

Light efficiency:

72 Lumen/Watt

Light quality:

CRI: 81.7

Color temperature:

2888 K

Output: 715 lm

Peak: 1400 cd

Power: 9.9 W

PF: 1.0



Beam angle

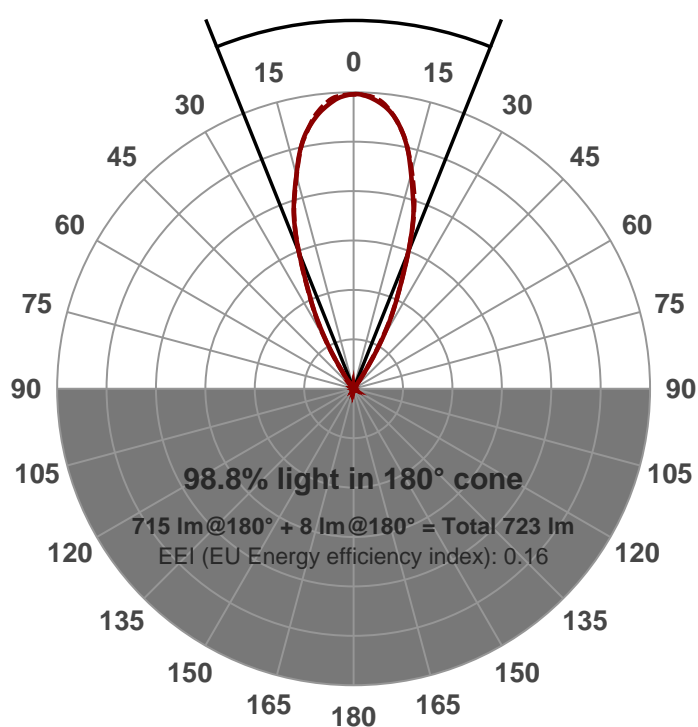
43.6°

Product name:

730-2-416-XTM19-10LM-30K-83-SA40-FR

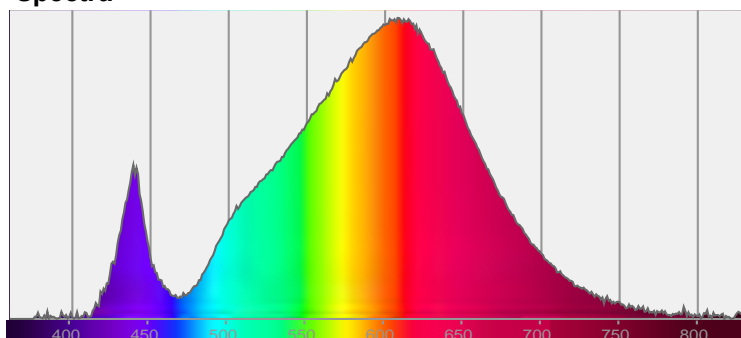
Date and time:

10/5/2016 3:35:42 PM

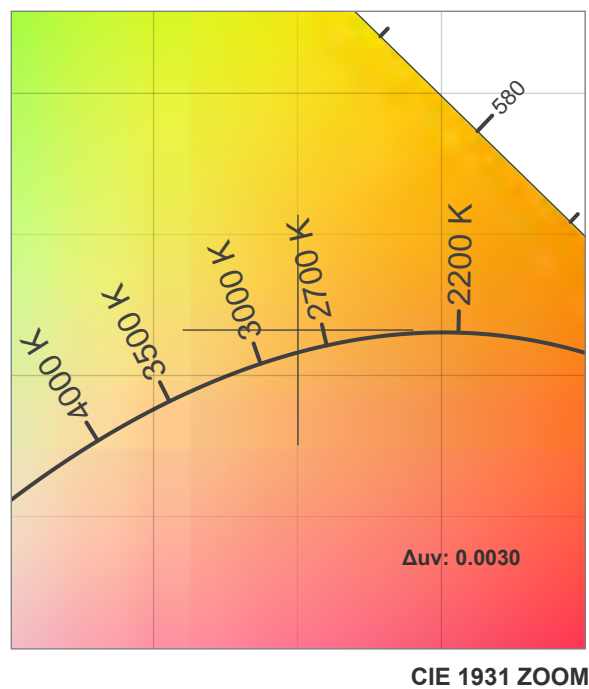
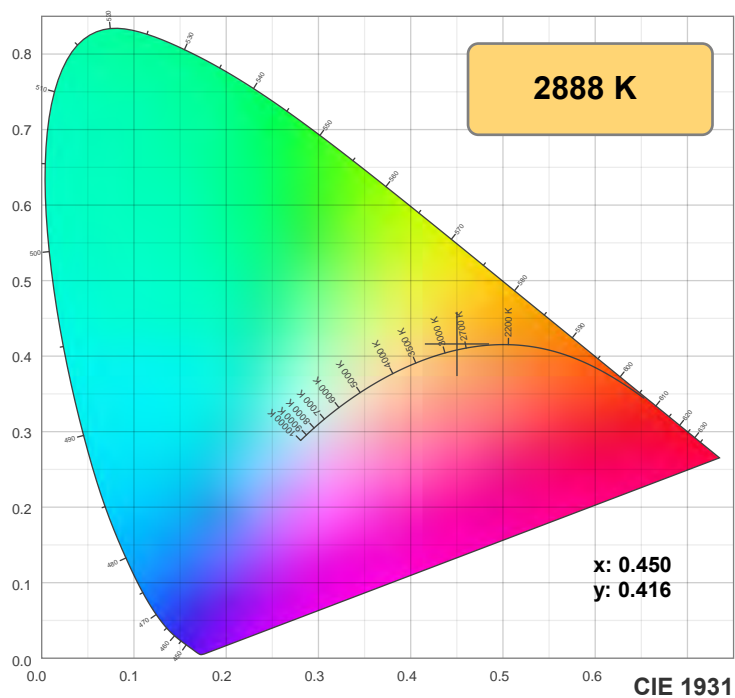


CIE 1931
 x: 0.450
 y: 0.416

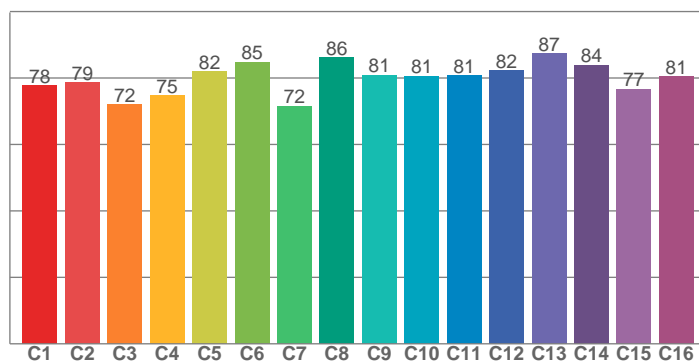
Spectra



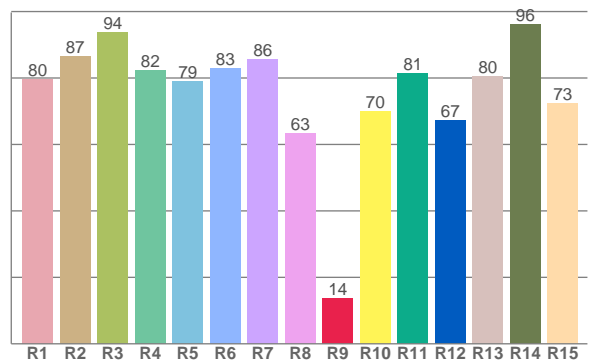
Color details



TM30: 79.8



CRI: 81.7 (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
79.6	86.6	93.9	82.3	79.1	83.0	85.7	63.4	13.7	69.8	81.5	67.4	80.4	96.1	72.5

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
77.7	78.6	71.9	74.8	81.9	84.9	71.6	86.1	80.9	80.6	80.8	82.2	87.4	84.0	76.7	80.5

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
2888 K	81.7	13.7	79.8	98.7	0.450	0.416	0.254	0.352	0.0030

TM30 details

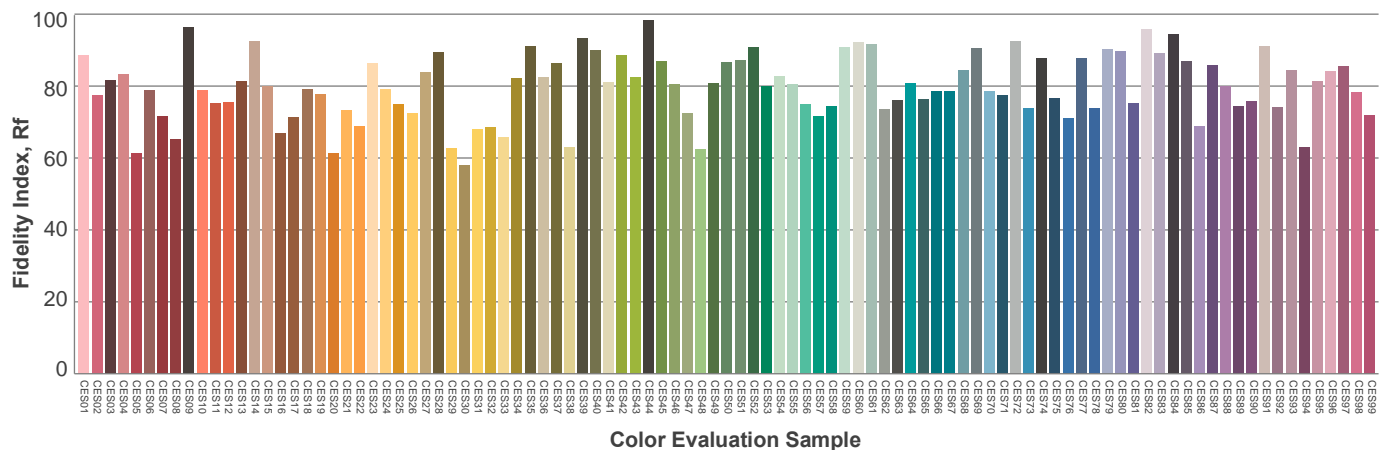
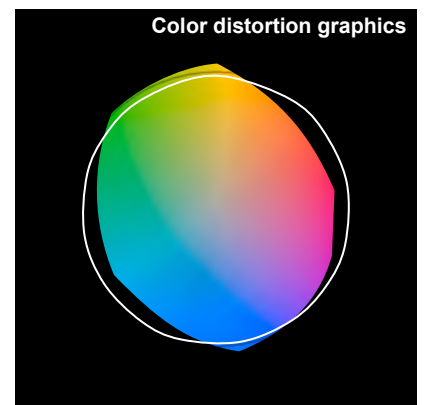
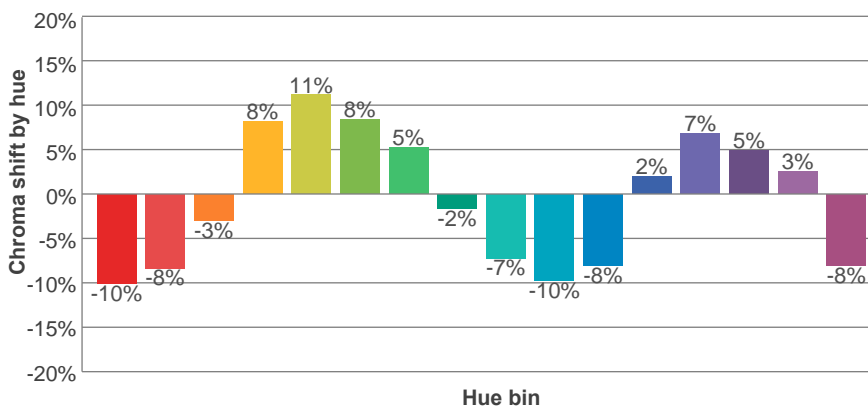
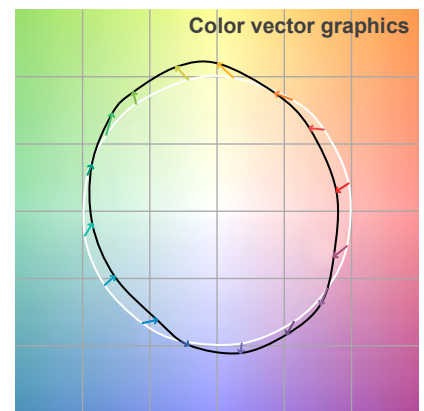
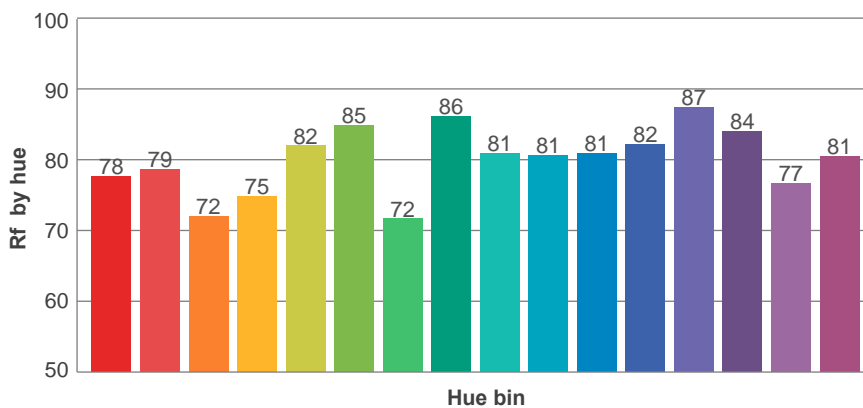
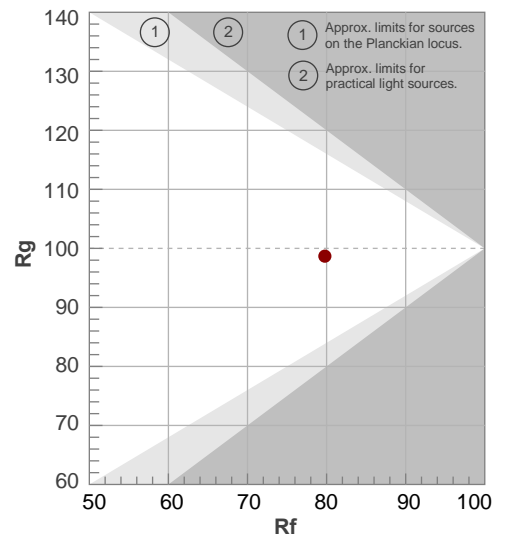
Rf 79.8

Fidelity index Rf

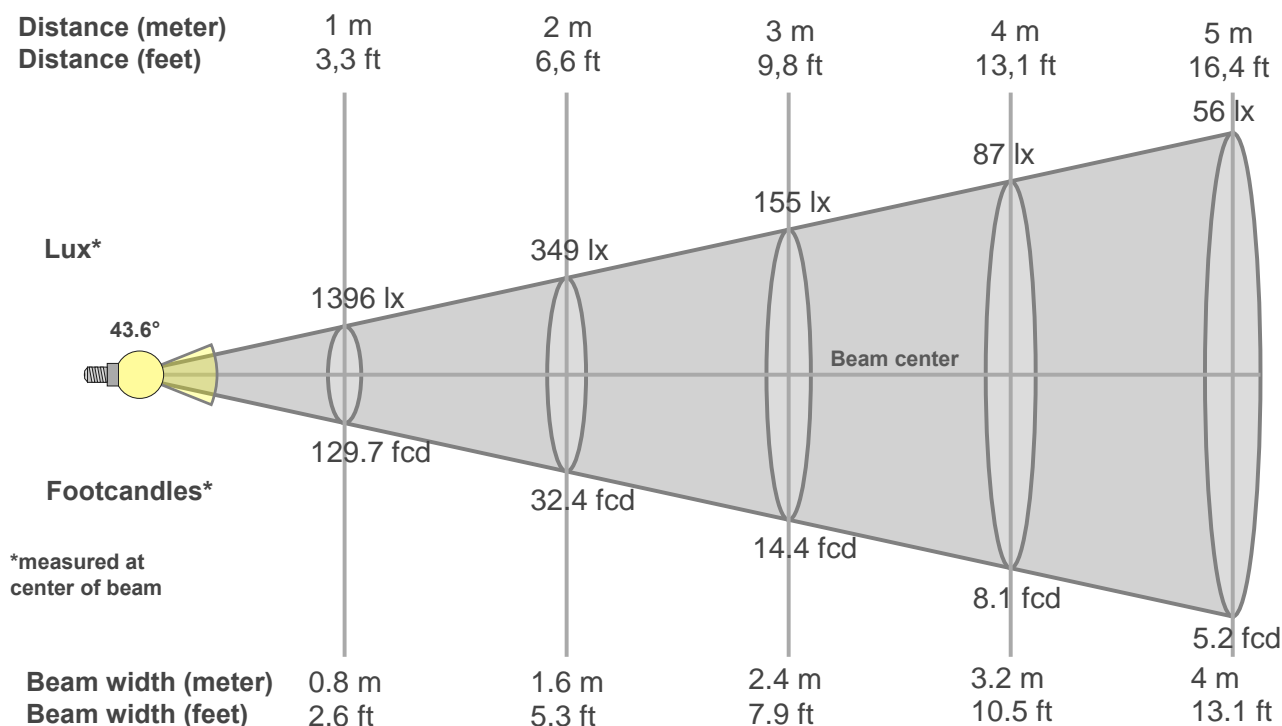
Rg 98.7

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	78	-10%	-4%
2	79	-8%	7%
3	72	-3%	13%
4	75	8%	13%
5	82	11%	7%
6	85	8%	-3%
7	72	5%	-16%
8	86	-2%	-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
1396lx	349lx	155lx	87lx	56lx	39lx	28lx	22lx	17lx	14lx	12lx	10lx	8lx	7lx	6lx	5lx	5lx	4lx	4lx	3lx
129.7fcd	32.4fcd	14.4fcd	8.1fcd	5.2fcd	3.6fcd	2.6fcd	2fcd	1.6fcd	1.3fcd	1.1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	0.5fcd	0.4fcd	0.4fcd	0.4fcd	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°
1396	1388	1368	1338	1298	1249	1183	1097	1005	917	813	687	559	453	355	253	157	78	35	19
100%	99%	98%	96%	93%	89%	85%	79%	72%	66%	58%	49%	40%	32%	25%	18%	11%	6%	2%	1%

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°
1396	1393	1383	1352	1309	1249	1183	1093	1001	914	812	686	562	458	366	264	168	85	35	21
100%	100%	99%	97%	94%	89%	85%	78%	72%	65%	58%	49%	40%	33%	26%	19%	12%	6%	3%	2%

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°
1396	1392	1376	1351	1315	1262	1192	1103	1008	917	812	687	564	460	365	267	170	89	40	21
100%	100%	99%	97%	94%	90%	85%	79%	72%	66%	58%	49%	40%	33%	26%	19%	12%	6%	3%	1%

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°
1396	1394	1384	1361	1317	1262	1195	1111	1023	930	818	686	558	456	358	253	154	75	32	19
100%	100%	99%	97%	94%	90%	86%	80%	73%	67%	59%	49%	40%	33%	26%	18%	11%	5%	2%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
43.6°	65°	72°	97.8%	97.2%