

Light efficiency:

81 Lumen/Watt

Light quality:

CRI: 81.8

Color temperature:

2896 K

Output: 843 lm

Peak: 1001 cd

Power: 10.3 W

PF: 1.0



Beam angle

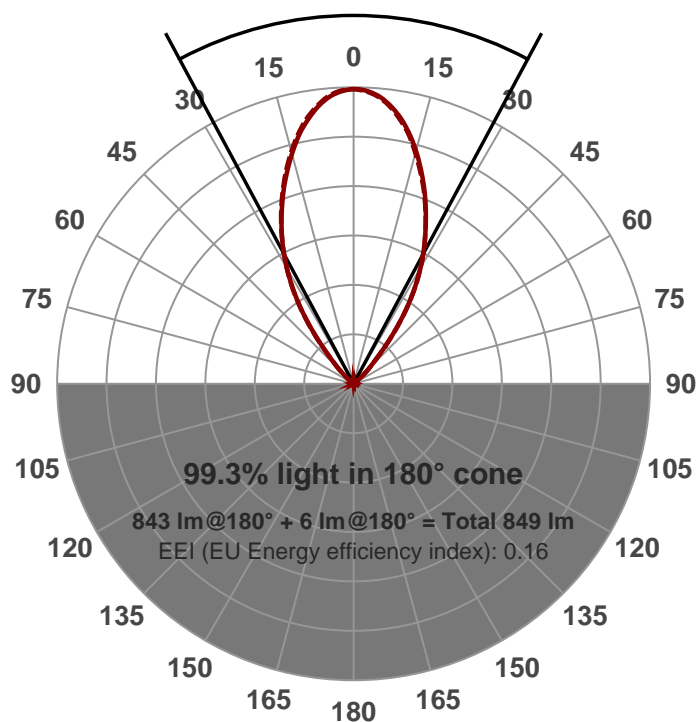
56.4°

Product name:

730-2-411-XTM19-10LM-30K-83-DA60

Date and time:

9/30/2016 3:57:32 PM

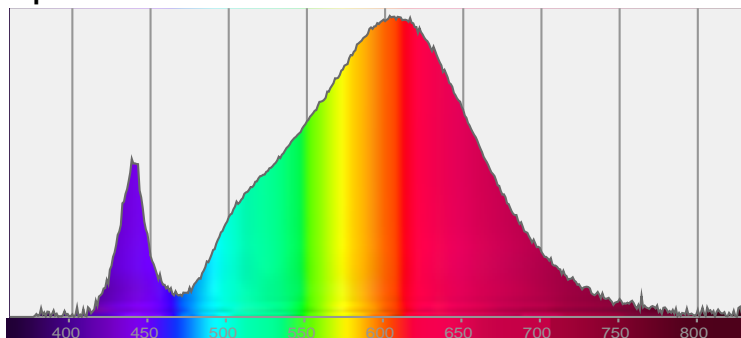


CIE 1931

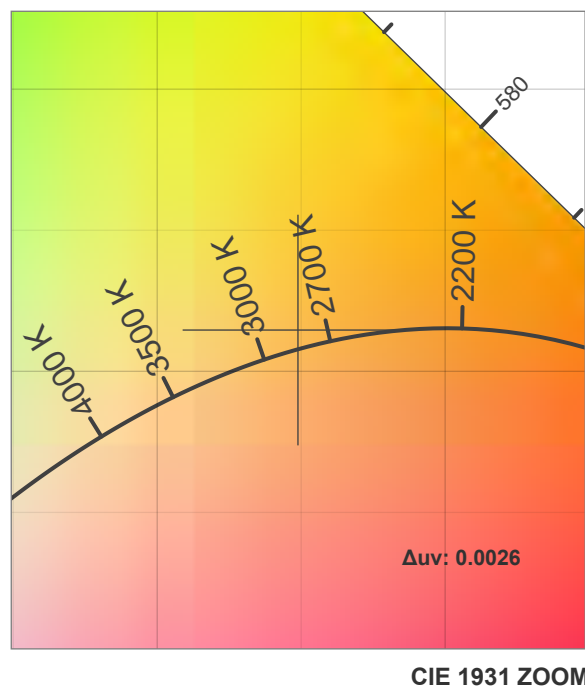
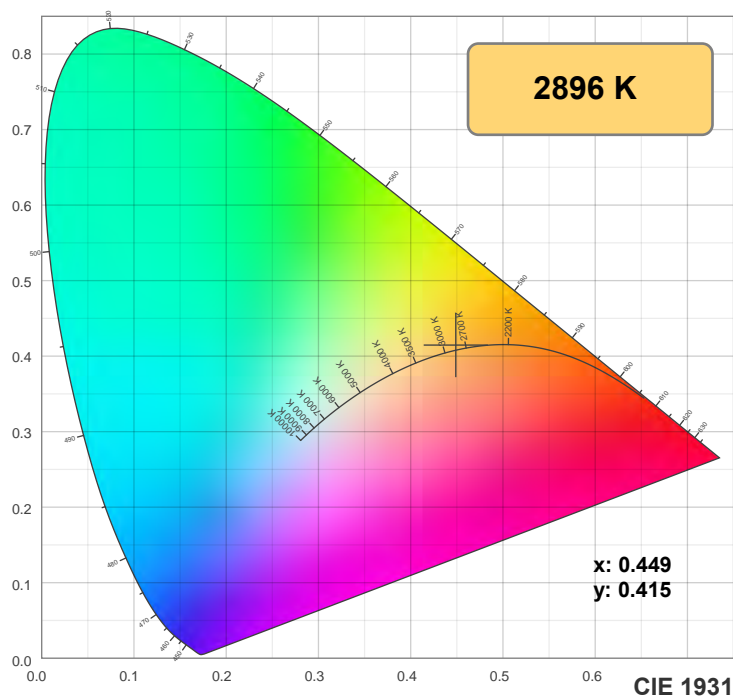
x: 0.449

y: 0.415

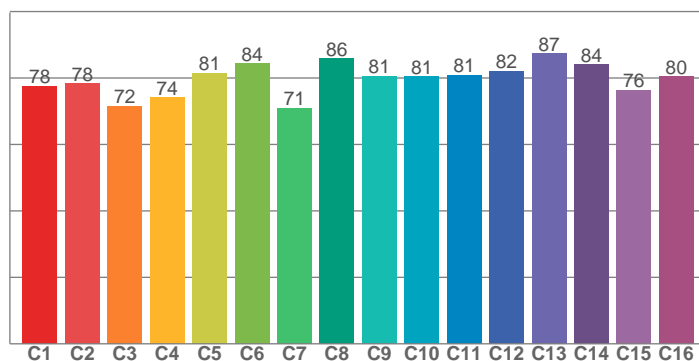
Spectra



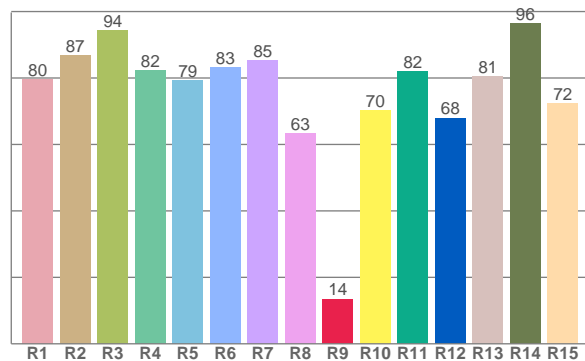
Color details



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
79.6	86.7	94.2	82.4	79.3	83.3	85.4	63.2	13.5	70.4	81.9	68.0	80.5	96.4	72.4

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
77.6	78.4	71.5	74.2	81.5	84.3	71.0	85.8	80.6	80.5	80.9	82.1	87.4	84.0	76.4	80.5

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
2896 K	81.8	13.5	79.5	98.9	0.449	0.415	0.254	0.351	0.0026

TM30 details

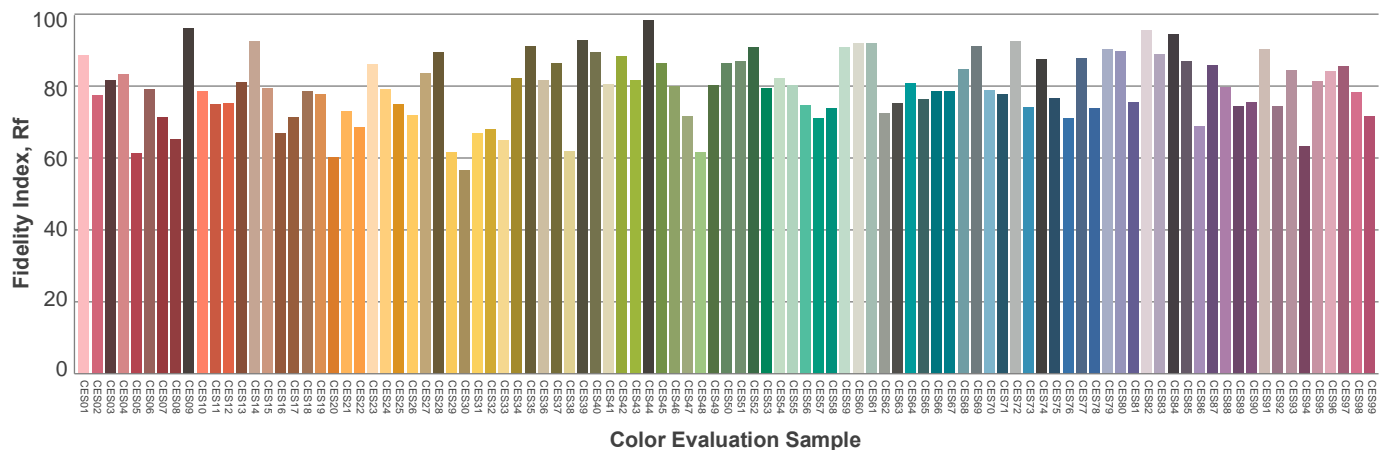
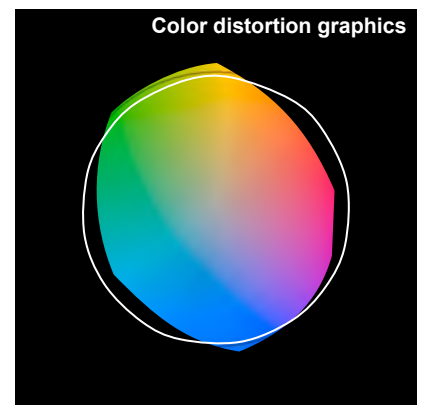
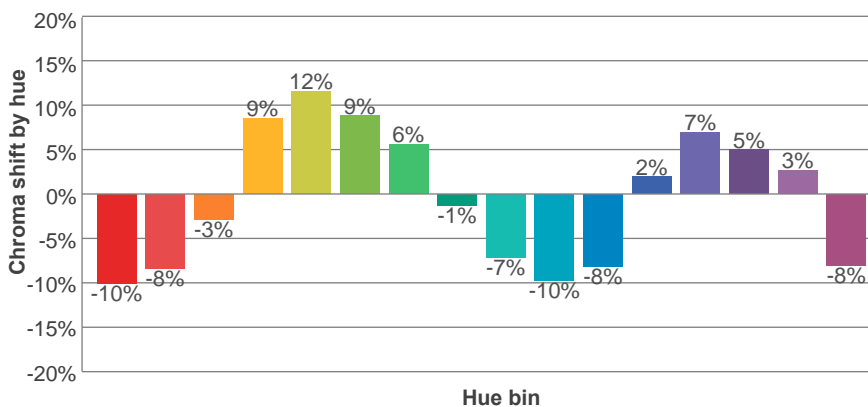
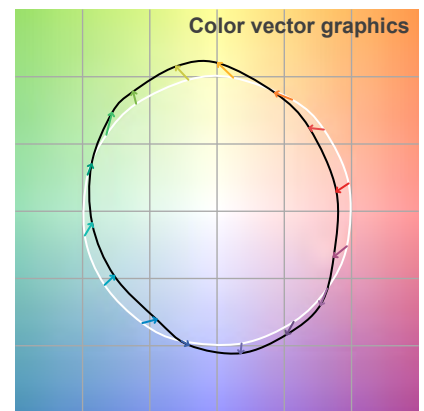
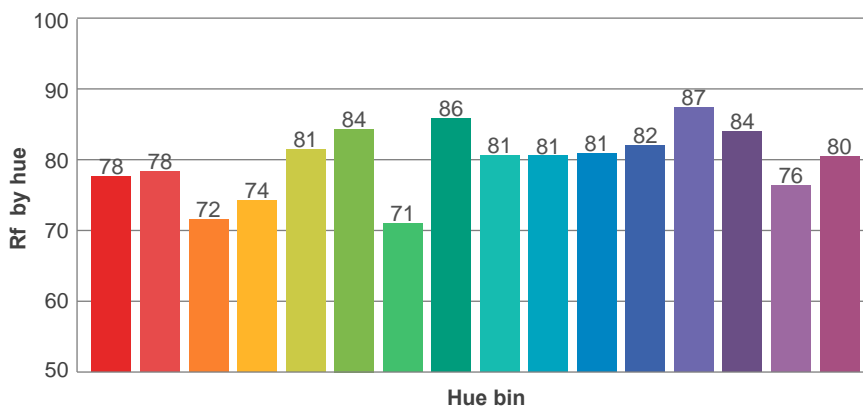
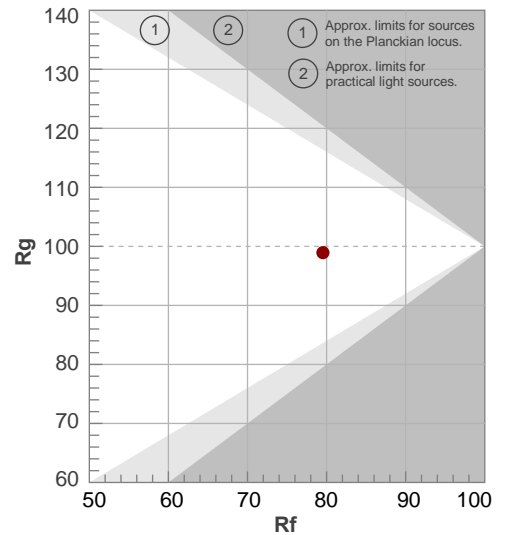
Rf 79.5

Fidelity index Rf

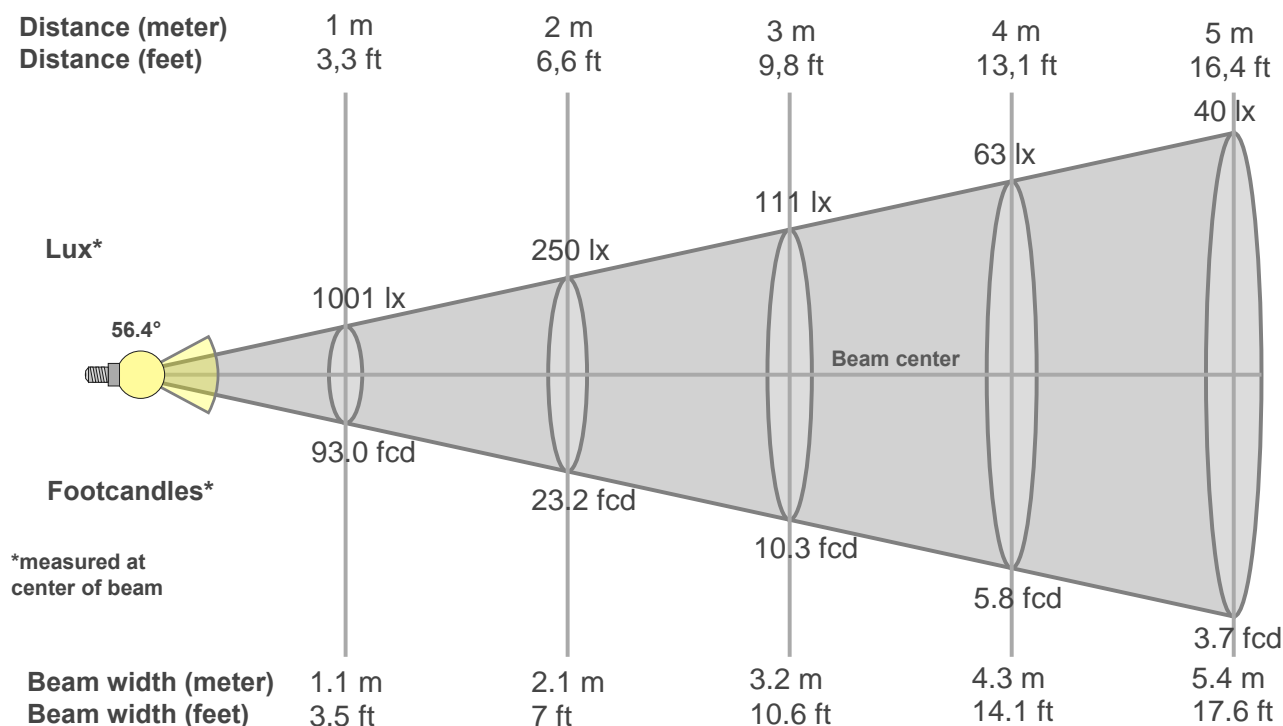
Rg 98.9

Gamut index Rg

Hue Bin	R _f	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	81	-10%	-2%
11	81	-8%	7%
12	82	2%	6%
13	87	7%	-2%
14	84	5%	-10%
15	76	3%	-13%
16	80	-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
1001lx	250lx	111lx	63lx	40lx	28lx	20lx	16lx	12lx	10lx	8lx	7lx	6lx	5lx	4lx	4lx	3lx	3lx	3lx	3lx
93fcd	23.2fcd	10.3fcd	5.8fcd	3.7fcd	2.6fcd	1.9fcd	1.5fcd	1.1fcd	0.9fcd	0.8fcd	0.6fcd	0.6fcd	0.5fcd	0.4fcd	0.4fcd	0.3fcd	0.3fcd	0.3fcd	0.2fcd

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°
1001	996	984	965	939	907	872	831	787	742	697	650	603	555	505	453	399	342	282	222
100%	100%	98%	96%	94%	91%	87%	83%	79%	74%	70%	65%	60%	55%	51%	45%	40%	34%	28%	22%

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°
1001	997	987	970	945	915	879	838	795	750	702	654	606	556	506	454	401	344	285	224
100%	100%	99%	97%	94%	91%	88%	84%	79%	75%	70%	65%	61%	56%	51%	45%	40%	34%	28%	22%

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°
1001	997	987	971	947	917	881	840	797	750	703	653	604	554	505	454	401	345	287	227
100%	100%	99%	97%	95%	92%	88%	84%	80%	75%	70%	65%	60%	55%	50%	45%	40%	34%	29%	23%

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°
1001	996	985	967	942	911	876	833	789	743	698	650	602	555	506	455	402	346	288	229
100%	100%	98%	97%	94%	91%	88%	83%	79%	74%	70%	65%	60%	55%	51%	45%	40%	35%	29%	23%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
56.4°	86.2°	98.3°	98.9%	96.4%