

Light efficiency:

60 Lumen/Watt

Light quality:

CRI: 82.5

Color temperature:

2944 K

Output: 1159 lm

Peak: 1355 cd

Power: 19.4 W

PF: 0.99



Beam angle

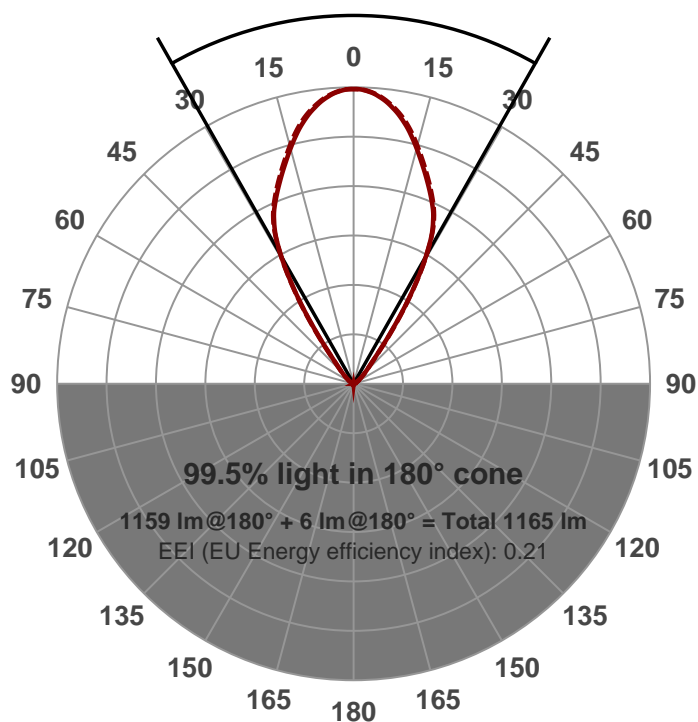
59.1°

Product name:

730-3-XTM19-20LM-30K-83-DA60-CRO

Date and time:

9/27/2016 11:00:06 AM

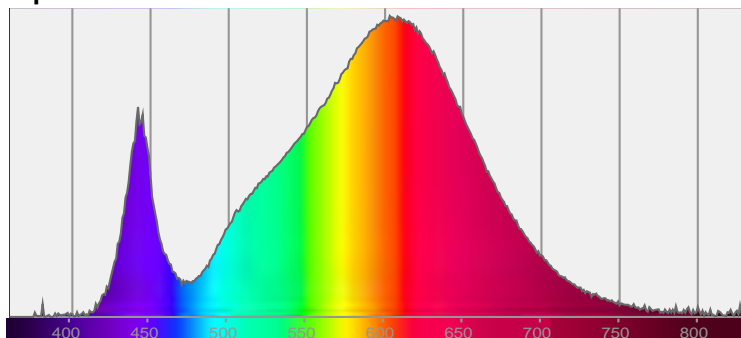


CIE 1931

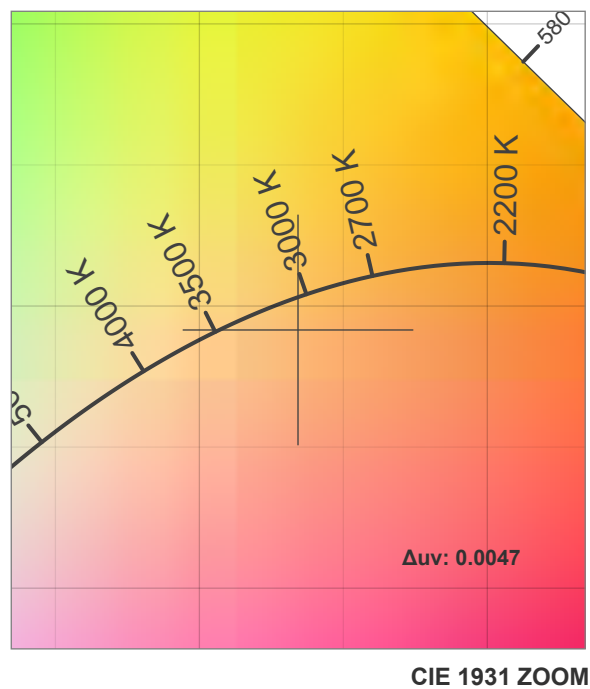
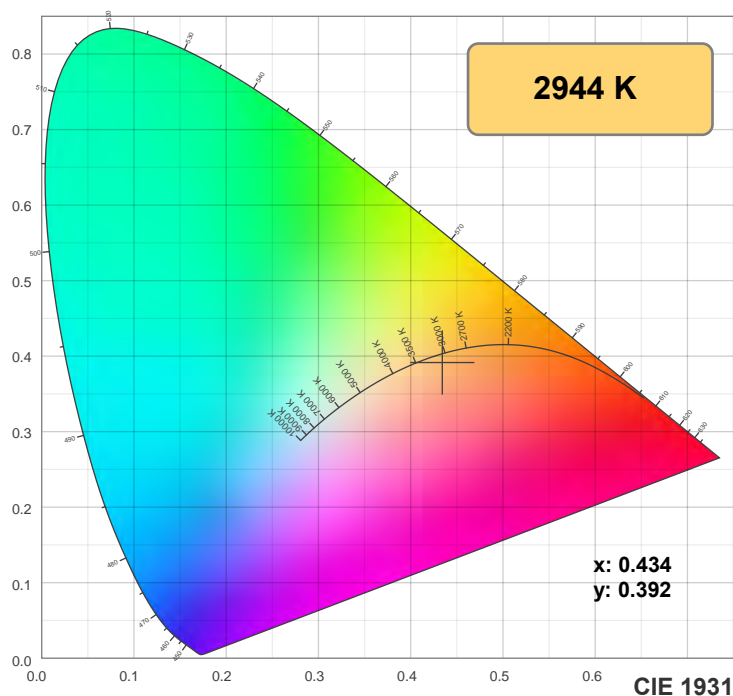
x: 0.434

y: 0.392

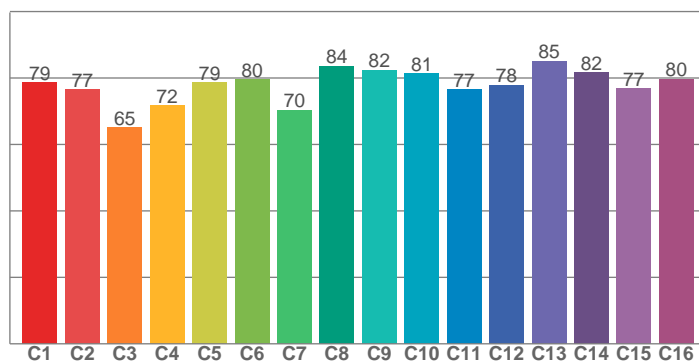
Spectra



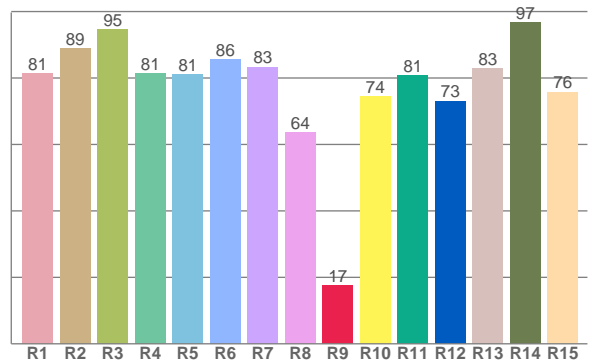
Color details



TM30: 77.7



CRI: 82.5 (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
81.5	88.9	94.5	81.4	81.2	85.6	83.3	63.6	17.5	74.4	80.9	73.1	82.8	96.7	75.8

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	76.5	65.2	71.7	78.7	79.5	70.4	83.6	82.4	81.3	76.6	77.9	85.1	81.6	76.8	79.7

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
2944 K	82.5	17.5	77.7	101.7	0.434	0.392	0.254	0.344	0.0047

TM30 details

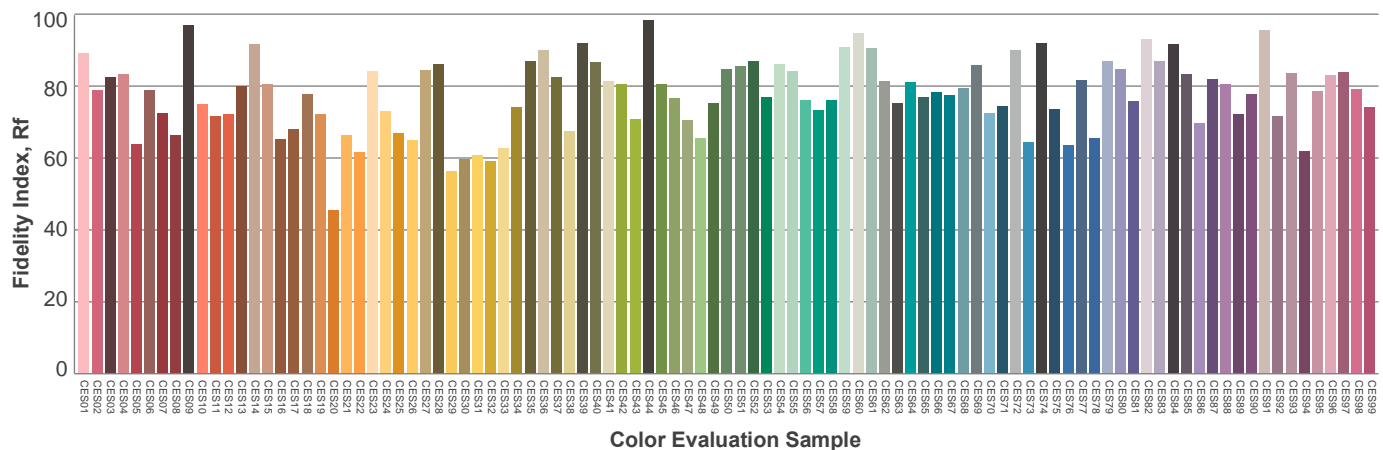
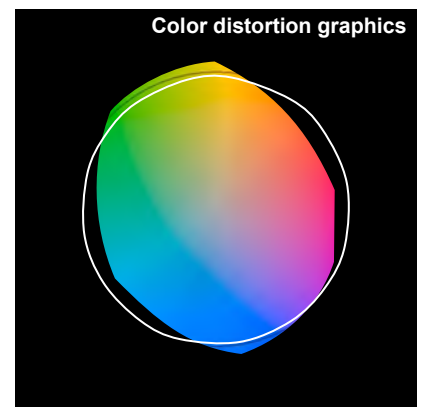
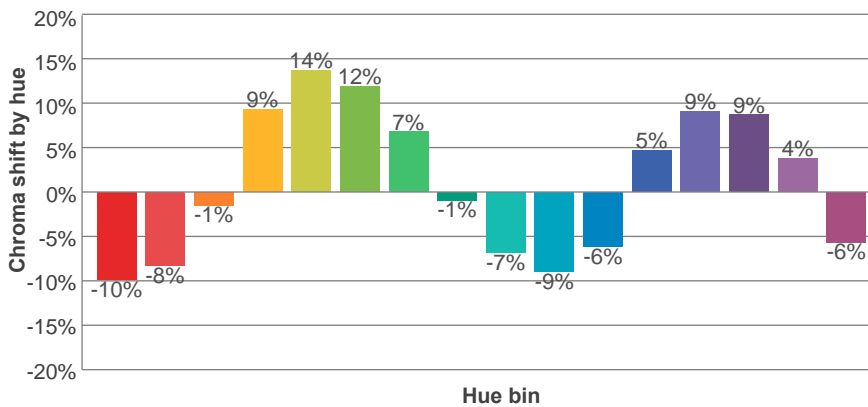
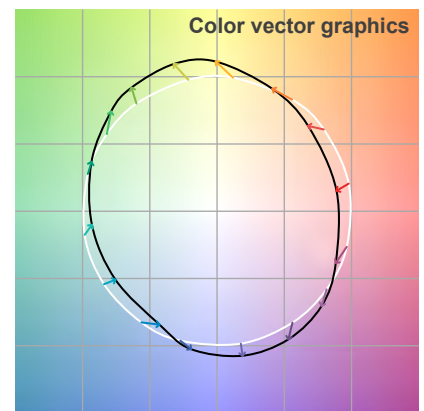
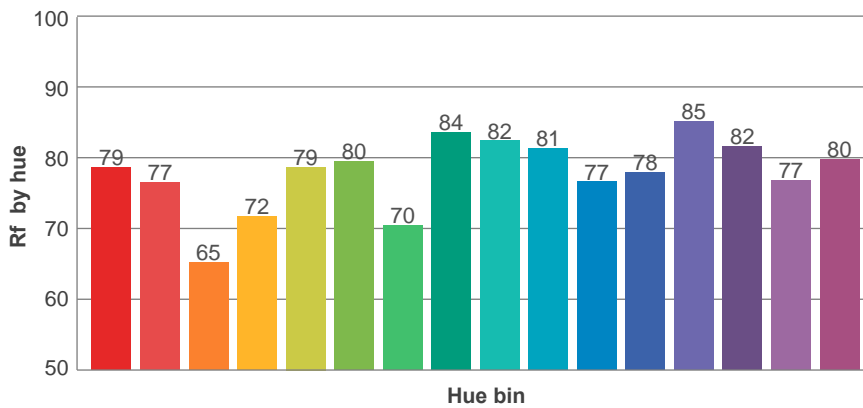
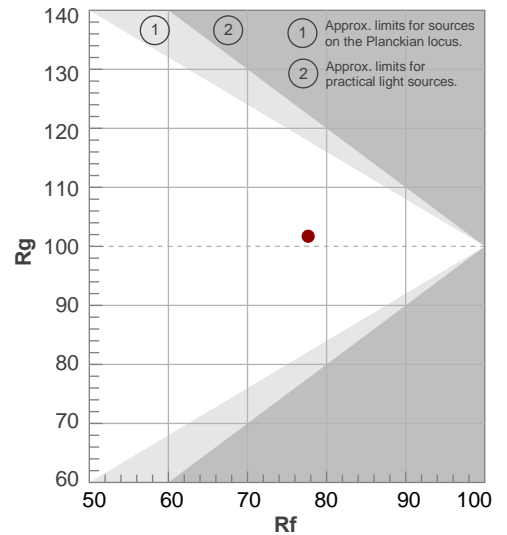
Rf 77.7

Fidelity index Rf

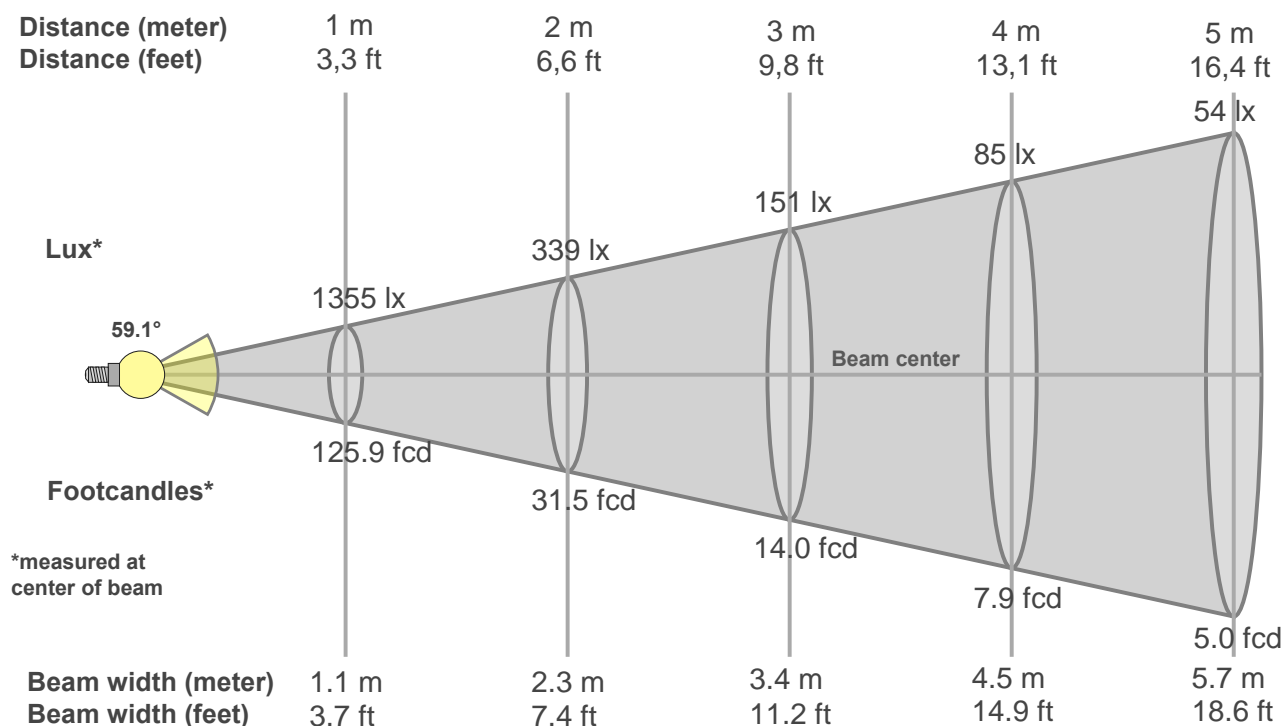
Rg 101.7

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	79	-10%	-3%
2	77	-8%	9%
3	65	-1%	17%
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%	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
1355lx	339lx	151lx	85lx	54lx	38lx	28lx	21lx	17lx	14lx	11lx	9lx	8lx	7lx	6lx	5lx	5lx	4lx	4lx	3lx
125.9fcd	31.5fcd	14fcd	7.9fcd	5fcd	3.5fcd	2.6fcd	2fcd	1.6fcd	1.3fcd	1fcd	0.9fcd	0.7fcd	0.6fcd	0.6fcd	0.5fcd	0.4fcd	0.4fcd	0.3fcd	0.3fcd

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°
1355	1351	1337	1314	1282	1244	1199	1147	1093	1041	990	942	893	834	758	651	526	400	283	193
100%	100%	99%	97%	95%	92%	88%	85%	81%	77%	73%	69%	66%	62%	56%	48%	39%	30%	21%	14%

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°
1355	1352	1339	1318	1289	1254	1210	1160	1106	1053	1002	952	902	843	761	654	532	408	294	204
100%	100%	99%	97%	95%	93%	89%	86%	82%	78%	74%	70%	67%	62%	56%	48%	39%	30%	22%	15%

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°
1355	1351	1337	1314	1282	1244	1199	1147	1093	1041	990	942	893	834	758	651	526	400	283	193
100%	100%	99%	97%	95%	92%	88%	85%	81%	77%	73%	69%	66%	62%	56%	48%	39%	30%	21%	14%

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°
1355	1352	1339	1318	1289	1254	1210	1160	1106	1053	1002	952	902	843	761	654	532	408	294	204
100%	100%	99%	97%	95%	93%	89%	86%	82%	78%	74%	70%	67%	62%	56%	48%	39%	30%	22%	15%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
59.1°	80.8°	106.8°	98.1%	93.6%