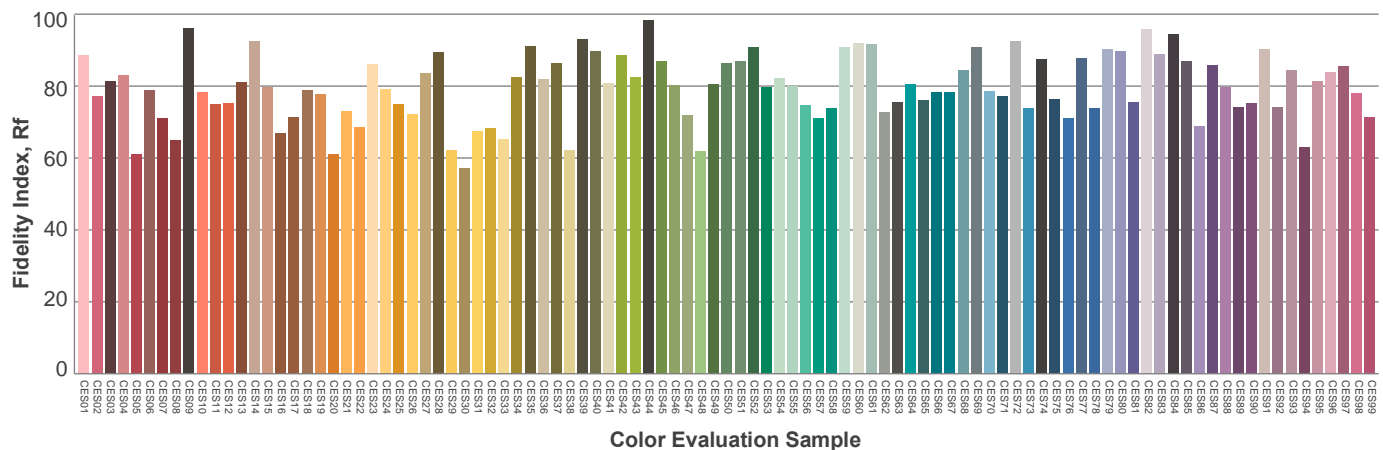
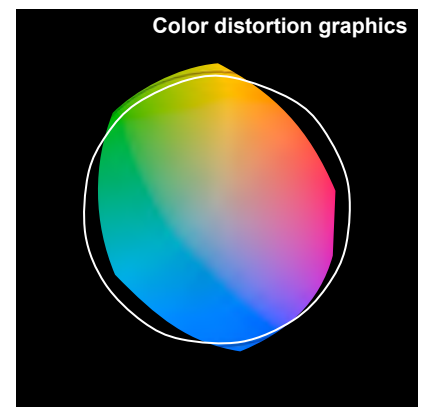
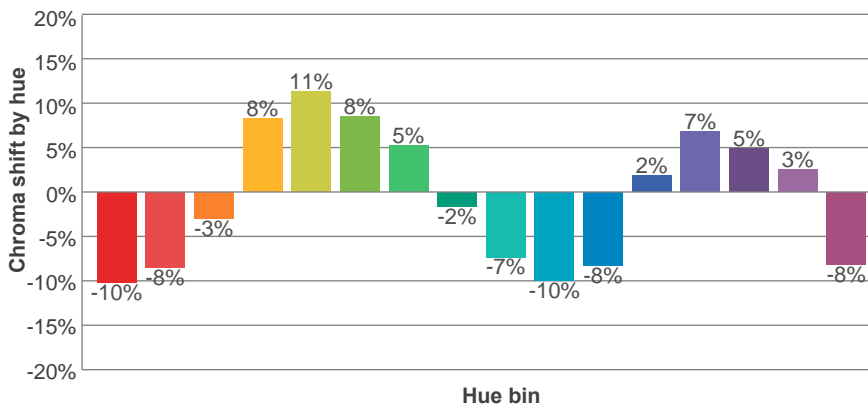
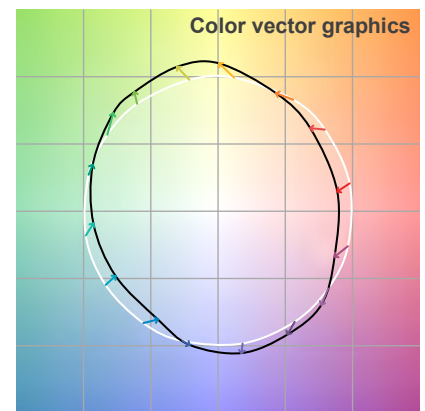
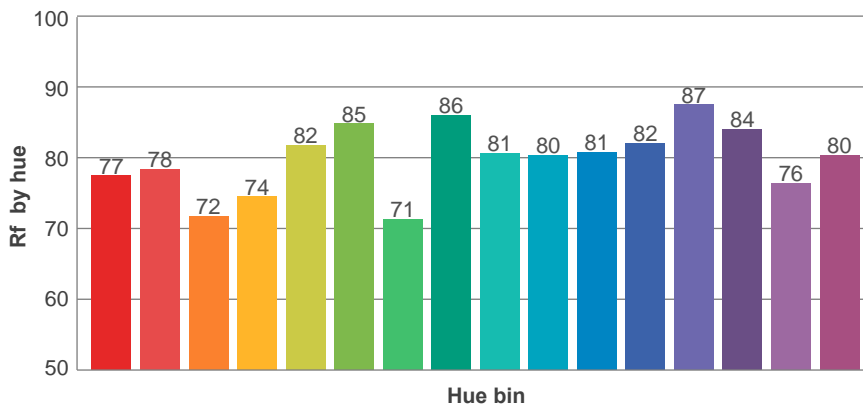
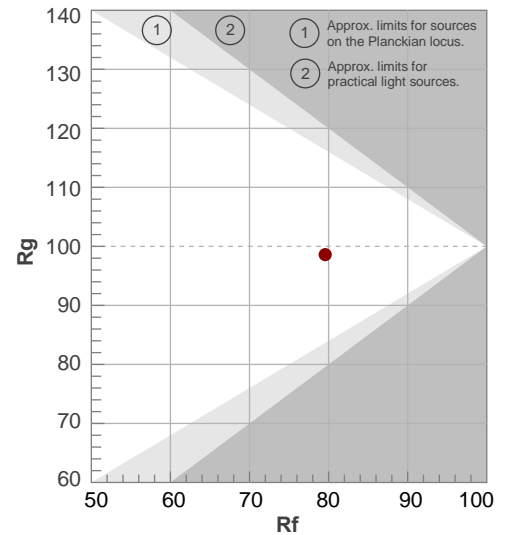
Rf 79.6

Fidelity index Rf

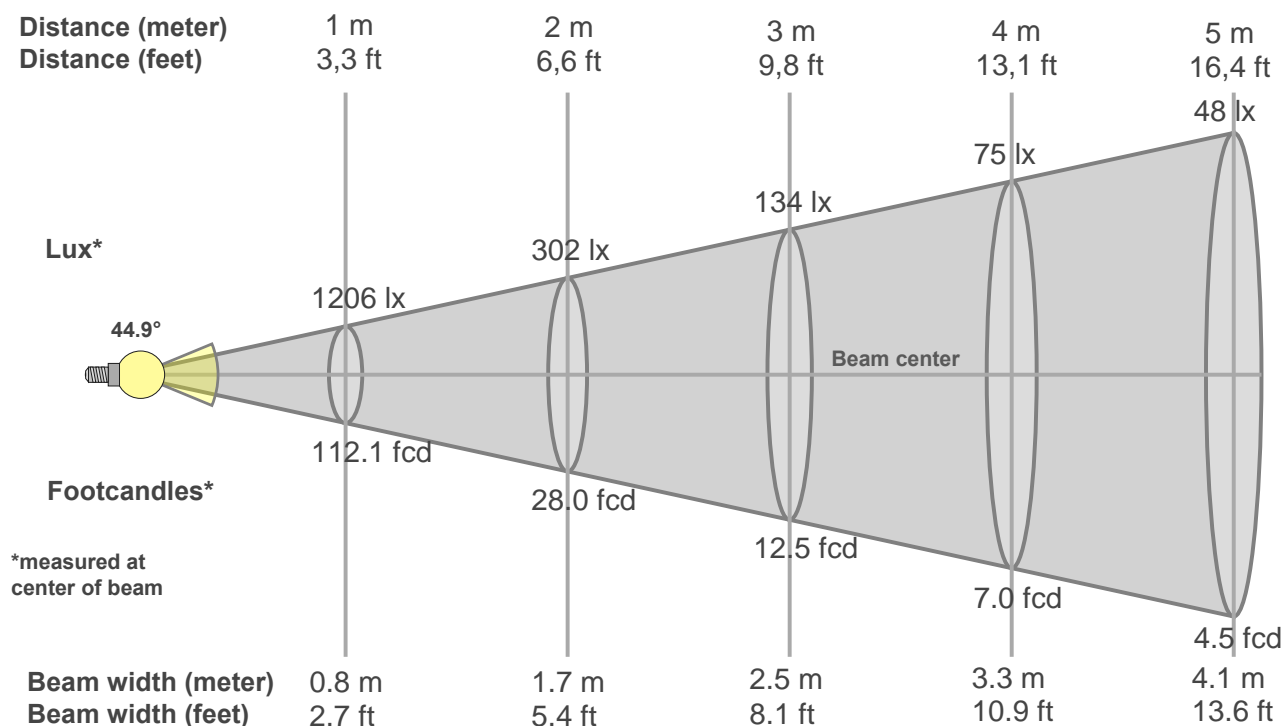
Rg 98.6

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	77	-10%	-4%
2	78	-8%	7%
3	72	-3%	13%
4	74	8%	13%
5	82	11%	7%
6	85	8%	-3%
7	71	5%	-16%
8	86	-2%	-8%
9	81	-7%	-8%
10	80	-10%	-1%
11	81	-8%	7%
12	82	2%	6%
13	87	7%	-2%
14	84	5%	-10%
15	76	3%	-13%
16	80	-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
1206lx	302lx	134lx	75lx	48lx	34lx	25lx	19lx	15lx	12lx	10lx	8lx	7lx	6lx	5lx	5lx	4lx	4lx	3lx	3lx
112.1fcd	28fcd	12.5fcd	7fcd	4.5fcd	3.1fcd	2.3fcd	1.8fcd	1.4fcd	1.1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	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°
1206	1203	1185	1156	1119	1075	1016	943	864	788	712	625	531	437	347	265	192	133	90	65
100%	100%	98%	96%	93%	89%	84%	78%	72%	65%	59%	52%	44%	36%	29%	22%	16%	11%	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°
1206	1199	1185	1163	1128	1081	1017	945	868	796	718	627	533	441	355	273	199	138	94	71
100%	99%	98%	96%	94%	90%	84%	78%	72%	66%	60%	52%	44%	37%	29%	23%	17%	11%	8%	6%

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°
1206	1199	1183	1160	1126	1079	1017	943	864	788	709	624	534	445	360	278	204	141	96	69
100%	99%	98%	96%	93%	89%	84%	78%	72%	65%	59%	52%	44%	37%	30%	23%	17%	12%	8%	6%

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°
1206	1204	1190	1162	1124	1077	1020	949	867	787	708	624	535	444	356	273	200	140	97	70
100%	100%	99%	96%	93%	89%	85%	79%	72%	65%	59%	52%	44%	37%	29%	23%	17%	12%	8%	6%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44.9°	69.4°	88.4°	97.9%	95.5%