

Light efficiency:

65 Lumen/Watt

Light quality:

CRI: 82.7

Color temperature:

2950 K

Output: 1264 lm

Peak: 2287 cd

Power: 19.4 W

PF: 0.99



Beam angle

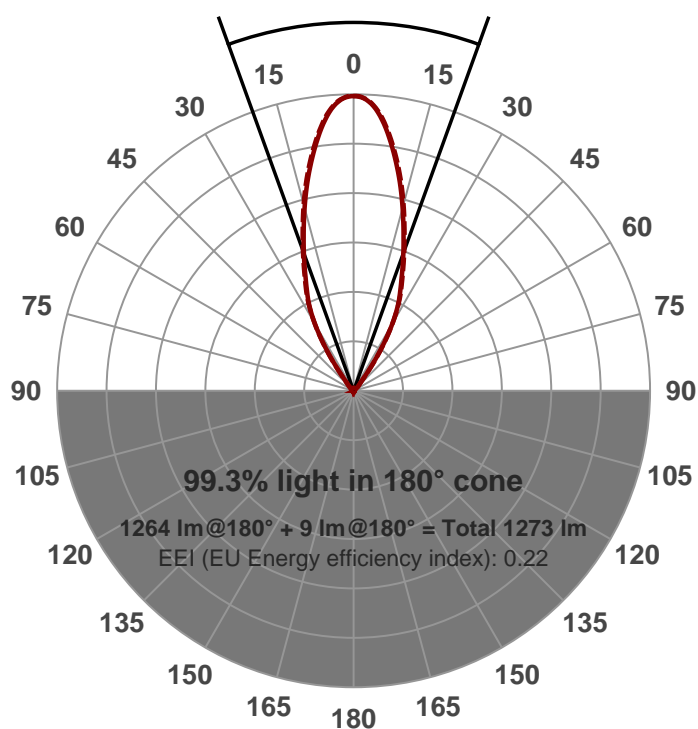
39.8°

Product name:

730-3-XTM19-20LM-30K-83-DA20-CLR

Date and time:

9/27/2016 12:42:11 PM

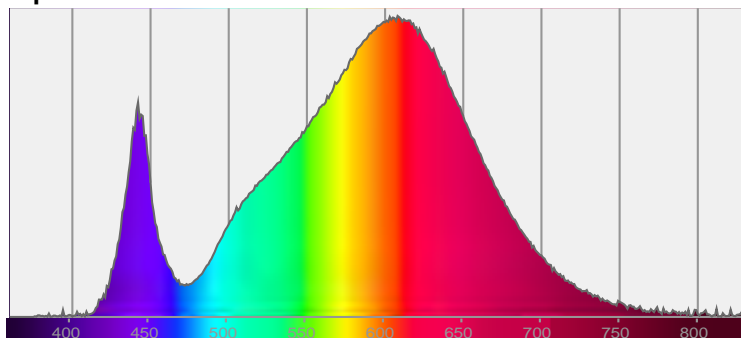


CIE 1931

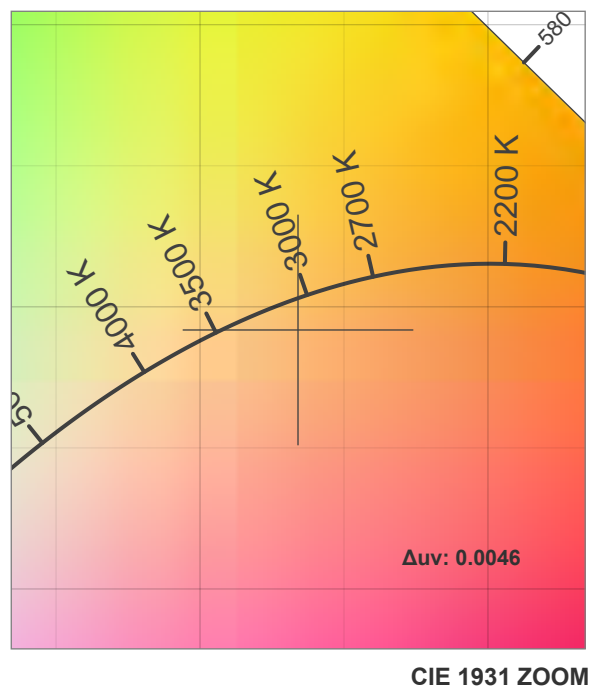
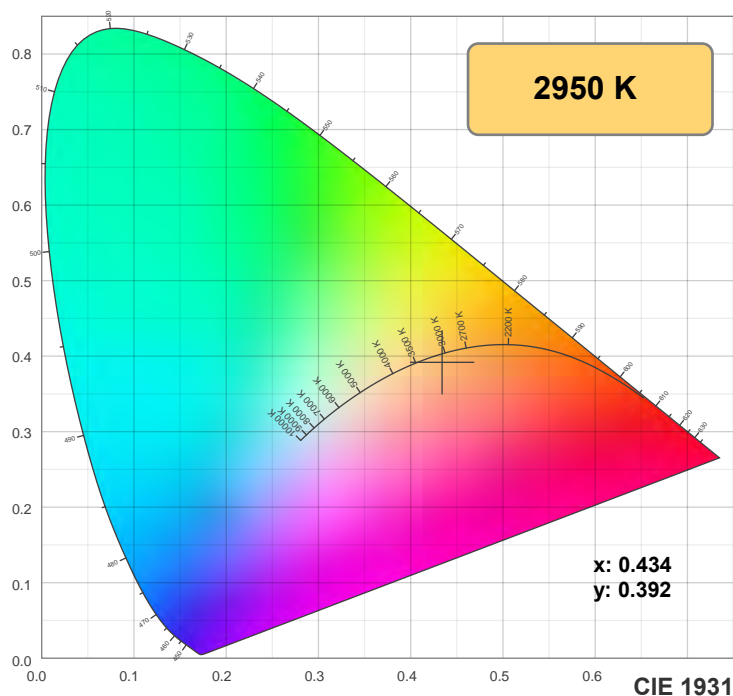
x: 0.434

y: 0.392

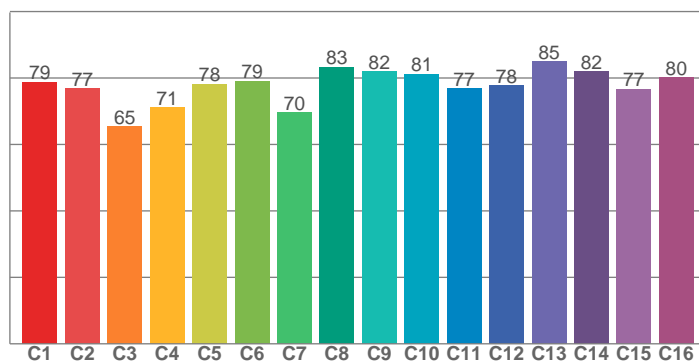
Spectra



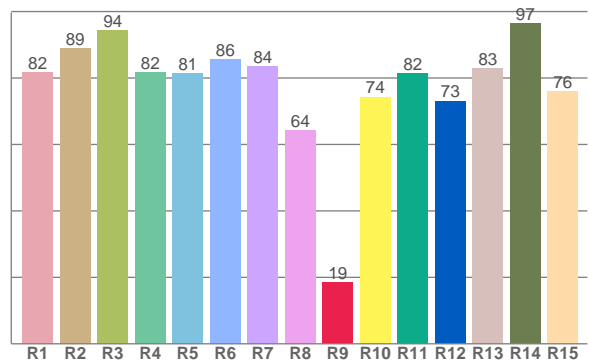
Color details



TM30: 77.6



CRI: 82.7 (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
81.7	88.8	94.3	81.8	81.4	85.6	83.6	64.1	18.5	74.3	81.5	73.1	83.0	96.5	76.1

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
78.8	76.8	65.4	71.2	78.2	79.1	69.7	83.3	81.9	81.2	76.9	77.8	85.0	81.9	76.7	80.2

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
2950 K	82.7	18.5	77.6	102.0	0.434	0.392	0.254	0.344	0.0046

TM30 details

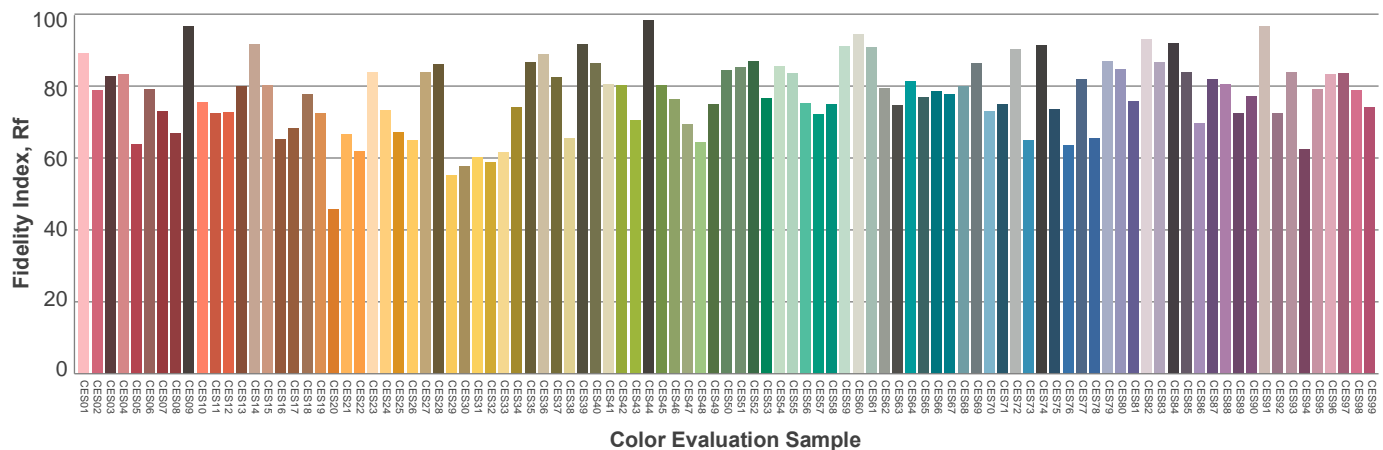
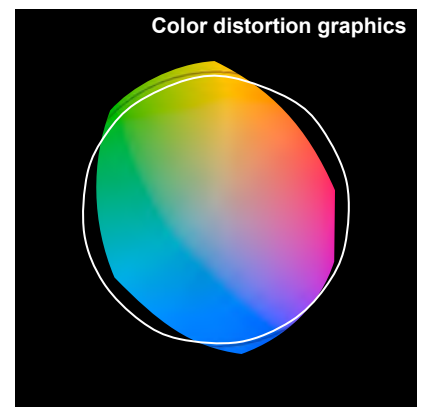
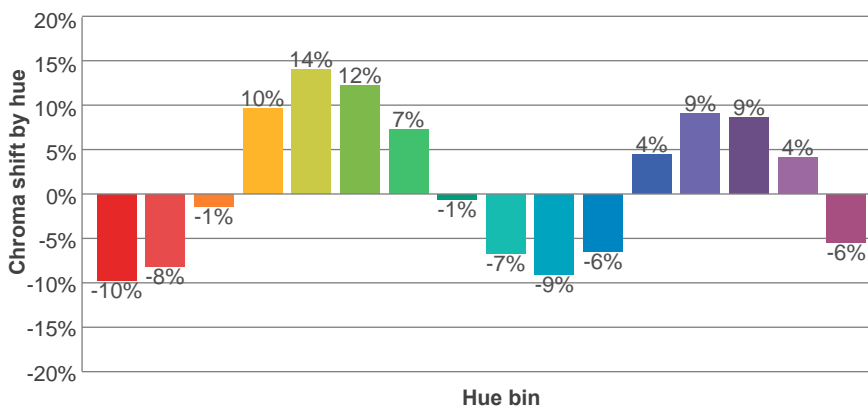
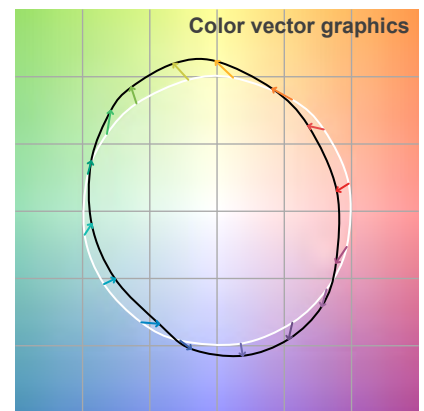
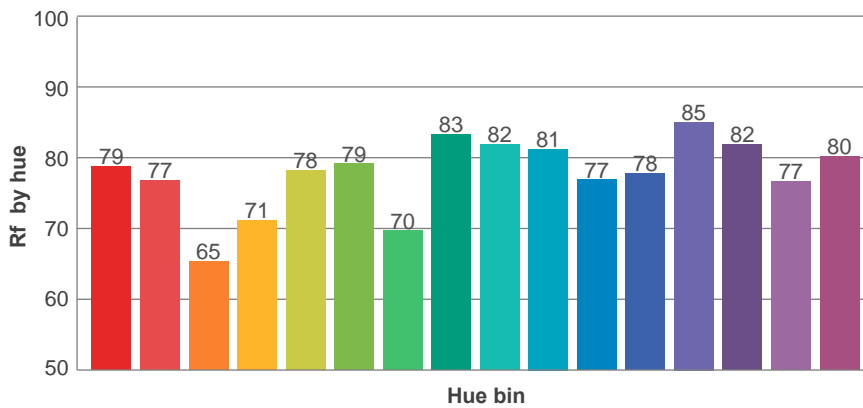
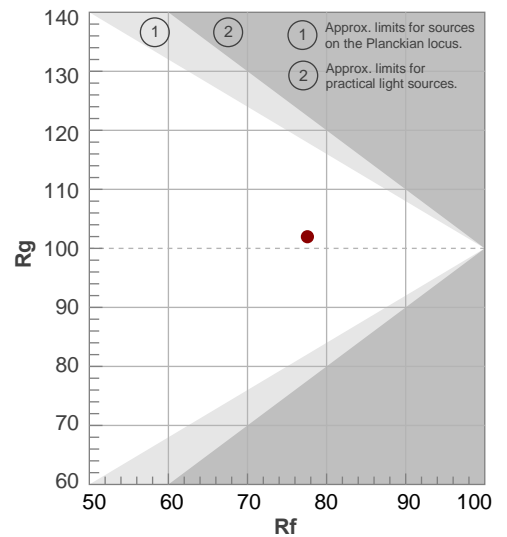
Rf 77.6

Fidelity index Rf

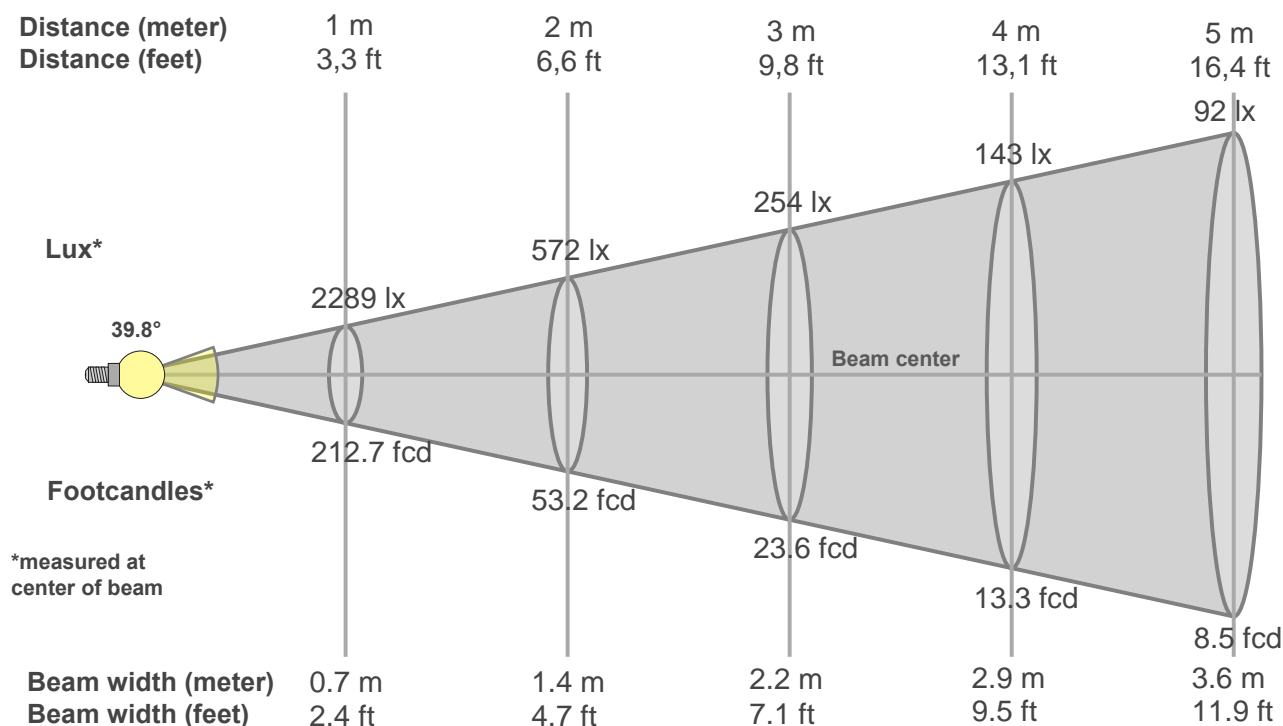
Rg 102.0

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	79	-10%	-4%
2	77	-8%	9%
3	65	-1%	17%
4	71	10%	15%
5	78	14%	8%
6	79	12%	-3%
7	70	7%	-16%
8	83	-1%	-10%
9	82	-7%	-7%
10	81	-9%	1%
11	77	-6%	12%
12	78	4%	9%
13	85	9%	0%
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
2289lx	572lx	254lx	143lx	92lx	64lx	47lx	36lx	28lx	23lx	19lx	16lx	14lx	12lx	10lx	9lx	8lx	7lx	6lx	6lx
212.7fcd	53.2fcd	23.6fcd	13.3fcd	8.5fcd	5.9fcd	4.3fcd	3.3fcd	2.6fcd	2.1fcd	1.8fcd	1.5fcd	1.3fcd	1.1fcd	0.9fcd	0.8fcd	0.7fcd	0.7fcd	0.6fcd	0.5fcd

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°
2289	2271	2214	2114	1984	1841	1695	1544	1395	1254	1128	1010	905	813	716	603	473	342	224	138
100%	99%	97%	92%	87%	80%	74%	67%	61%	55%	49%	44%	40%	36%	31%	26%	21%	15%	10%	6%

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°
2289	2273	2221	2129	2003	1865	1721	1573	1422	1279	1148	1029	922	829	724	605	479	353	239	148
100%	99%	97%	93%	88%	81%	75%	69%	62%	56%	50%	45%	40%	36%	32%	26%	21%	15%	10%	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°
2289	2271	2214	2114	1984	1841	1695	1544	1395	1254	1128	1010	905	813	716	603	473	342	224	138
100%	99%	97%	92%	87%	80%	74%	67%	61%	55%	49%	44%	40%	36%	31%	26%	21%	15%	10%	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°
2289	2273	2221	2129	2003	1865	1721	1573	1422	1279	1148	1029	922	829	724	605	479	353	239	148
100%	99%	97%	93%	88%	81%	75%	69%	62%	56%	50%	45%	40%	36%	32%	26%	21%	15%	10%	6%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
39.8°	72.1°	88°	98.0%	95.1%