

Light efficiency:

61 Lumen/Watt

Light quality:

CRI: 82.6

Color temperature:

2930 K

Output: 1191 lm

Peak: 3855 cd

Power: 19.4 W

PF: 0.99



Beam angle

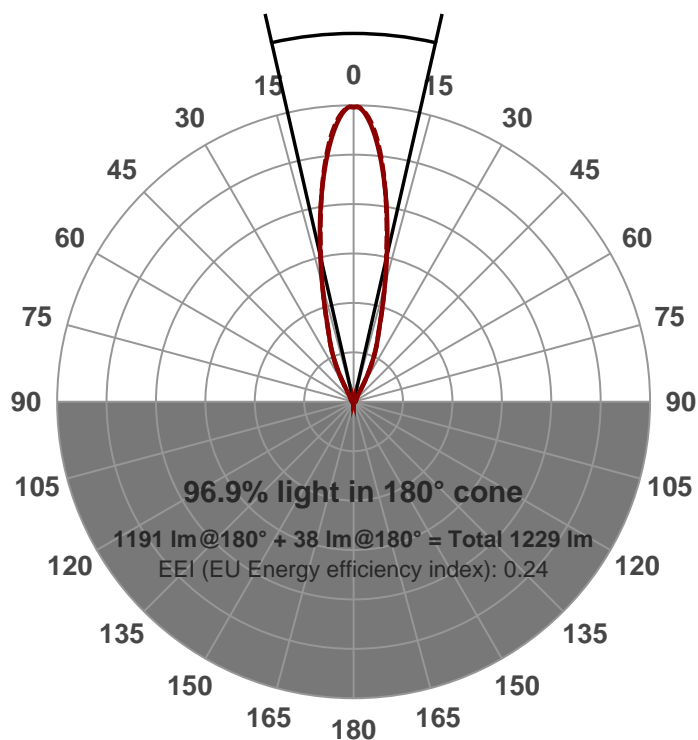
25.7°

Product name:

730-3-XTM19-20LM-30K-83-SSA20-CRO

Date and time:

9/29/2016 2:49:53 PM

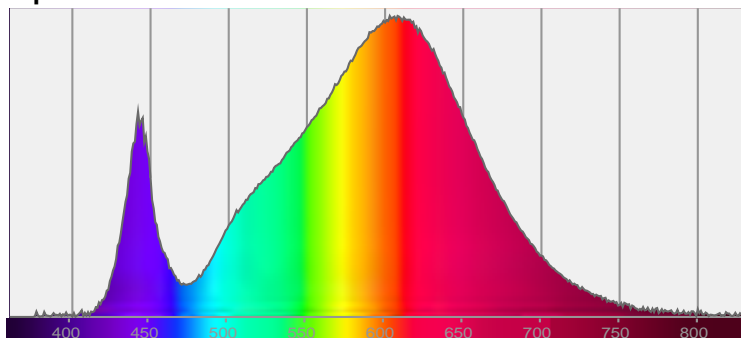


CIE 1931

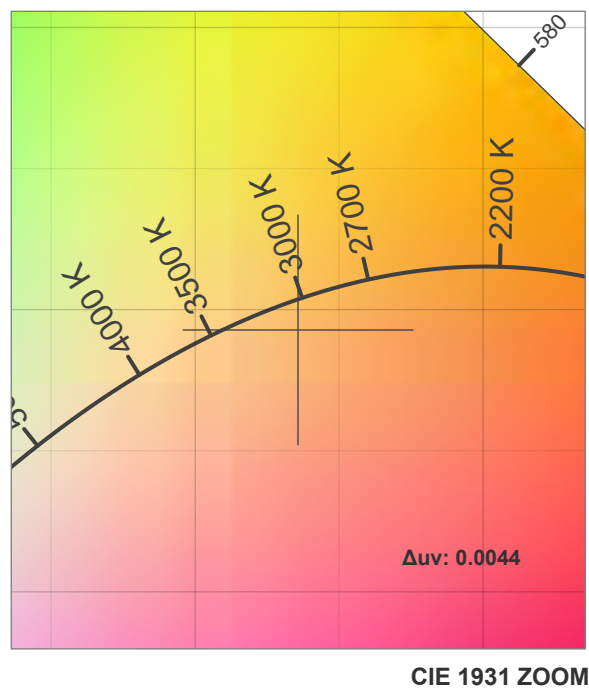
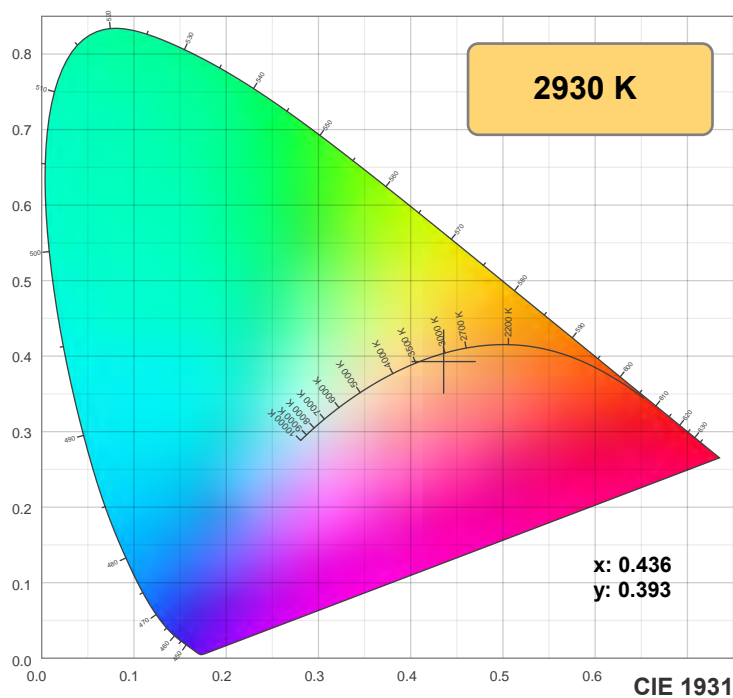
x: 0.436

y: 0.393

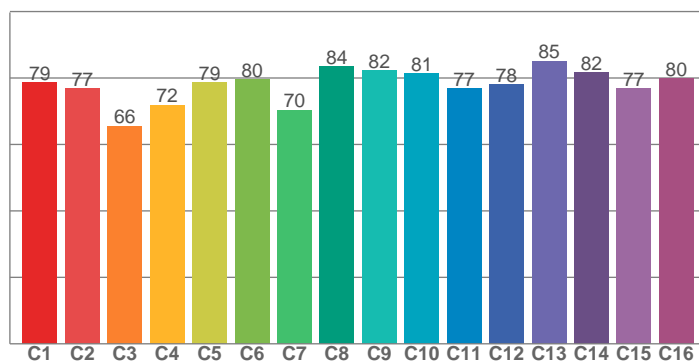
Spectra



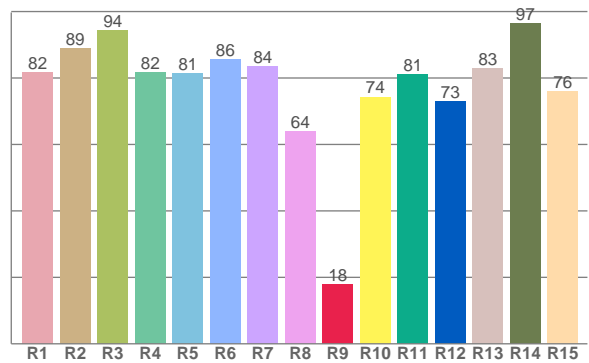
Color details



TM30: 77.8



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	81.7	81.3	85.7	83.5	63.8	18.0	74.3	81.1	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	65.6	71.9	78.7	79.5	70.3	83.6	82.3	81.4	76.8	78.0	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
2930 K	82.6	18.0	77.8	101.8	0.436	0.393	0.255	0.344	0.0044

TM30 details

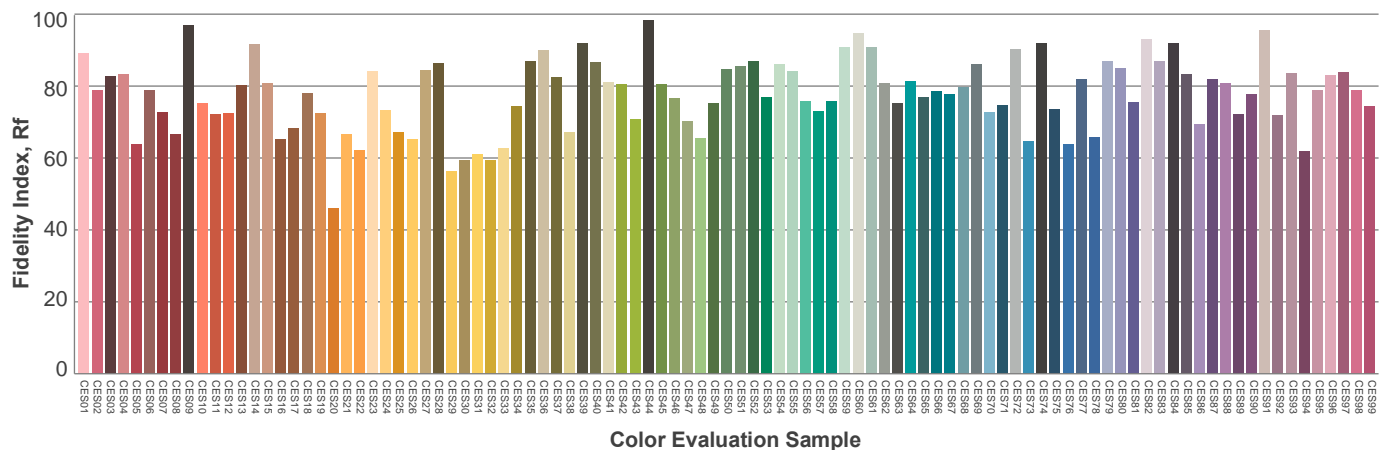
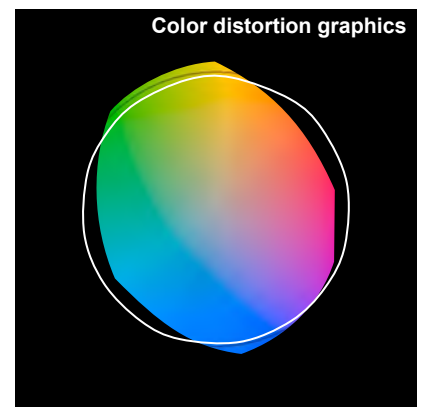
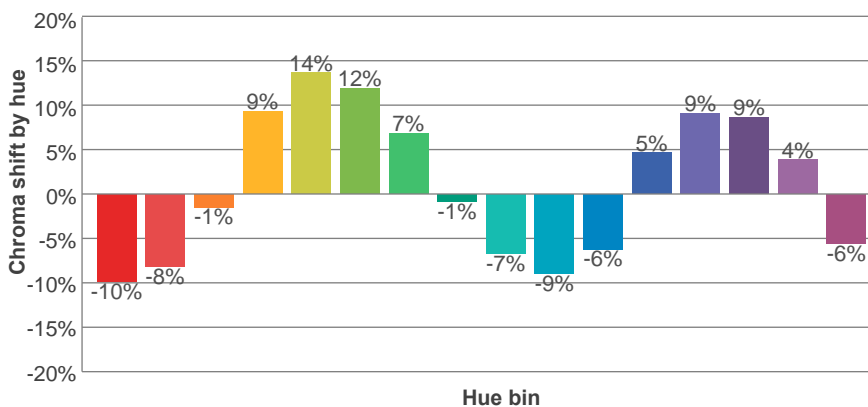
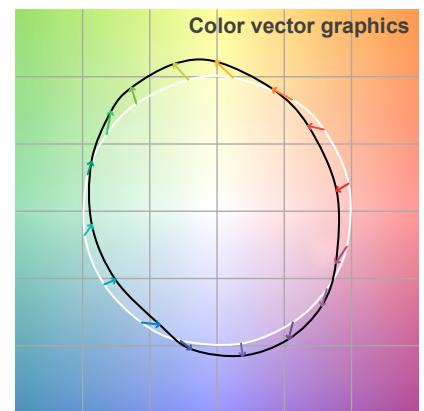
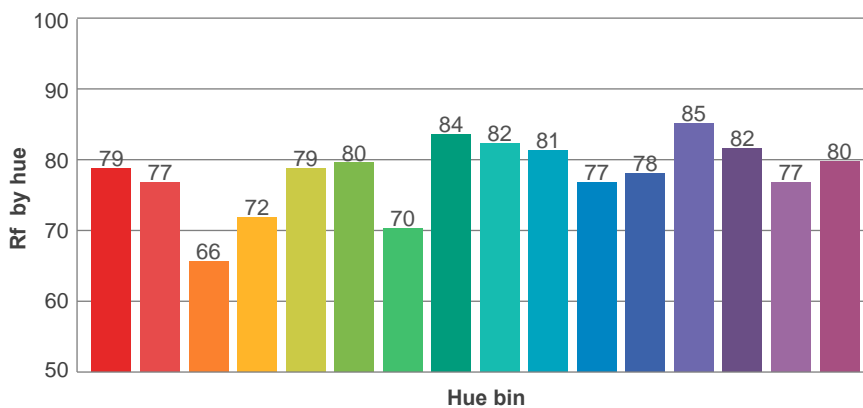
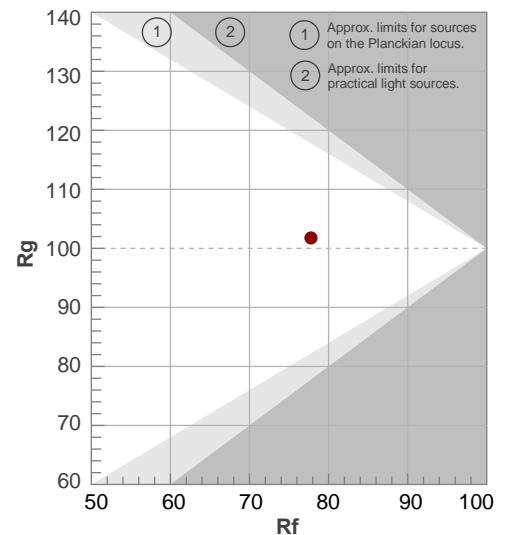
Rf 77.8

Fidelity index Rf

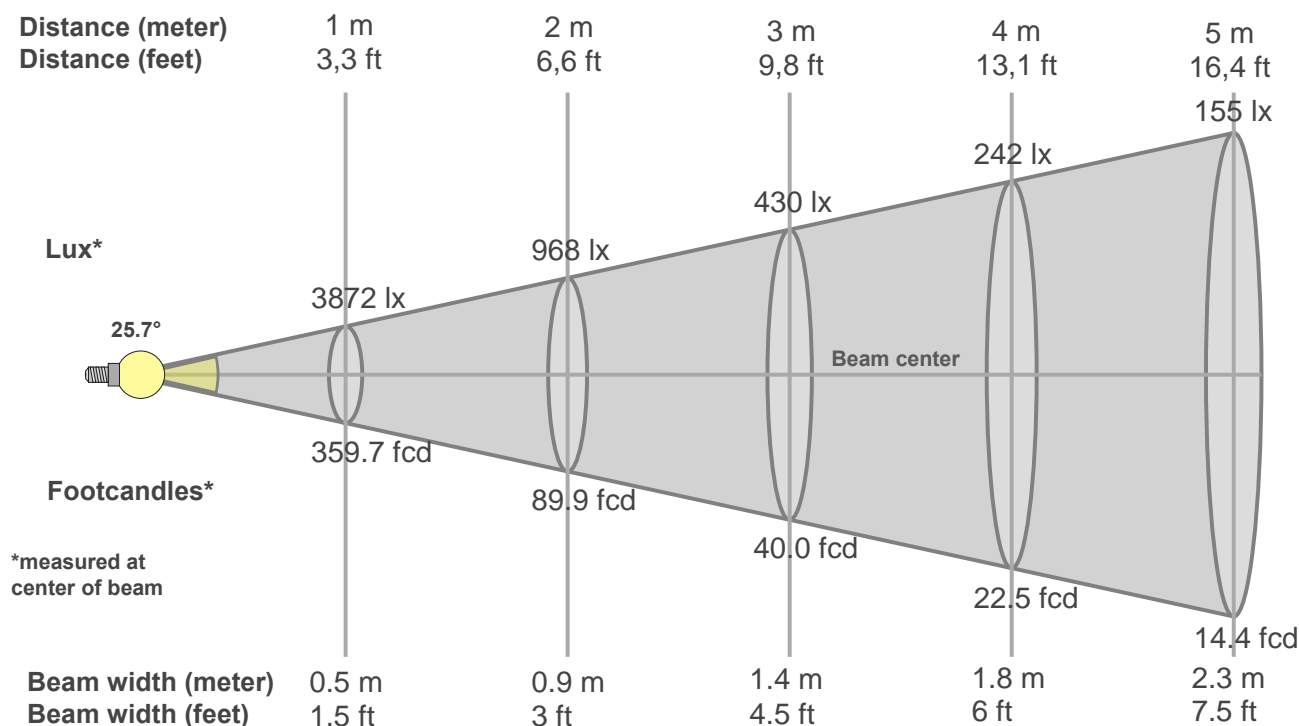
Rg 101.8

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	79	-10%	-4%
2	77	-8%	9%
3	66	-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
3872lx	968lx	430lx	242lx	155lx	108lx	79lx	61lx	48lx	39lx	32lx	27lx	23lx	20lx	17lx	15lx	13lx	12lx	11lx	10lx
359.7fcd	89.9fcd	40fcd	22.5fcd	14.4fcd	10fcd	7.3fcd	5.6fcd	4.4fcd	3.6fcd	3fcd	2.5fcd	2.1fcd	1.8fcd	1.6fcd	1.4fcd	1.2fcd	1.1fcd	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°
3872	3795	3573	3259	2893	2504	2111	1747	1426	1153	950	807	660	503	351	219	123	83	72	65
100%	98%	92%	84%	75%	65%	55%	45%	37%	30%	25%	21%	17%	13%	9%	6%	3%	2%	2%	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°
3872	3806	3610	3297	2907	2484	2079	1724	1422	1161	955	808	661	505	349	211	118	80	70	63
100%	98%	93%	85%	75%	64%	54%	45%	37%	30%	25%	21%	17%	13%	9%	5%	3%	2%	2%	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°
3872	3795	3573	3259	2893	2504	2111	1747	1426	1153	950	807	660	503	351	219	123	83	72	65
100%	98%	92%	84%	75%	65%	55%	45%	37%	30%	25%	21%	17%	13%	9%	6%	3%	2%	2%	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°
3872	3806	3610	3297	2907	2484	2079	1724	1422	1161	955	808	661	505	349	211	118	80	70	63
100%	98%	93%	85%	75%	64%	54%	45%	37%	30%	25%	21%	17%	13%	9%	5%	3%	2%	2%	2%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
25.7°	55°	65.9°	91.5%	86.9%