

Light efficiency:

66 Lumen/Watt

Light quality:

CRI: 82.6

Color temperature:

2935 K

Output: 1276 lm

Peak: 3594 cd

Power: 19.4 W

PF: 0.99



Beam angle

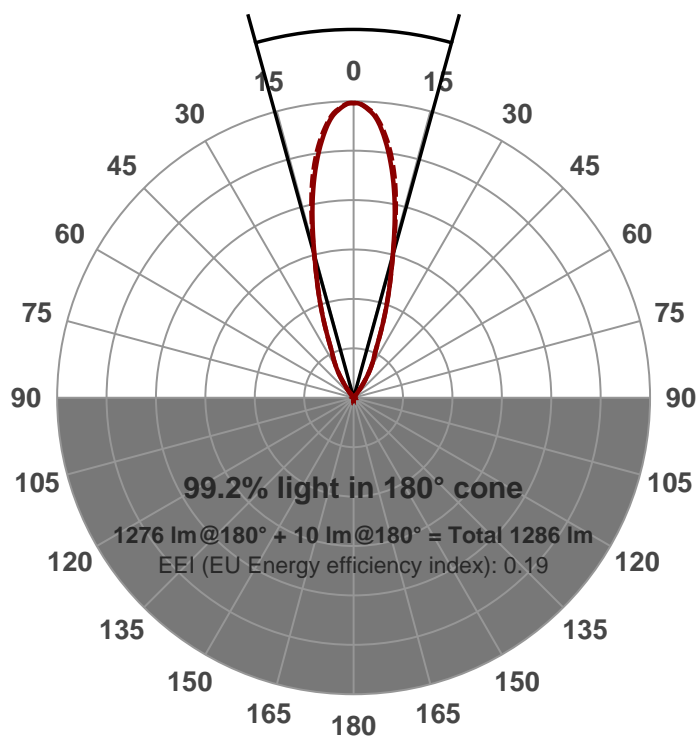
30.8°

Product name:

730-3-XTM19-20LM-30K-83-SA40-CRO

Date and time:

9/27/2016 9:58:10 AM

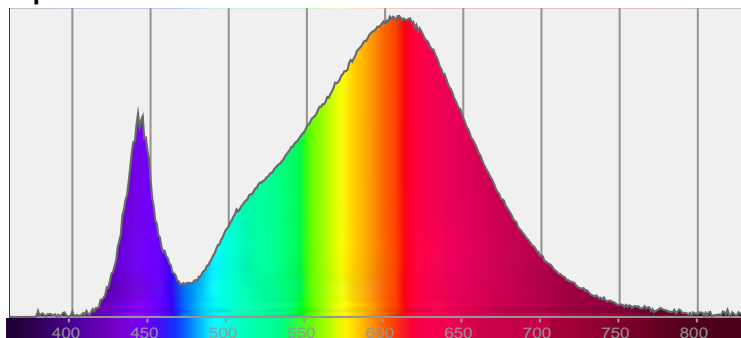


CIE 1931

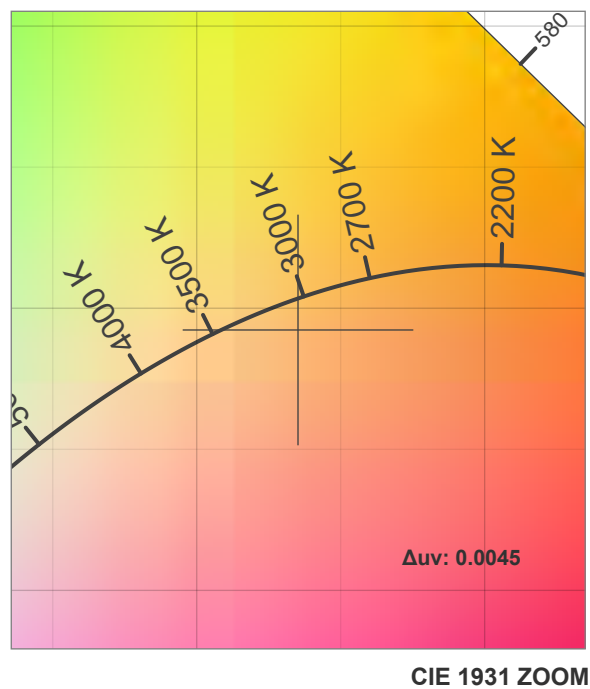
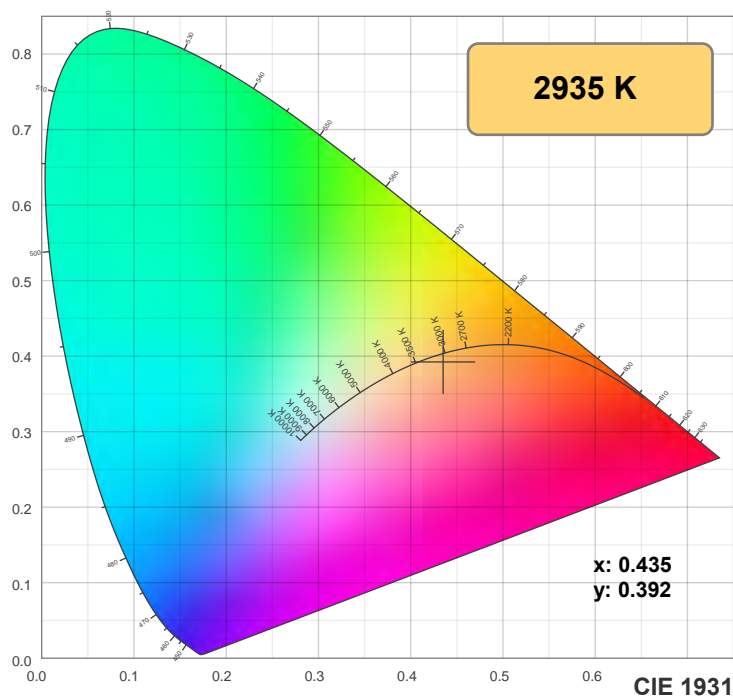
x: 0.435

y: 0.392

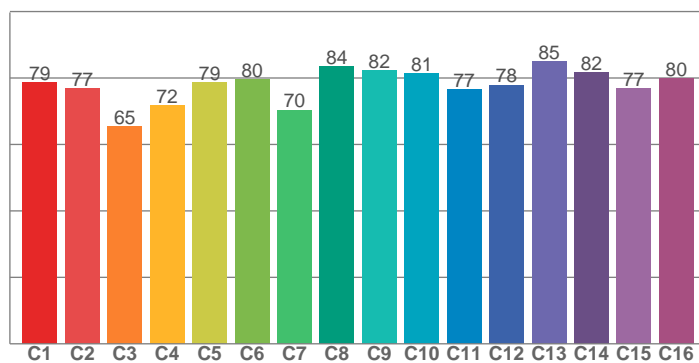
Spectra



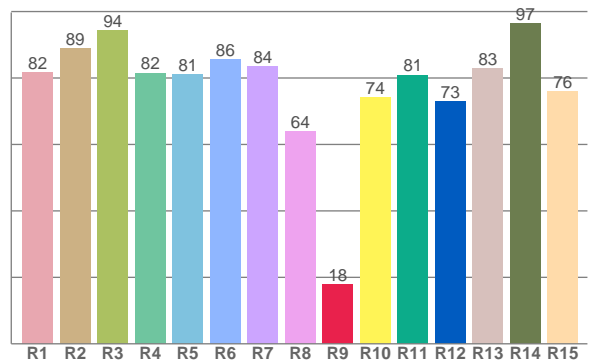
Color details



TM30: 77.7



CRI: 82.6 (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
81.6	88.9	94.4	81.5	81.2	85.6	83.5	63.8	18.0	74.3	81.0	72.9	82.9	96.5	76.0

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
78.7	76.8	65.4	71.8	78.7	79.5	70.3	83.5	82.3	81.3	76.6	77.9	85.1	81.6	76.8	79.8

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
2935 K	82.6	18.0	77.7	101.8	0.435	0.392	0.255	0.344	0.0045

TM30 details

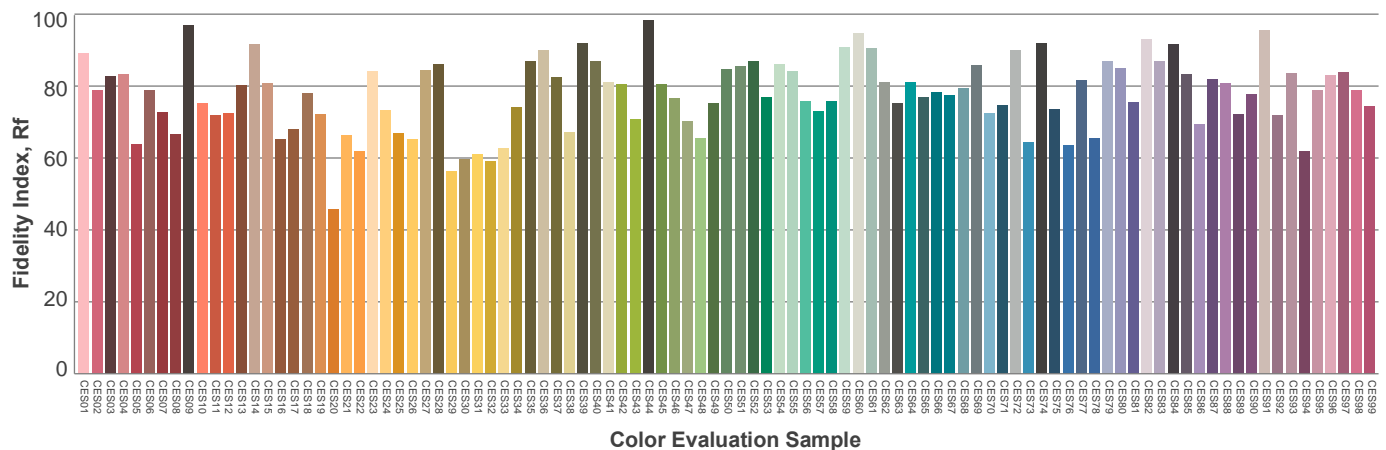
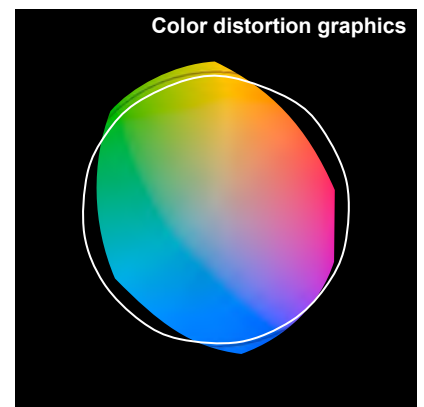
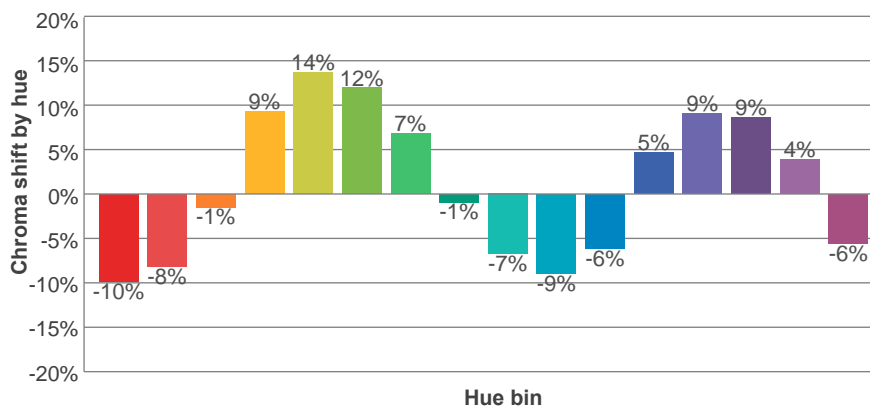
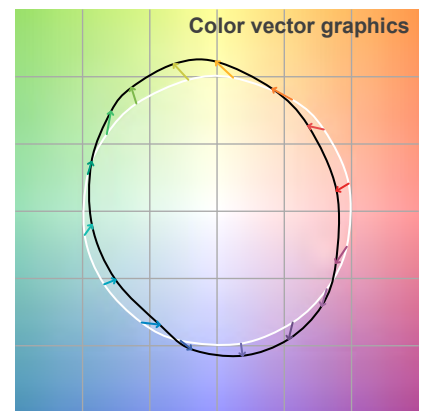
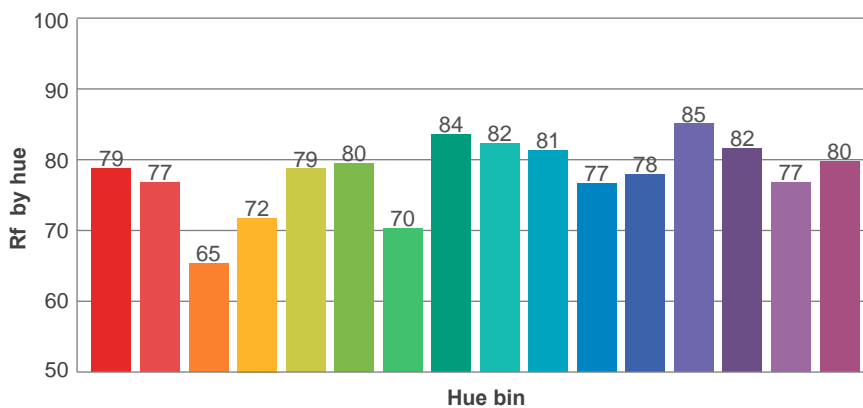
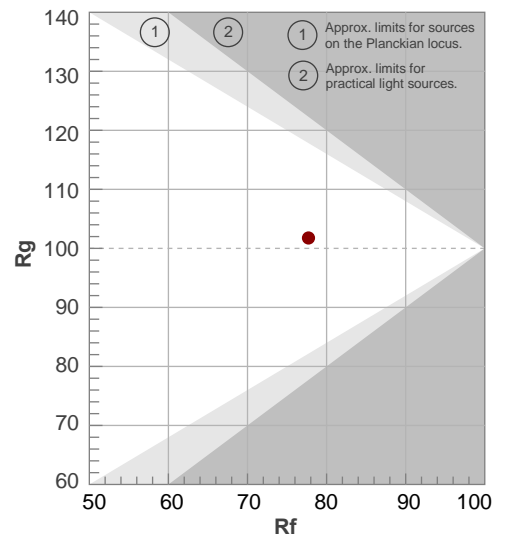
Rf 77.7

Fidelity index Rf

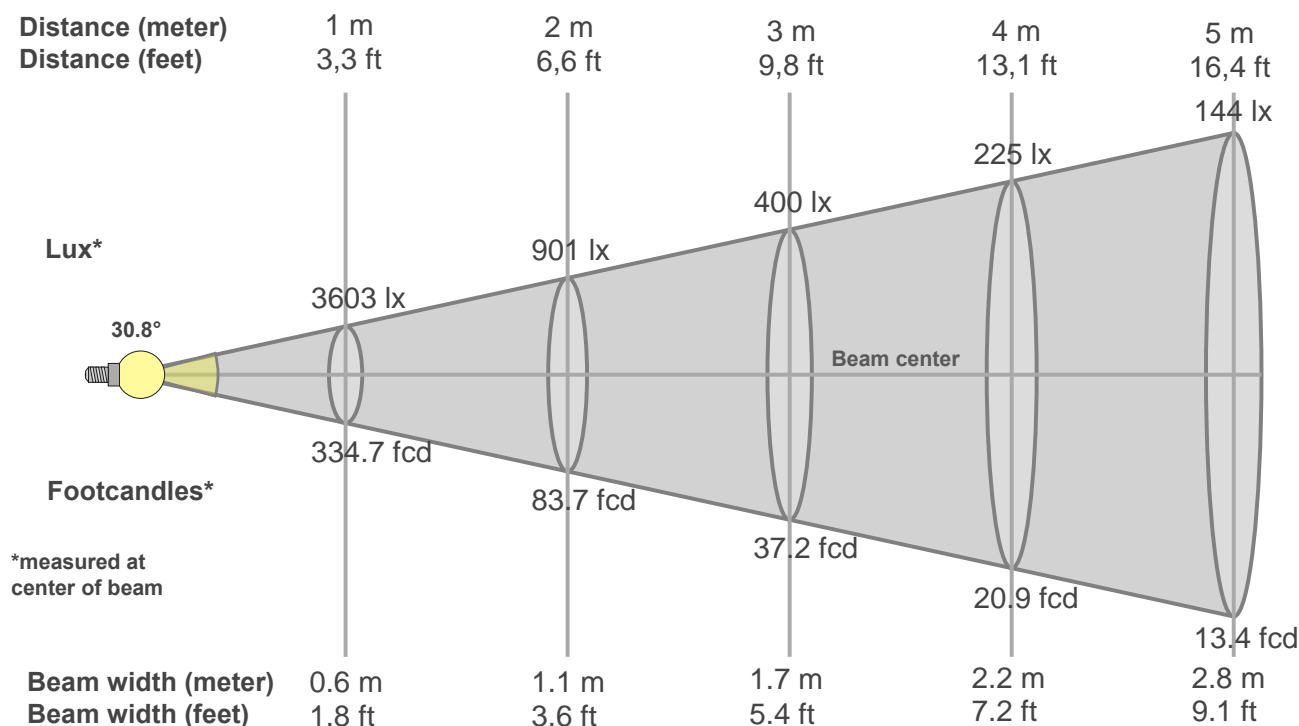
Rg 101.8

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	79	-10%	-4%
2	77	-8%	9%
3	65	-1%	16%
4	72	9%	15%
5	79	14%	8%
6	80	12%	-3%
7	70	7%	-16%
8	84	-1%	-9%
9	82	-7%	-6%
10	81	-9%	2%
11	77	-6%	12%
12	78	5%	9%
13	85	9%	-1%
14	82	9%	-9%
15	77	4%	-12%
16	80	-6%	-13%



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
3603lx	901lx	400lx	225lx	144lx	100lx	74lx	56lx	44lx	36lx	30lx	25lx	21lx	18lx	16lx	14lx	12lx	11lx	10lx	9lx
334.7fcd	83.7fcd	37.2fcd	20.9fcd	13.4fcd	9.3fcd	6.8fcd	5.2fcd	4.1fcd	3.3fcd	2.8fcd	2.3fcd	2fcd	1.7fcd	1.5fcd	1.3fcd	1.2fcd	1fcd	0.9fcd	0.8fcd

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°
3603	3560	3464	3283	3036	2744	2411	2046	1700	1414	1156	917	713	586	502	415	320	220	130	65
100%	99%	96%	91%	84%	76%	67%	57%	47%	39%	32%	25%	20%	16%	14%	12%	9%	6%	4%	2%

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°
3603	3566	3482	3317	3097	2818	2473	2080	1708	1409	1148	918	719	588	499	410	318	224	137	70
100%	99%	97%	92%	86%	78%	69%	58%	47%	39%	32%	25%	20%	16%	14%	11%	9%	6%	4%	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°
3603	3560	3464	3283	3036	2744	2411	2046	1700	1414	1156	917	713	586	502	415	320	220	130	65
100%	99%	96%	91%	84%	76%	67%	57%	47%	39%	32%	25%	20%	16%	14%	12%	9%	6%	4%	2%

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°
3603	3566	3482	3317	3097	2818	2473	2080	1708	1409	1148	918	719	588	499	410	318	224	137	70
100%	99%	97%	92%	86%	78%	69%	58%	47%	39%	32%	25%	20%	16%	14%	11%	9%	6%	4%	2%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
30.8°	62.3°	74.4°	98.3%	97.5%