

Light efficiency:

79 Lumen/Watt

Light quality:

CRI: 81.7

Color temperature:

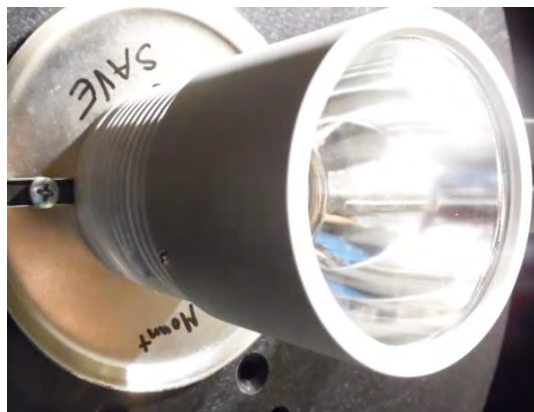
2888 K

Output: 779 lm

Peak: 1527 cd

Power: 9.9 W

PF: 1.0



Beam angle

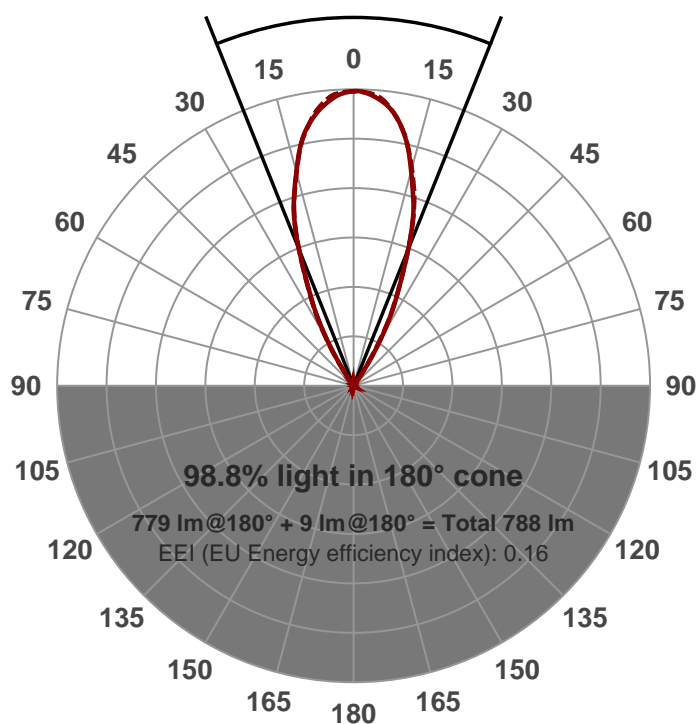
43.6°

Product name:

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

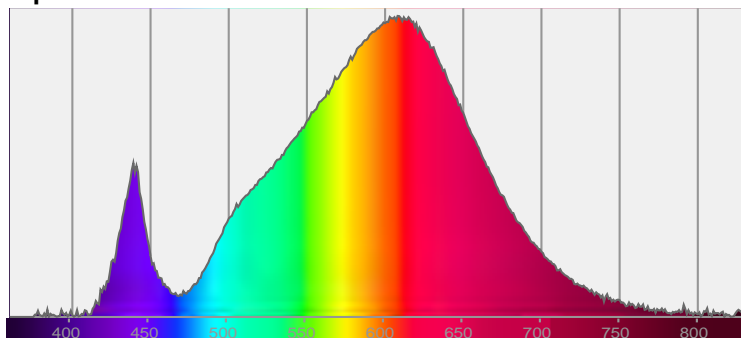
Date and time:

10/5/2016 3:35:42 PM

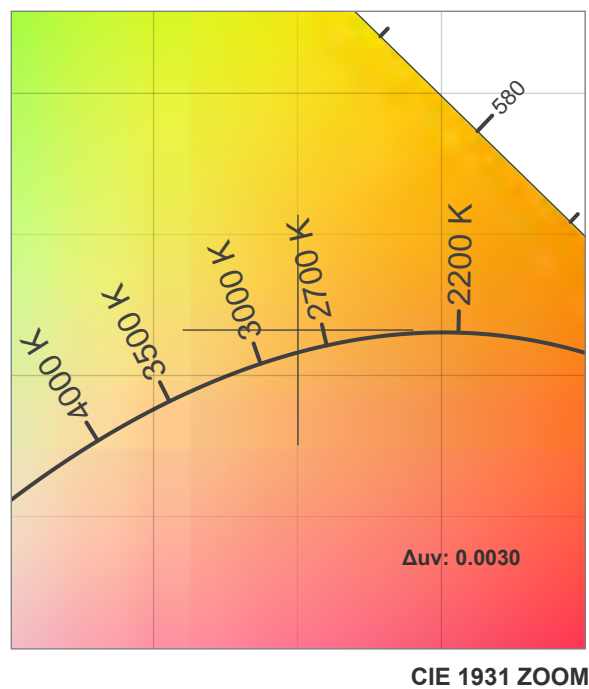
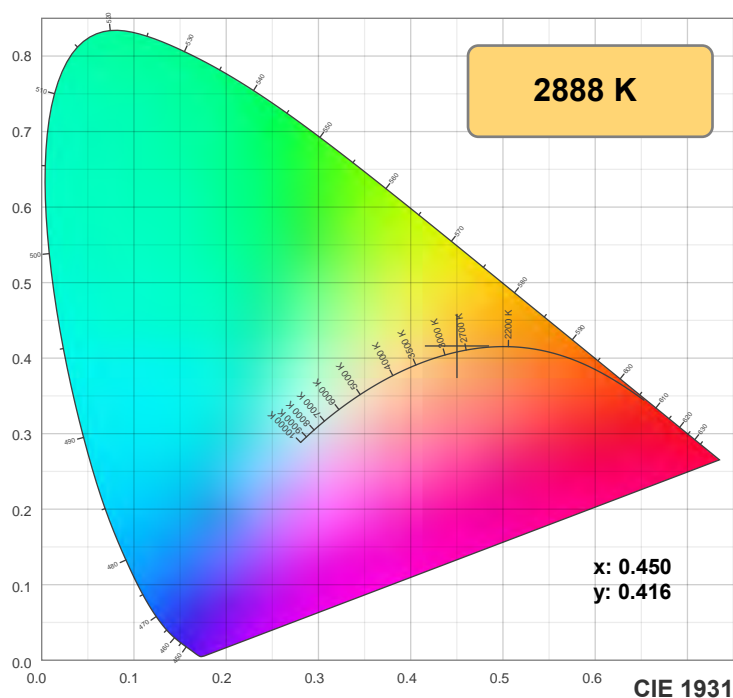


CIE 1931
x: 0.450
y: 0.416

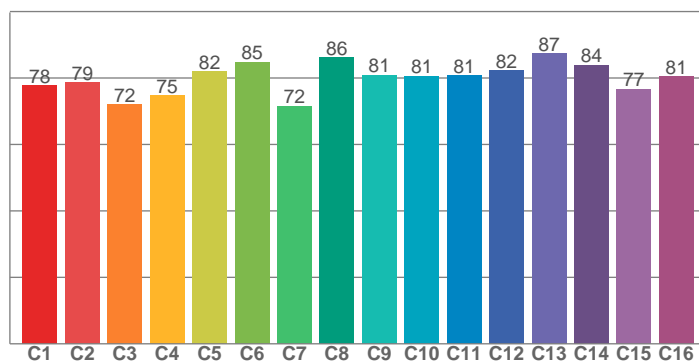
Spectra



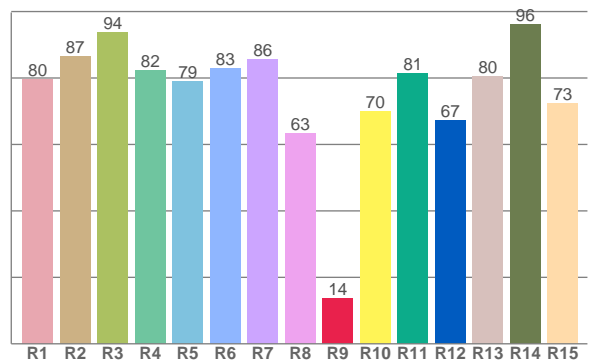
Color details



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

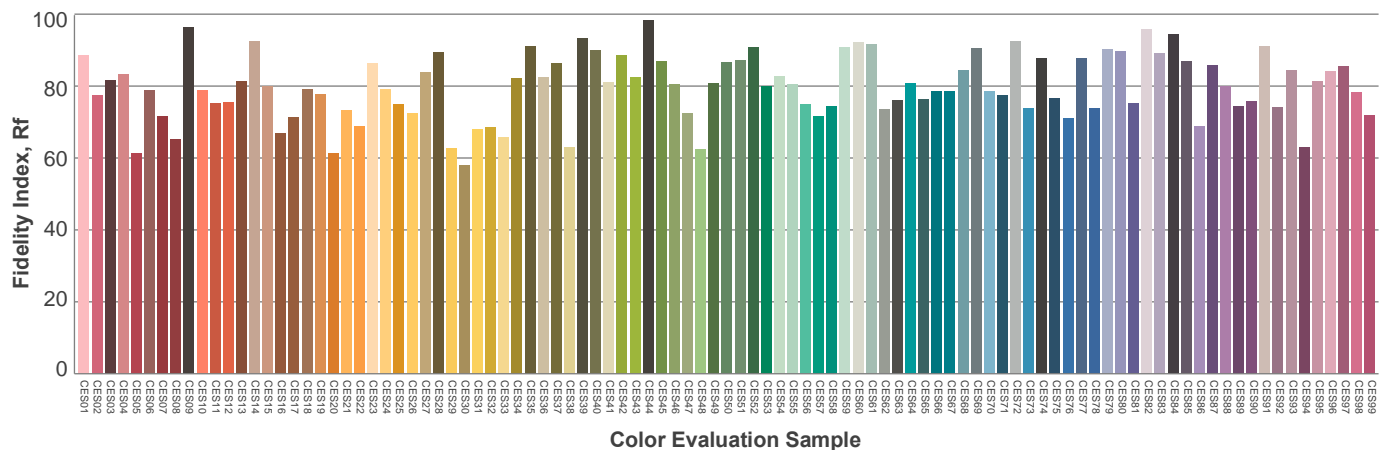
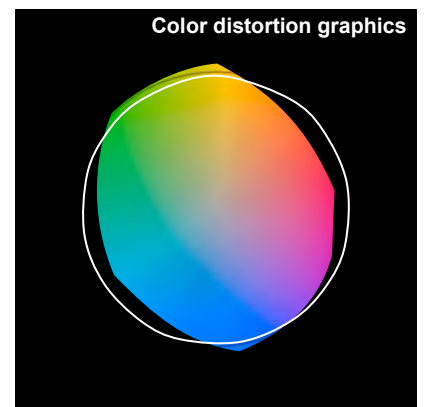
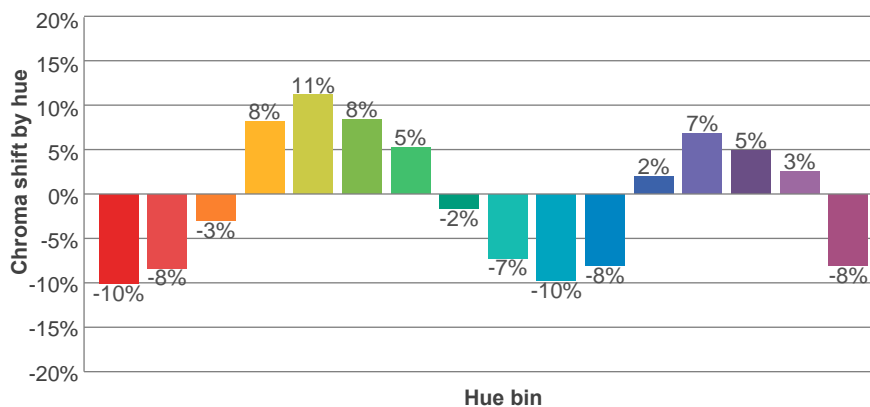
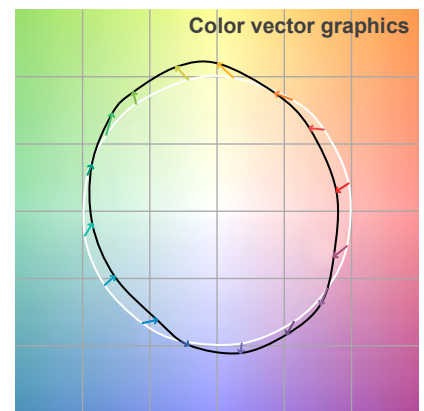
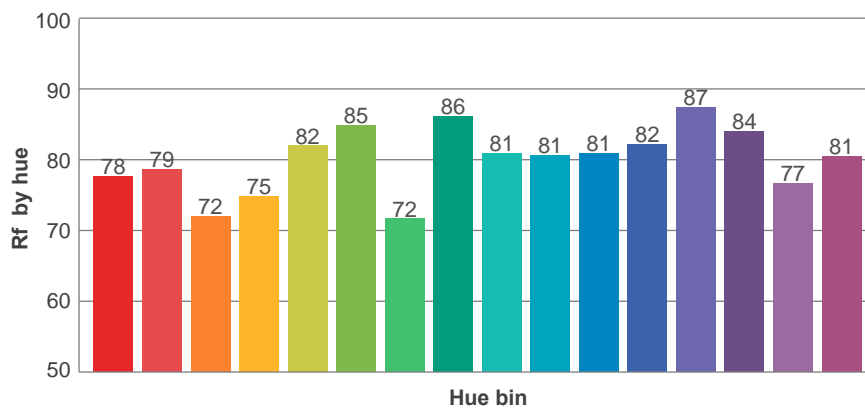
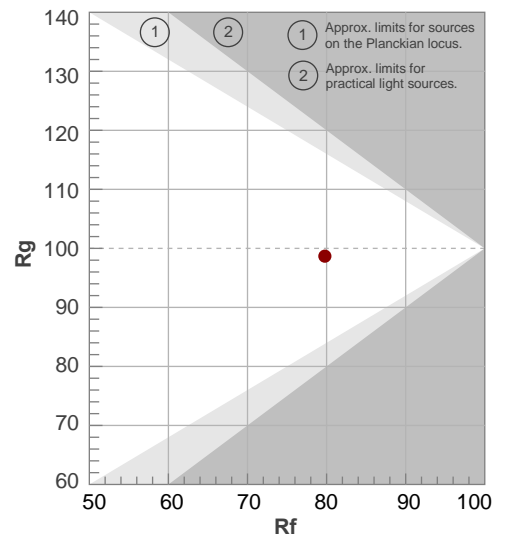
Rf 79.8

Fidelity index Rf

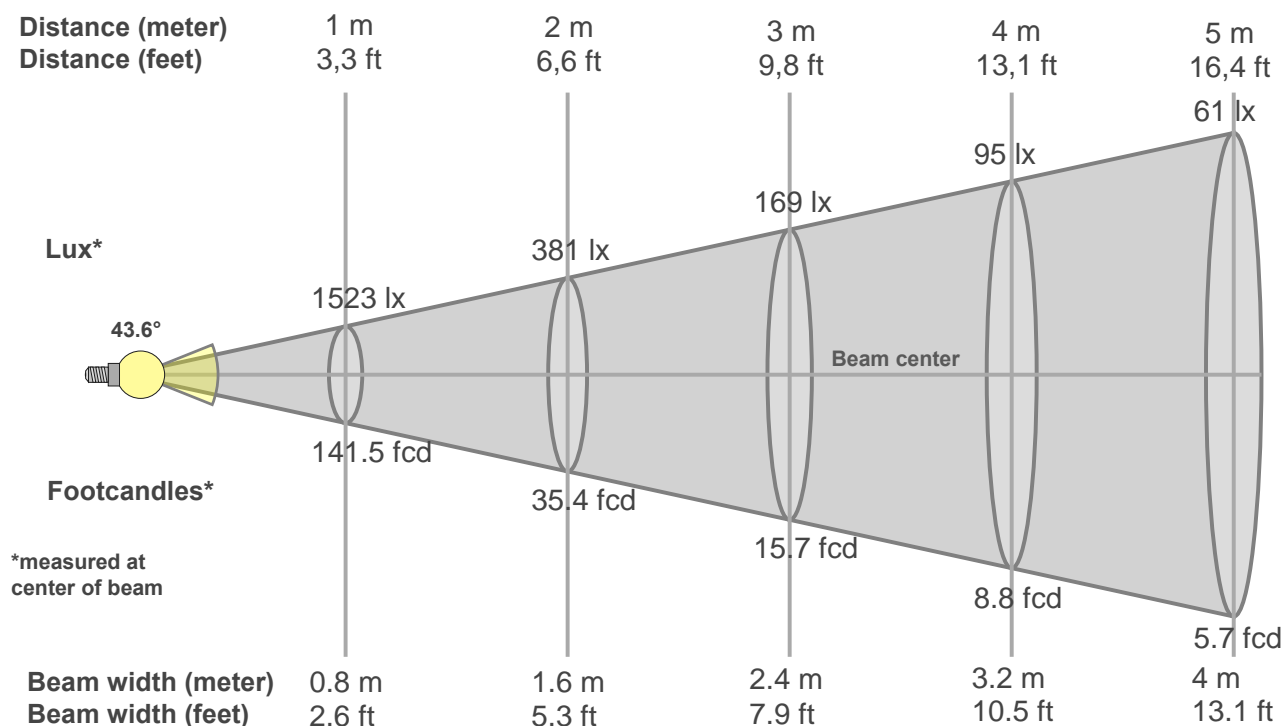
Rg 98.7

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
1523lx	381lx	169lx	95lx	61lx	42lx	31lx	24lx	19lx	15lx	13lx	11lx	9lx	8lx	7lx	6lx	5lx	5lx	4lx	4lx
141.5fcd	35.4fcd	15.7fcd	8.8fcd	5.7fcd	3.9fcd	2.9fcd	2.2fcd	1.7fcd	1.4fcd	1.2fcd	1fcd	0.8fcd	0.7fcd	0.6fcd	0.6fcd	0.5fcd	0.4fcd	0.4fcd	0.4fcd

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°
1523	1514	1492	1458	1416	1362	1290	1196	1096	999	887	749	610	494	387	276	171	86	38	20
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°
1523	1519	1508	1475	1427	1362	1290	1192	1091	997	886	749	613	500	399	288	184	93	39	23
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°
1523	1518	1501	1473	1434	1376	1300	1203	1099	1000	885	749	615	501	398	291	185	97	44	23
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°
1523	1520	1510	1484	1437	1376	1303	1212	1115	1015	892	748	608	497	391	276	168	82	35	20
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%