

Light efficiency:

79 Lumen/Watt

Light quality:

CRI: 81.8

Color temperature:

2904 K

Output: 818 lm

Peak: 1171 cd

Power: 10.3 W

PF: 1.0



Beam angle

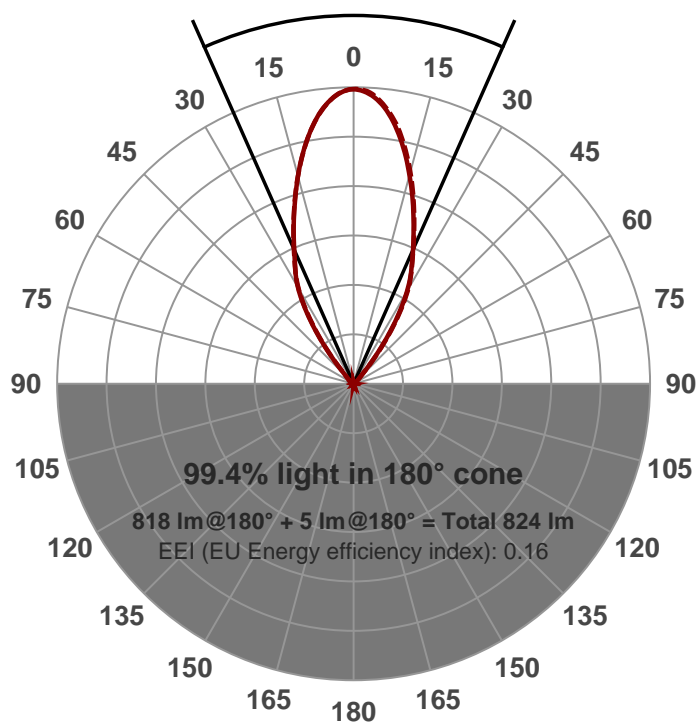
47.8°

Product name:

730-2-411-XTM19-10LM-30K-83-DA40

Date and time:

9/30/2016 4:13:18 PM

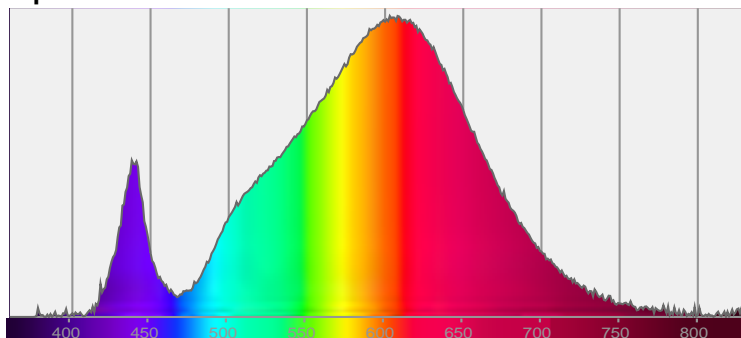


CIE 1931

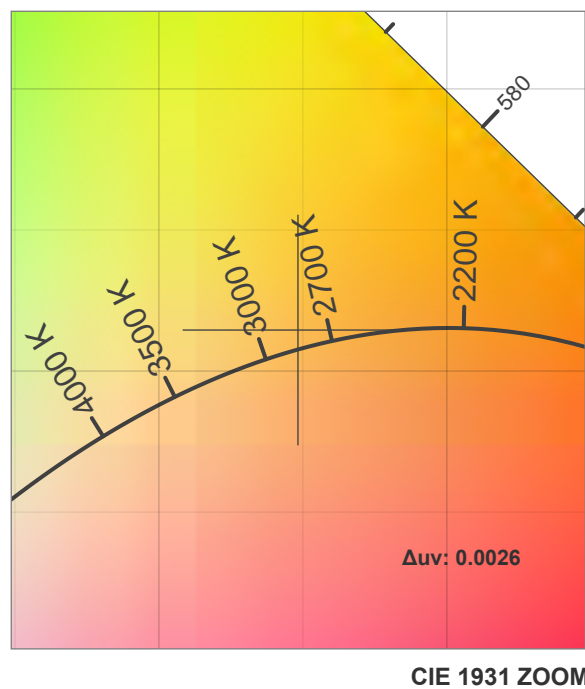
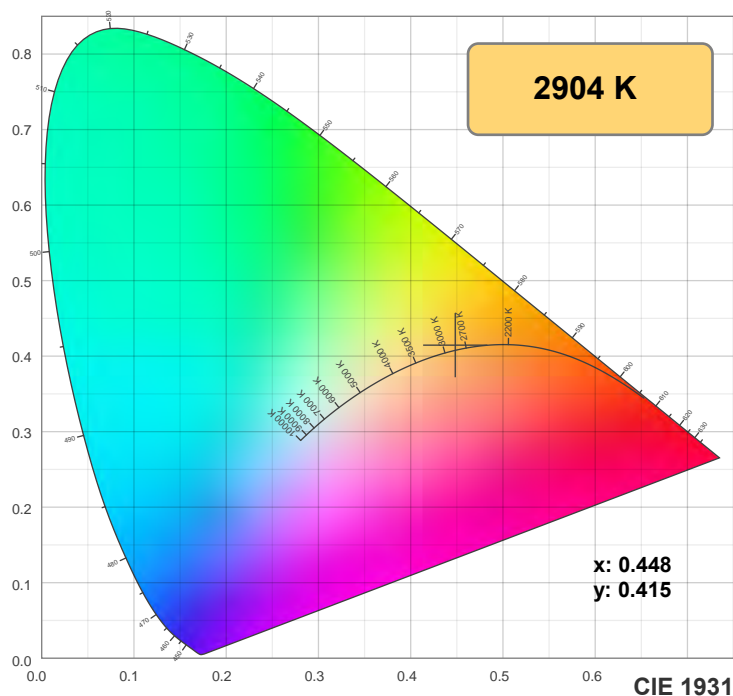
x: 0.448

y: 0.415

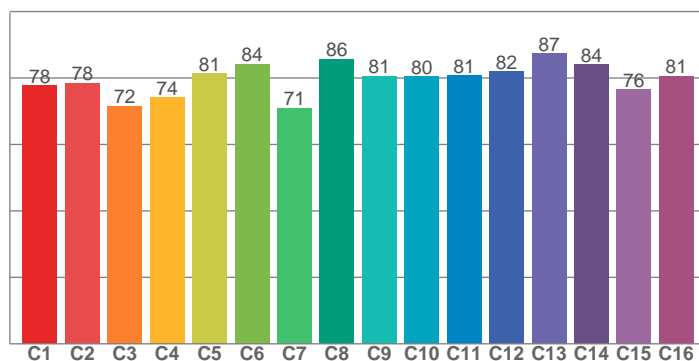
Spectra



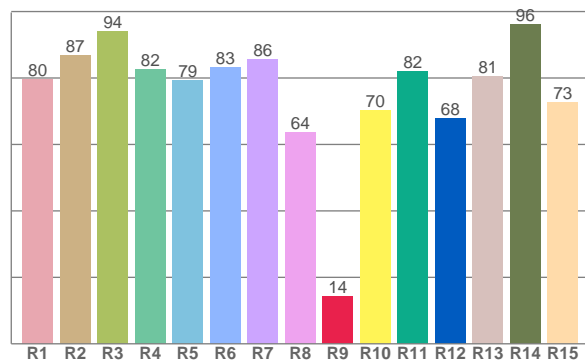
## Color details



TM30: 79.5



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
79.7	86.7	94.0	82.5	79.3	83.2	85.6	63.6	14.2	70.2	81.9	67.8	80.6	96.2	72.6

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
77.7	78.5	71.6	74.2	81.4	84.3	71.0	85.8	80.6	80.5	80.8	82.0	87.4	84.1	76.5	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
2904 K	81.8	14.2	79.5	99.0	0.448	0.415	0.253	0.351	0.0026

## TM30 details

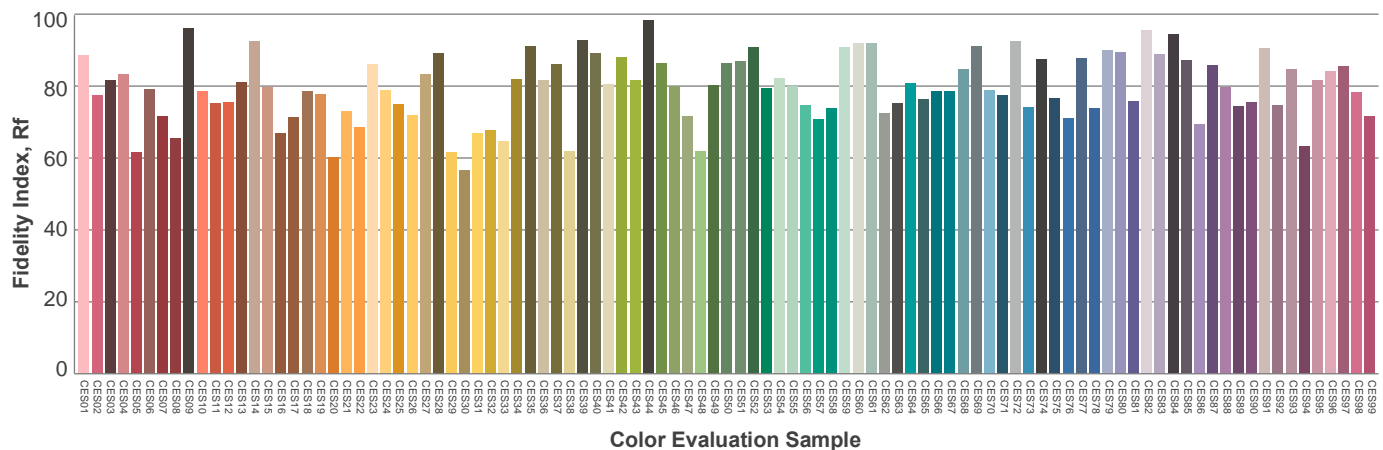
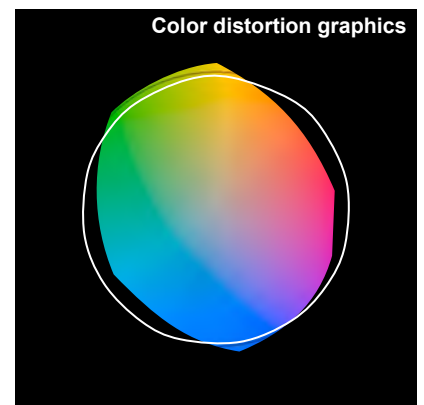
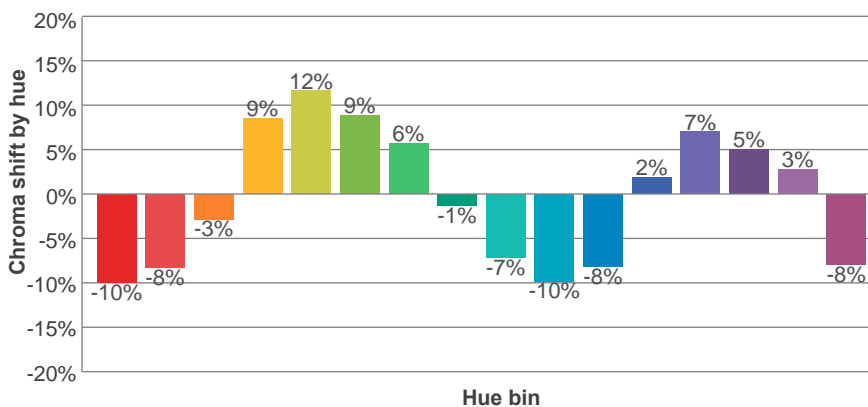
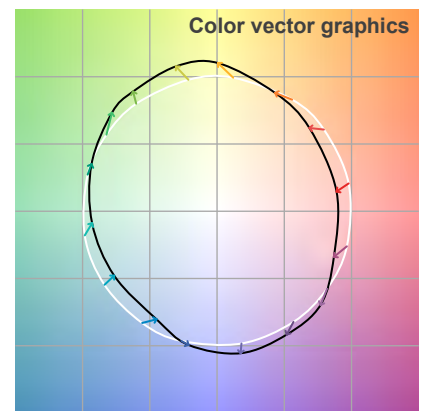
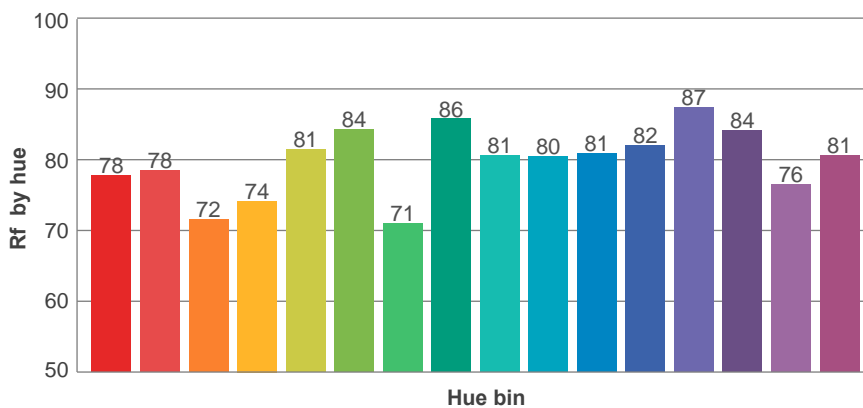
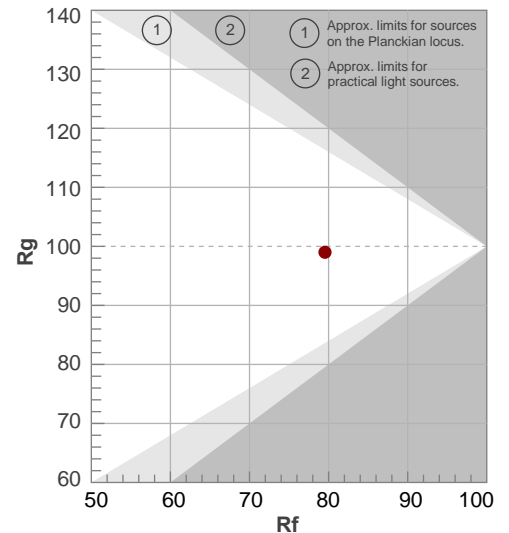
**Rf 79.5**

Fidelity index Rf

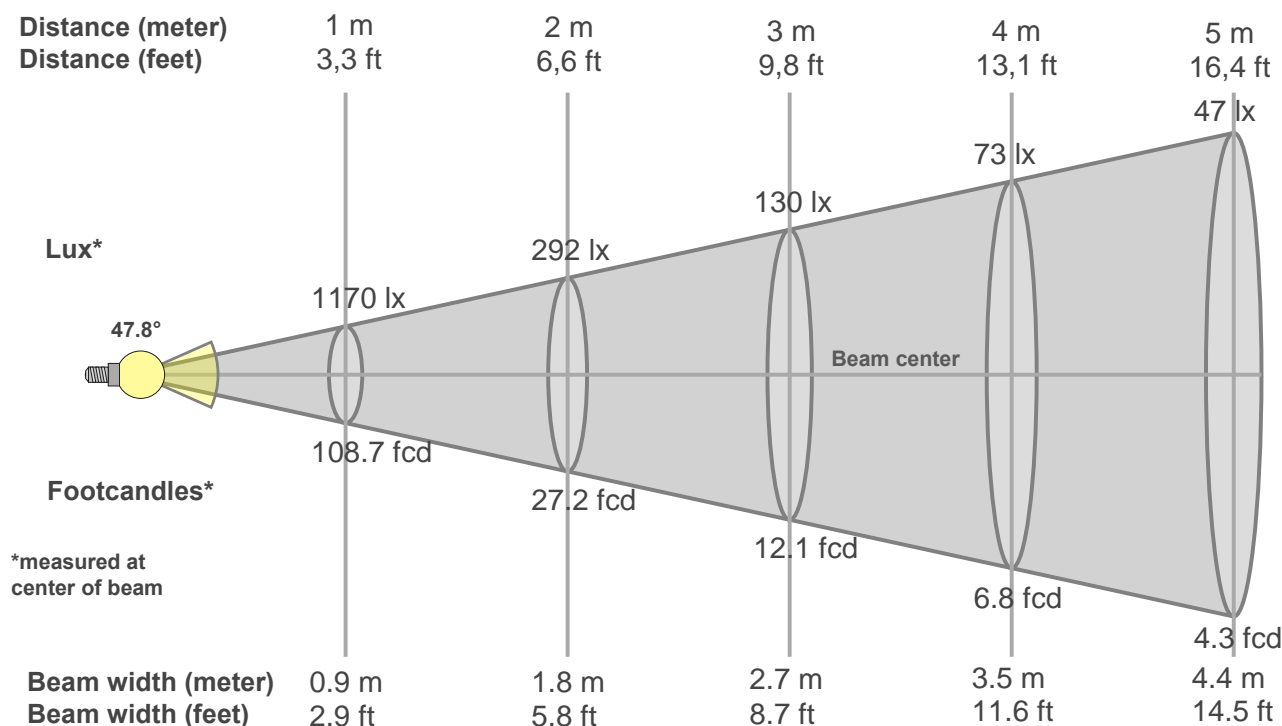
**Rg 99.0**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	78	-10%	-4%
2	78	-8%	7%
3	72	-3%	13%
4	74	9%	13%
5	81	12%	7%
6	84	9%	-3%
7	71	6%	-16%
8	86	-1%	-8%
9	81	-7%	-8%
10	80	-10%	-2%
11	81	-8%	7%
12	82	2%	6%
13	87	7%	-2%
14	84	5%	-9%
15	76	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
1170lx	292lx	130lx	73lx	47lx	32lx	24lx	18lx	14lx	12lx	10lx	8lx	7lx	6lx	5lx	5lx	4lx	4lx	3lx	3lx
108.7fcd	27.2fcd	12.1fcd	6.8fcd	4.3fcd	3fcd	2.2fcd	1.7fcd	1.3fcd	1.1fcd	0.9fcd	0.8fcd	0.6fcd	0.6fcd	0.5fcd	0.4fcd	0.4fcd	0.3fcd	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°
1170	1161	1140	1107	1063	1009	950	887	821	756	695	636	581	532	489	441	382	315	246	177
100%	99%	97%	95%	91%	86%	81%	76%	70%	65%	59%	54%	50%	46%	42%	38%	33%	27%	21%	15%

### 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°
1170	1162	1140	1106	1062	1010	949	886	823	759	697	639	584	535	488	438	377	307	238	171
100%	99%	97%	95%	91%	86%	81%	76%	70%	65%	60%	55%	50%	46%	42%	37%	32%	26%	20%	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°
1170	1163	1143	1111	1067	1014	955	891	826	761	697	636	581	528	480	424	359	290	219	154
100%	99%	98%	95%	91%	87%	82%	76%	71%	65%	60%	54%	50%	45%	41%	36%	31%	25%	19%	13%

### 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°
1170	1166	1148	1117	1077	1028	968	904	838	771	705	642	584	532	484	433	370	300	229	162
100%	100%	98%	96%	92%	88%	83%	77%	72%	66%	60%	55%	50%	45%	41%	37%	32%	26%	20%	14%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
47.8°	79.3°	95°	98.4%	95.5%