

Light efficiency:

87 Lumen/Watt

Light quality:

CRI: 81.8

Color temperature:

2898 K

Output: 892 lm

Peak: 4056 cd

Power: 10.2 W

PF: 1.0



Beam angle

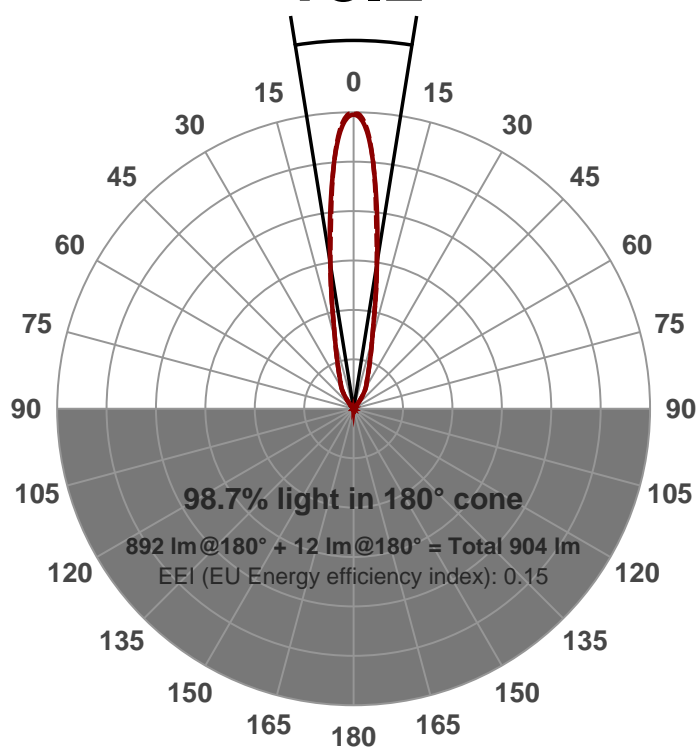
18.2°

Product name:

730-2-411-XTM19-10LM-30K-83-SA20

Date and time:

9/30/2016 3:06:40 PM

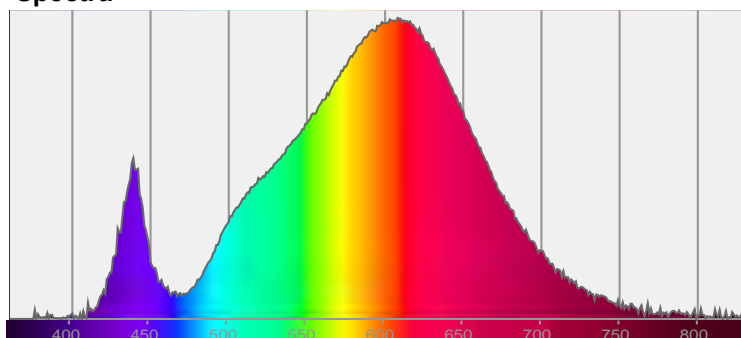


CIE 1931

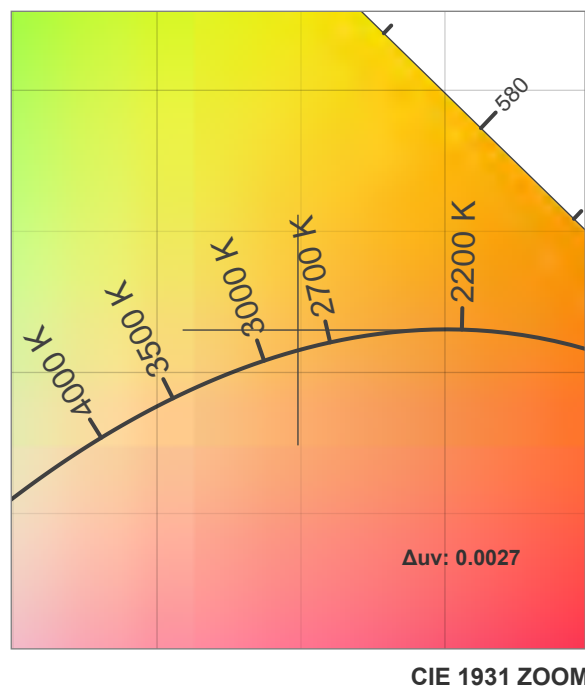
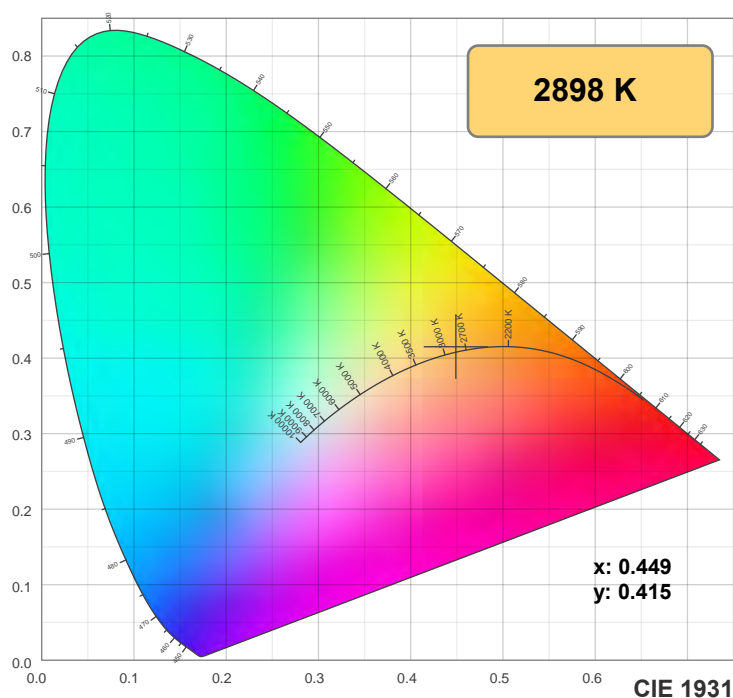
x: 0.449

y: 0.415

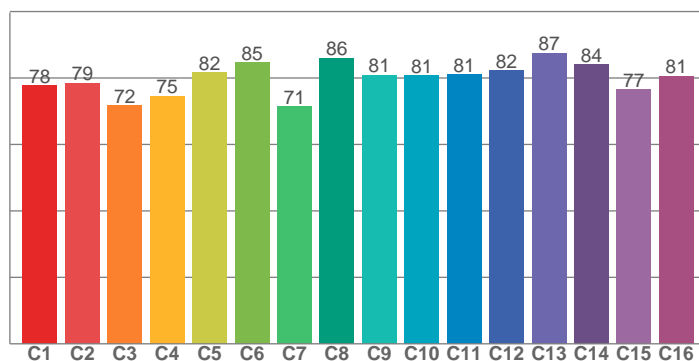
Spectra



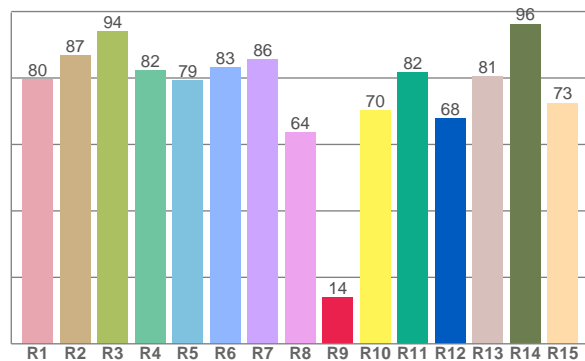
Color details



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
79.6	86.7	94.1	82.4	79.2	83.2	85.6	63.5	14.0	70.2	81.8	67.9	80.5	96.3	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
77.8	78.5	71.8	74.6	81.8	84.6	71.4	86.0	80.9	80.7	81.0	82.2	87.5	84.1	76.6	80.6

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
2898 K	81.8	14.0	79.7	98.8	0.449	0.415	0.254	0.352	0.0027

TM30 details

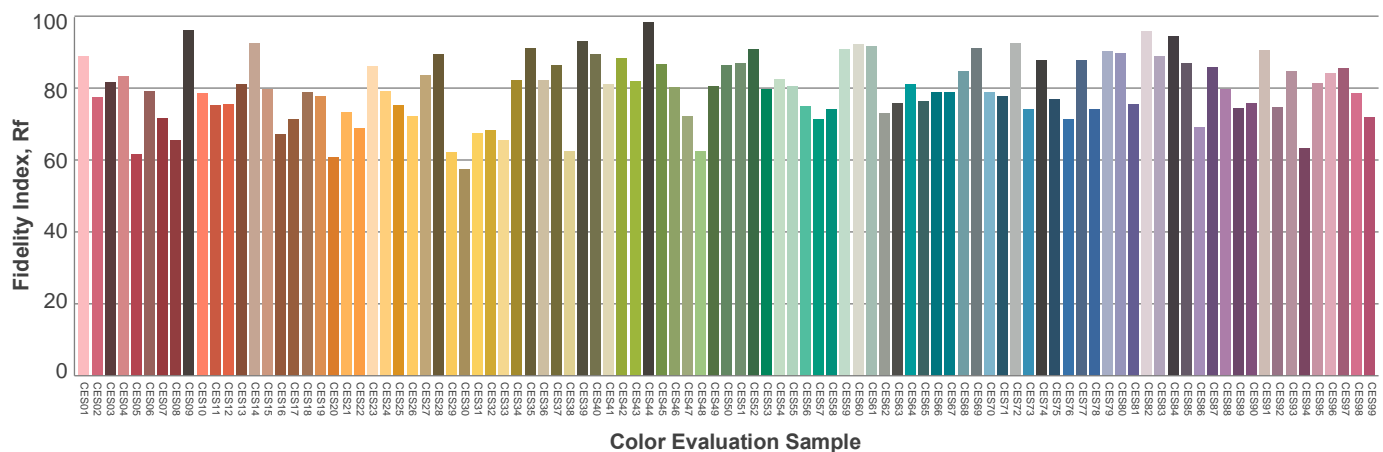
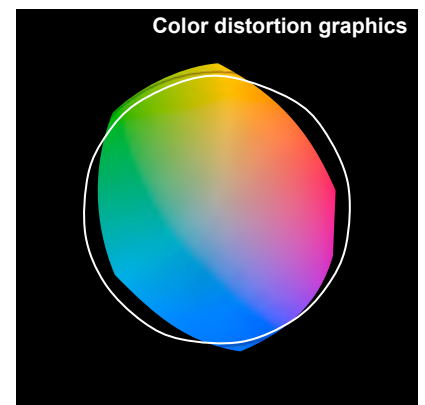
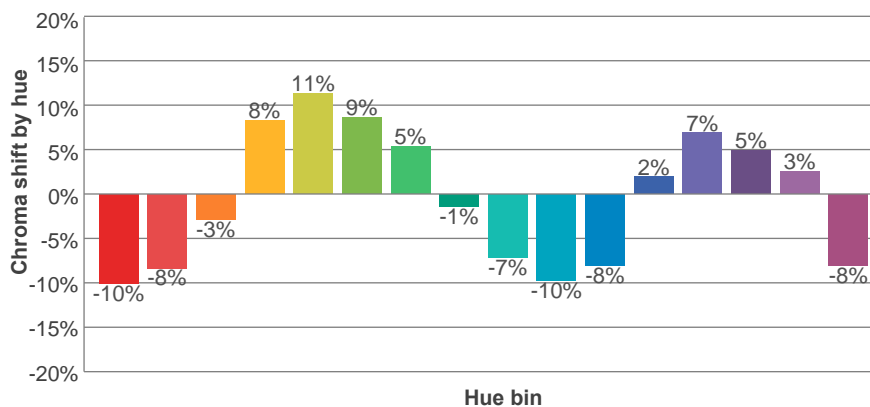
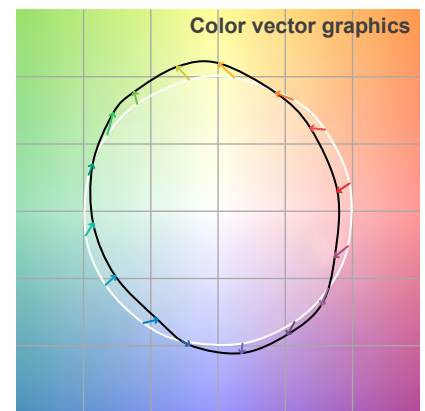
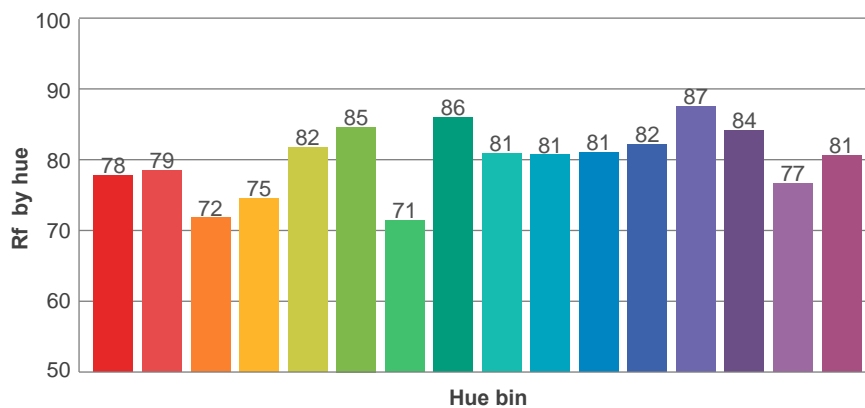
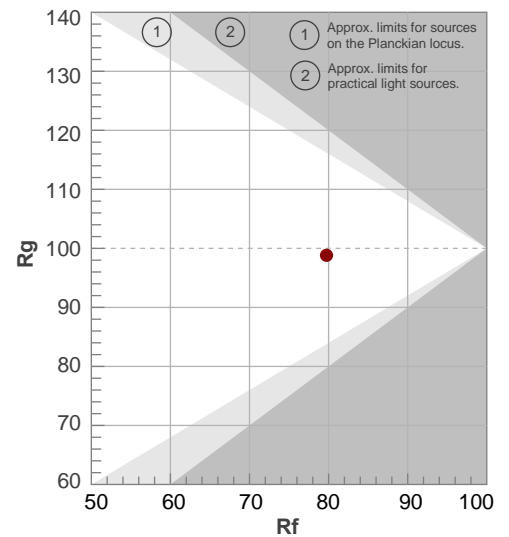
Rf 79.7

Fidelity index Rf

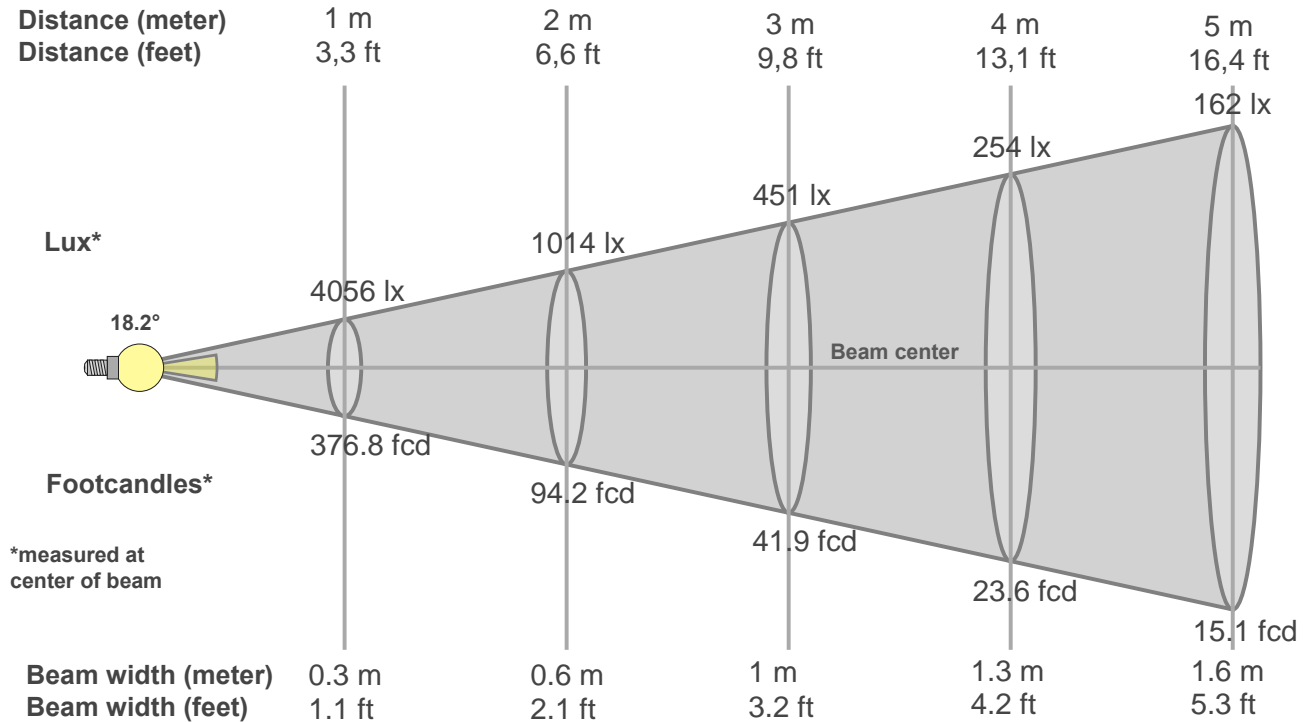
Rg 98.8

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	9%	-3%
7	71	5%	-16%
8	86	-1%	-8%
9	81	-7%	-8%
10	81	-10%	-1%
11	81	-8%	7%
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
4056lx	1014lx	451lx	254lx	162lx	113lx	83lx	63lx	50lx	41lx	34lx	28lx	24lx	21lx	18lx	16lx	14lx	13lx	11lx	10lx
376.8fcd	94.2fcd	41.9fcd	23.6fcd	15.1fcd	10.5fcd	7.7fcd	5.9fcd	4.7fcd	3.8fcd	3.1fcd	2.6fcd	2.2fcd	1.9fcd	1.7fcd	1.5fcd	1.3fcd	1.2fcd	1fcd	0.9fcd

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°
4056	3941	3552	2964	2360	1815	1404	1097	900	749	633	541	471	417	376	337	287	230	172	114
100%	97%	88%	73%	58%	45%	35%	27%	22%	18%	16%	13%	12%	10%	9%	8%	7%	6%	4%	3%

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°
4056	3940	3533	2883	2270	1808	1385	1087	893	748	629	541	465	409	370	331	283	228	170	113
100%	97%	87%	71%	56%	45%	34%	27%	22%	18%	16%	13%	11%	10%	9%	8%	7%	6%	4%	3%

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°
4056	3941	3552	2964	2360	1815	1404	1097	900	749	633	541	471	417	376	337	287	230	172	114
100%	97%	88%	73%	58%	45%	35%	27%	22%	18%	16%	13%	12%	10%	9%	8%	7%	6%	4%	3%

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°
4056	3940	3533	2883	2270	1808	1385	1087	893	748	629	541	465	409	370	331	283	228	170	113
100%	97%	87%	71%	56%	45%	34%	27%	22%	18%	16%	13%	11%	10%	9%	8%	7%	6%	4%	3%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18.2°	52.7°	77°	98.1%	97.8%