

Light efficiency:

64 Lumen/Watt

Light quality:

CRI: 81.5

Color temperature:

2895 K

Output: 633 lm

Peak: 1094 cd

Power: 9.9 W

PF: 1.0



Beam angle

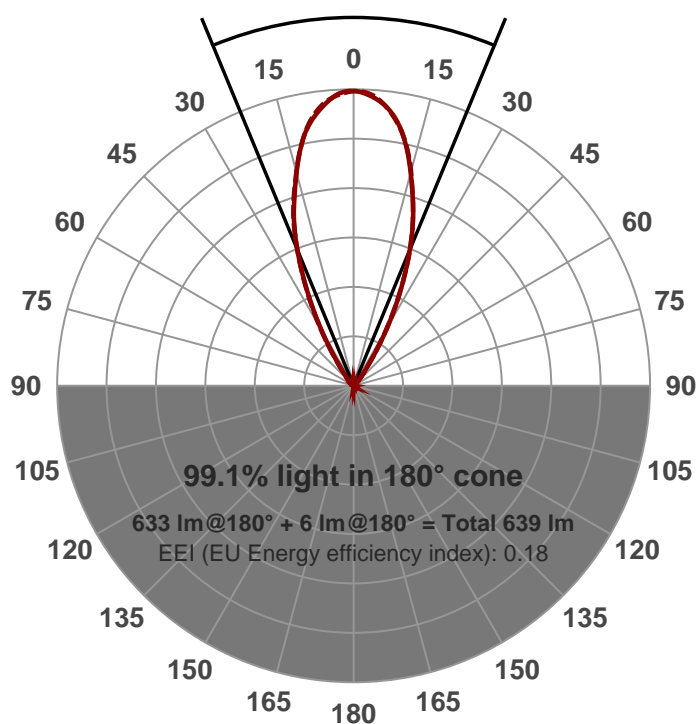
44.9°

Product name:

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

Date and time:

10/5/2016 3:43:40 PM

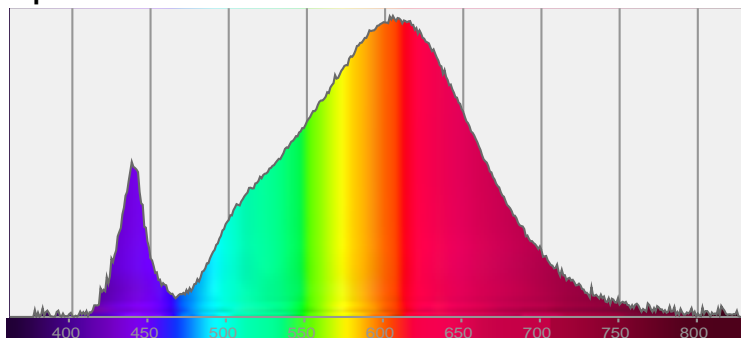


CIE 1931

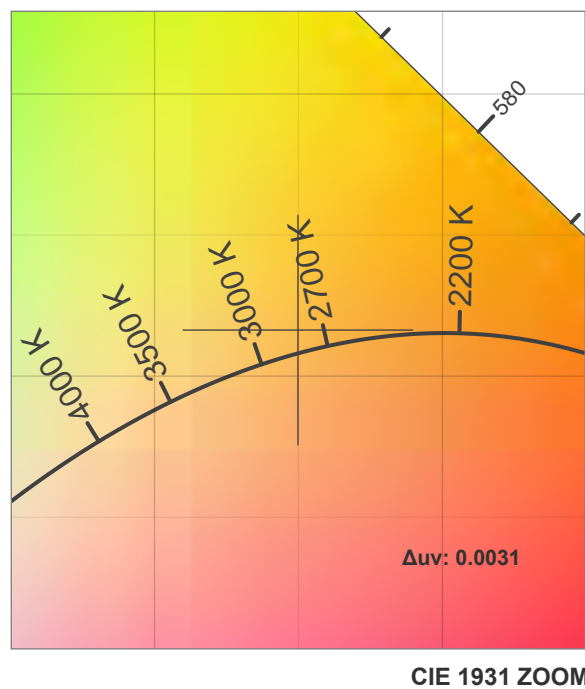
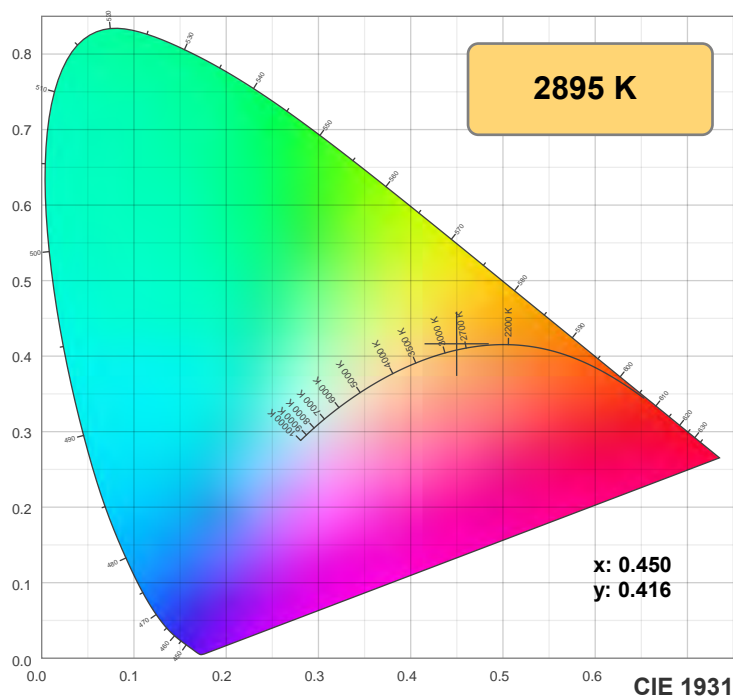
x: 0.450

y: 0.416

Spectra

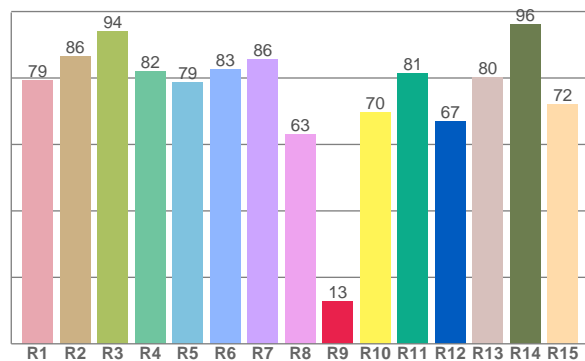
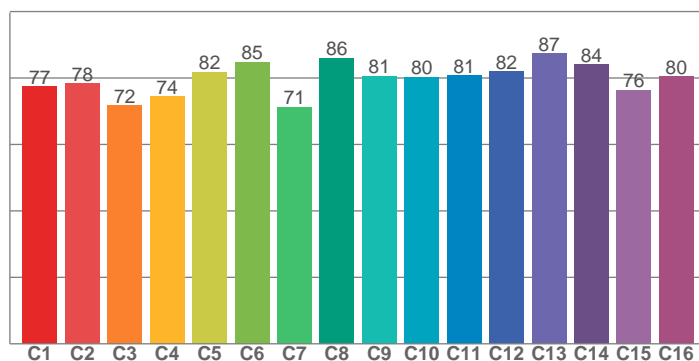


Color details



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

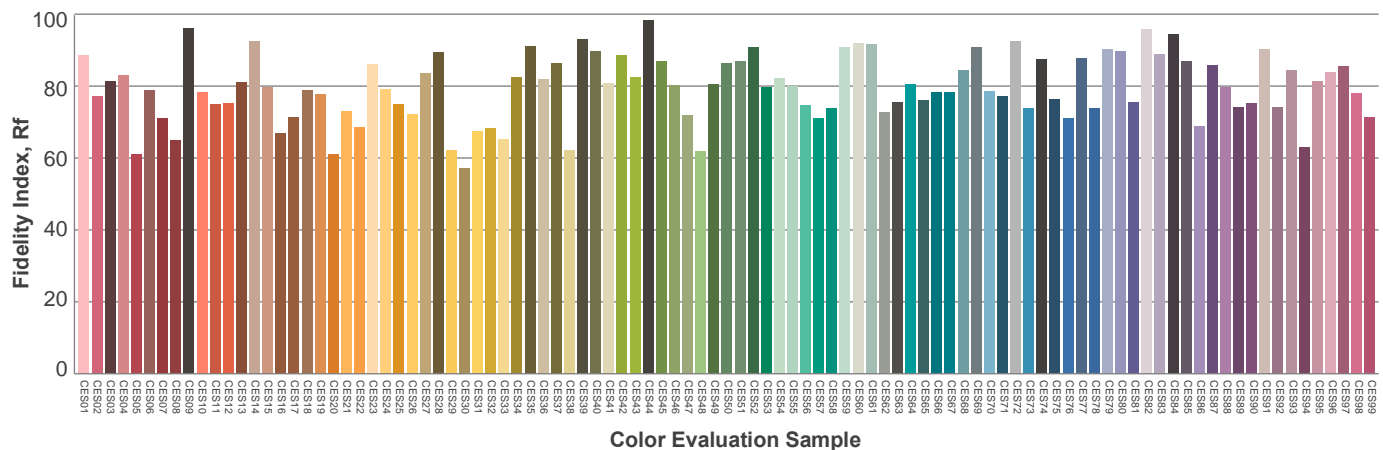
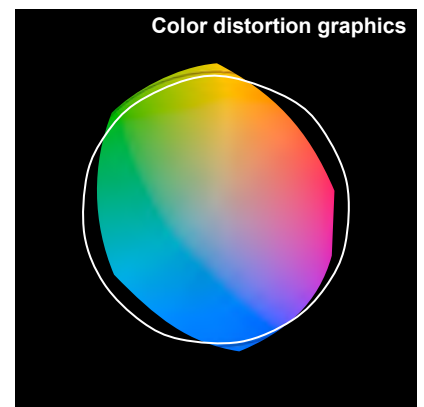
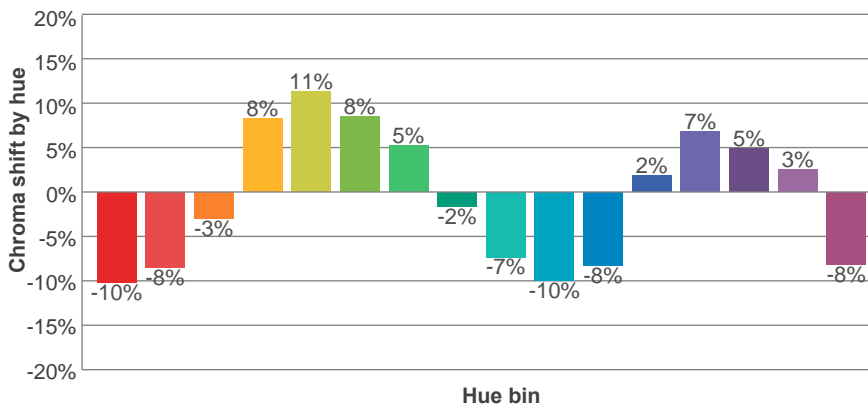
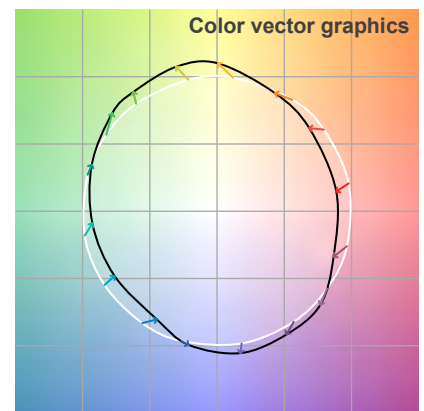
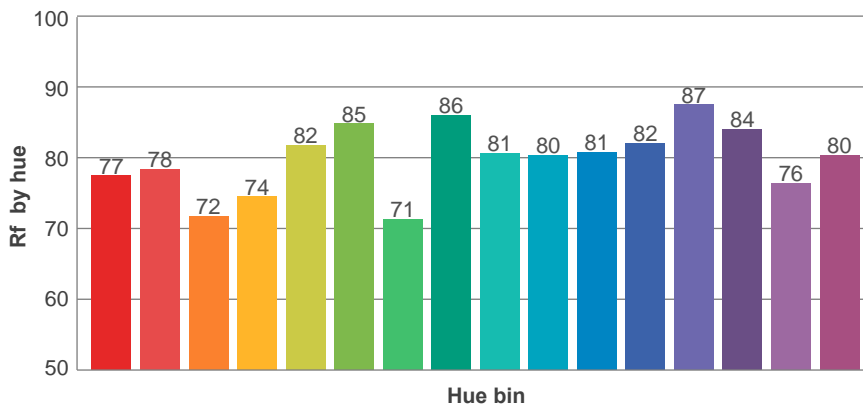
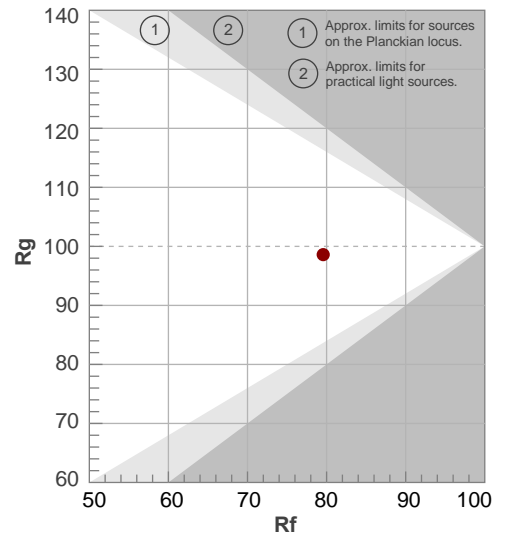
Rf 79.6

Fidelity index Rf

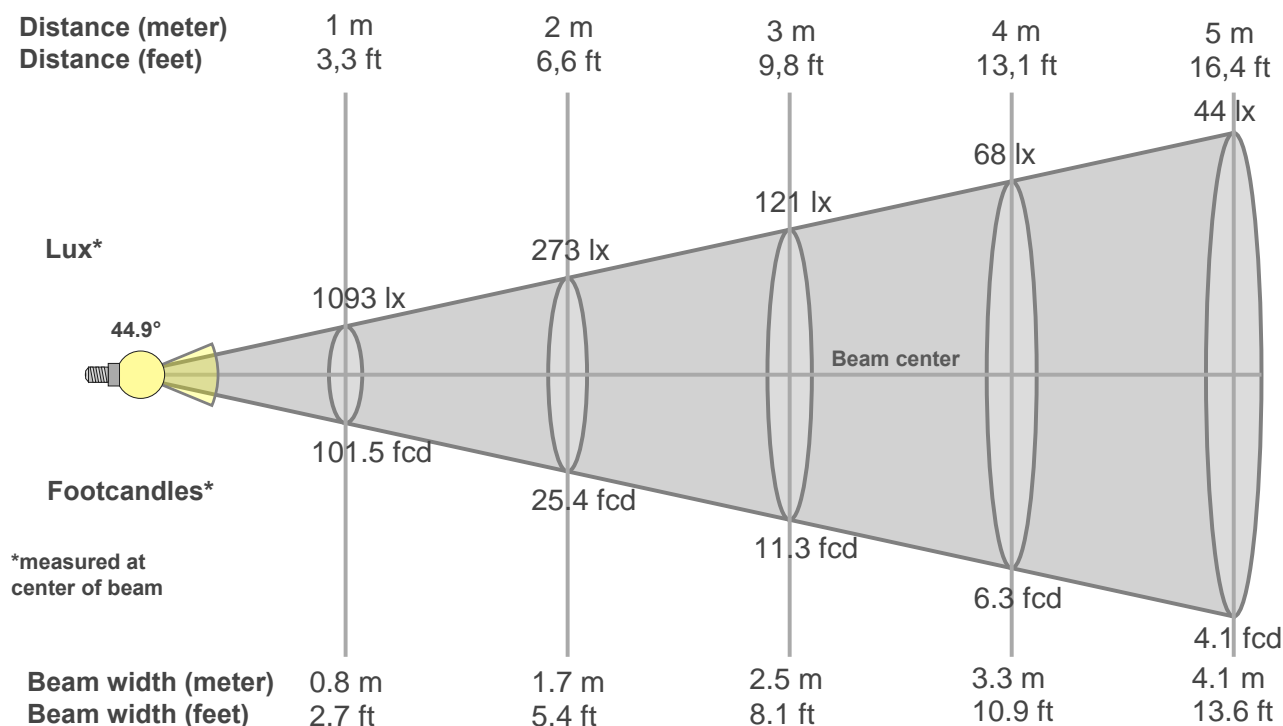
Rg 98.6

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
1093lx	273lx	121lx	68lx	44lx	30lx	22lx	17lx	13lx	11lx	9lx	8lx	6lx	6lx	5lx	4lx	4lx	3lx	3lx	3lx
101.5fcd	25.4fcd	11.3fcd	6.3fcd	4.1fcd	2.8fcd	2.1fcd	1.6fcd	1.3fcd	1fcd	0.8fcd	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°
1093	1089	1073	1047	1014	974	921	854	783	714	645	566	481	396	314	240	174	120	82	59
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°
1093	1086	1074	1054	1022	979	922	856	786	721	651	568	482	399	322	247	181	125	85	64
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°
1093	1086	1072	1050	1020	977	921	854	783	713	643	565	484	403	326	252	185	128	87	63
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°
1093	1090	1078	1052	1018	976	924	859	785	713	641	566	485	402	322	247	181	127	88	63
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%