

Light efficiency:

73 Lumen/Watt

Light quality:

CRI: 80.9

Color temperature:

2965 K

Output: 1314 lm

Peak: 2885 cd

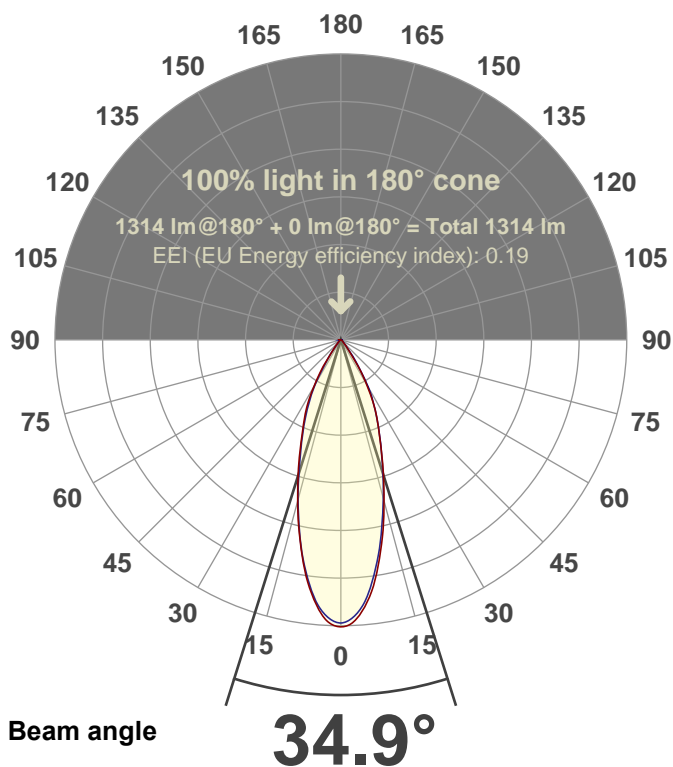
Power: 17.9 W

PF: 0.98



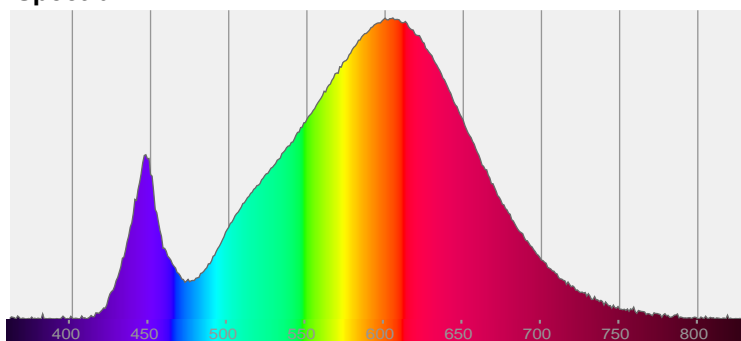
**112250-XTM19-20LM-30K-83-DA20-UNV-
ELV-WH-CLR**

Date and time:
12/11/2019 3:18:51 PM

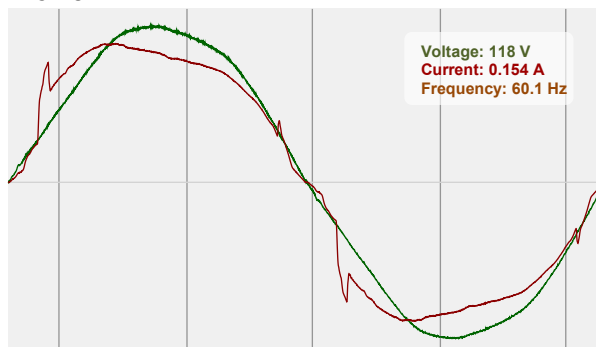


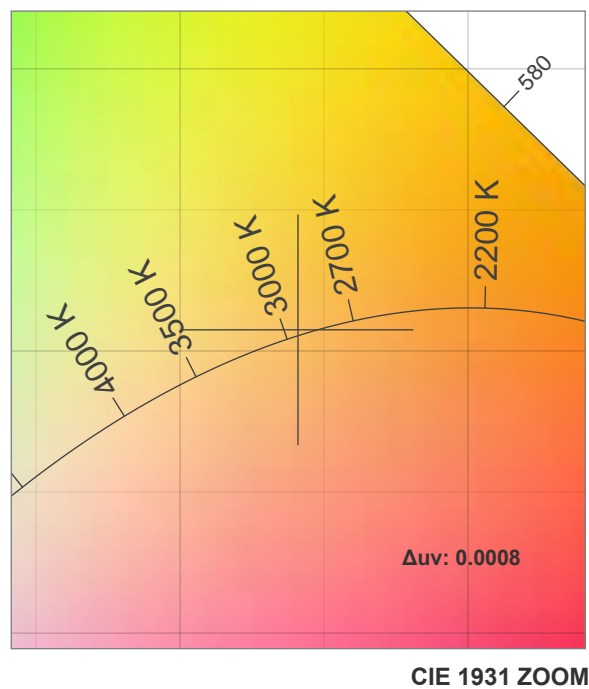
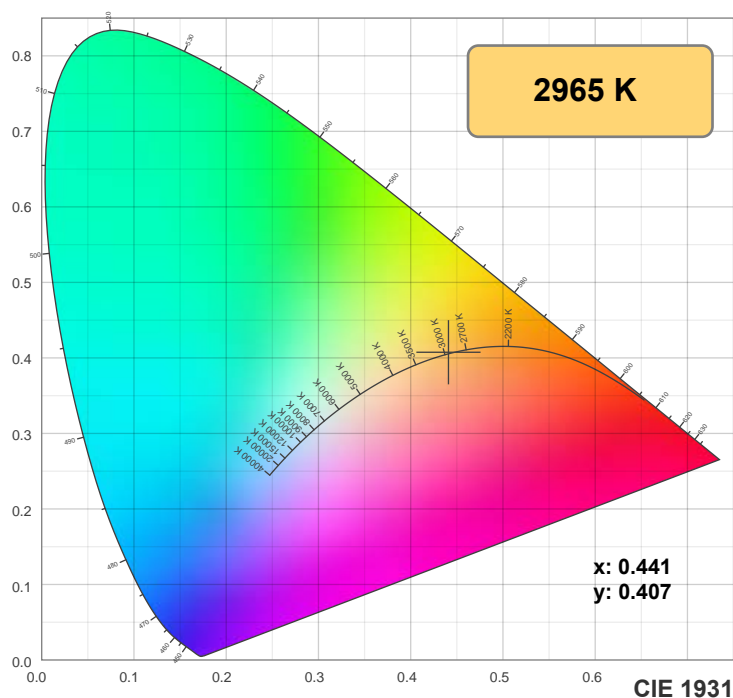
CIE 1931
x: 0.441
y: 0.407

Spectra

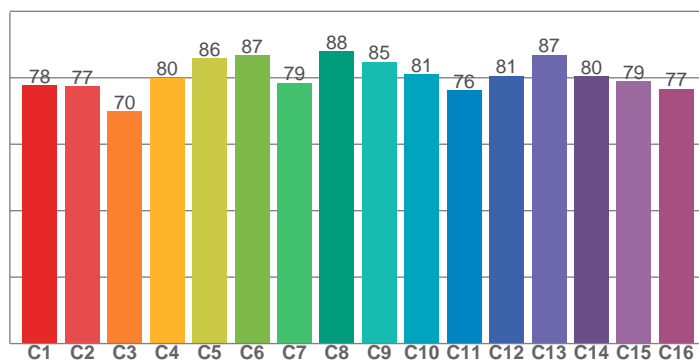


Power

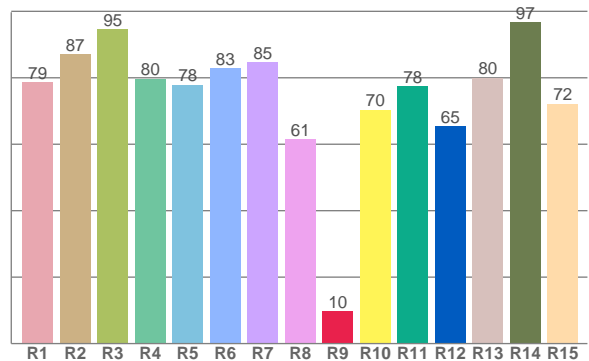




TM30: 80.3



CRI: 80.9 (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
78.6	87.1	94.7	79.7	77.9	82.8	84.6	61.4	9.8	70.4	77.5	65.4	80.0	96.7	72.2

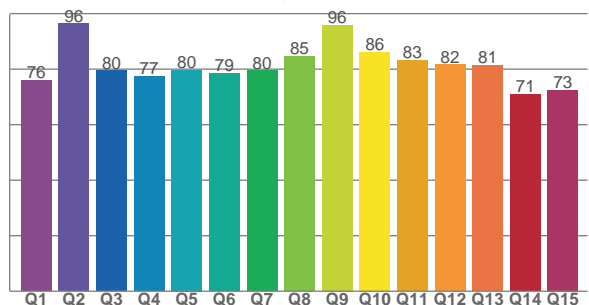
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
77.7	77.5	69.9	80.1	85.9	86.7	78.5	87.9	84.8	81.1	76.2	80.6	86.9	80.5	78.9	76.7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
76.0	96.4	79.5	77.4	79.8	78.5	79.6	84.6	95.9	86.1	83.2	81.7	81.4	71.0	72.6

CQS: 80.2



Color parameters

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	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	CQS	x	y	u	v	Δuv
2965 K	80.9	9.8	80.3	98.0	80.2	0.441	0.407	0.252	0.349	0.0008

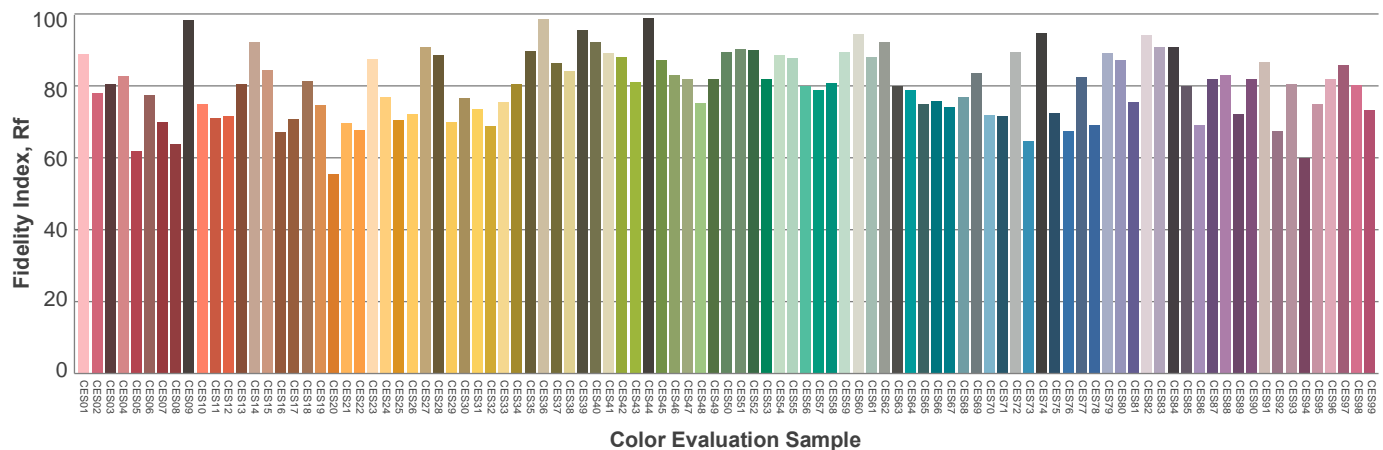
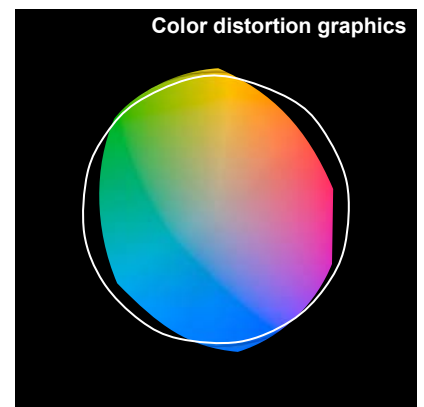
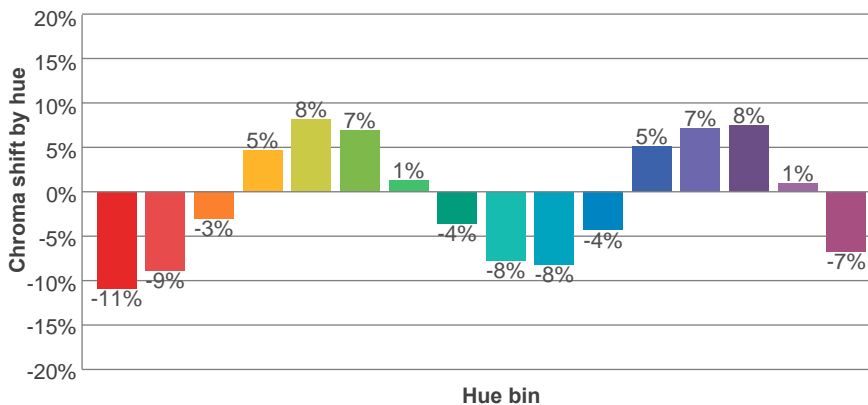
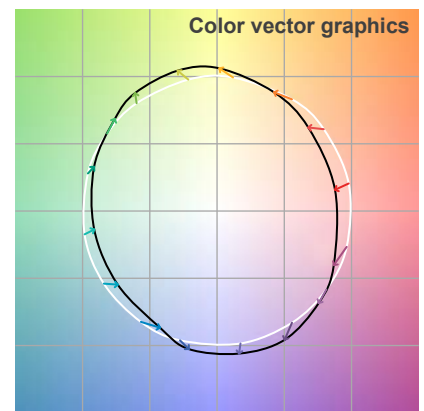
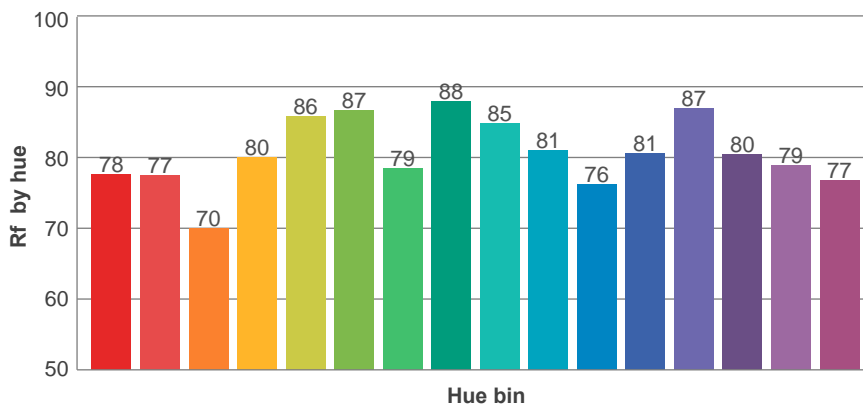
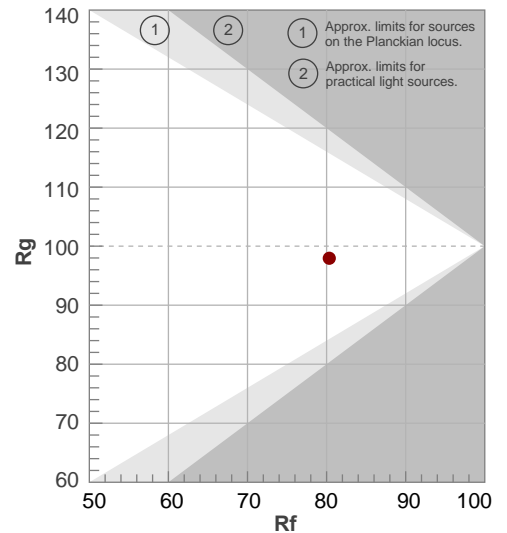
Rf 80.3

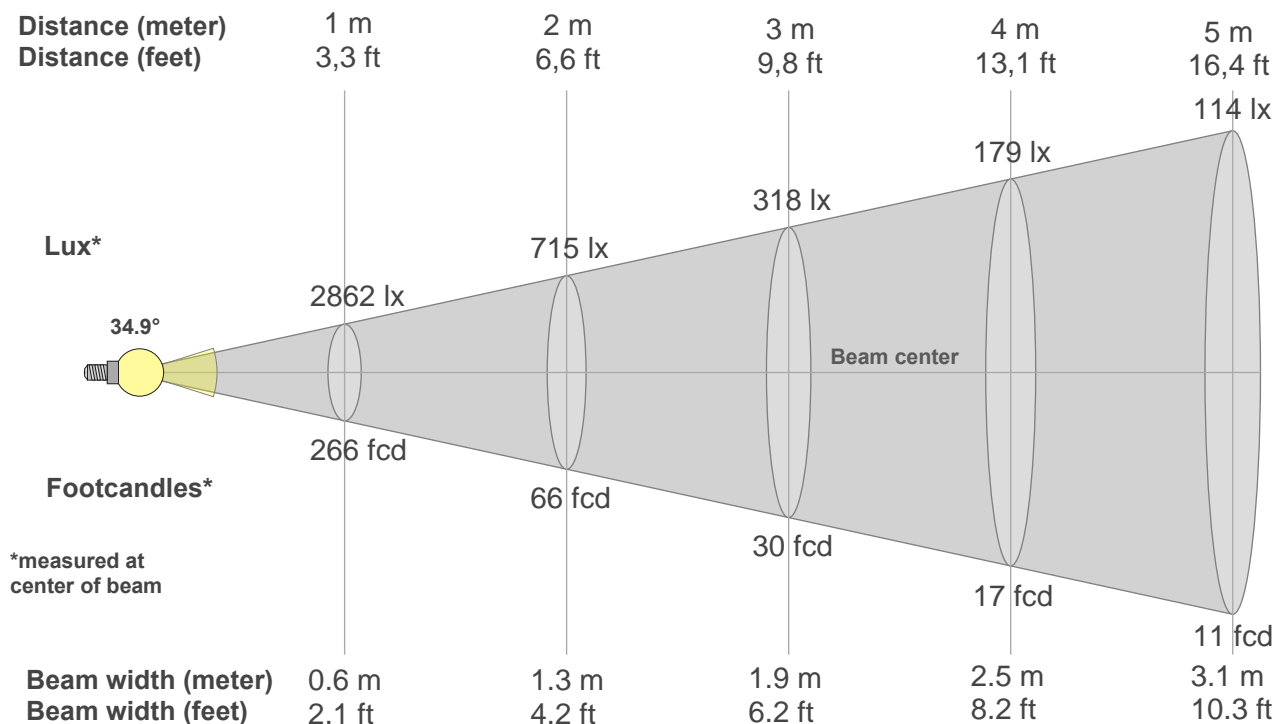
Fidelity index Rf

Rg 98.0

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	78	-11%	-3%
2	77	-9%	7%
3	70	-3%	14%
4	80	5%	11%
5	86	8%	7%
6	87	7%	-3%
7	79	1%	-12%
8	88	-4%	-6%
9	85	-8%	-2%
10	81	-8%	6%
11	76	-4%	14%
12	81	5%	8%
13	87	7%	-3%
14	80	8%	-12%
15	79	1%	-12%
16	77	-7%	-15%





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
2862lx	715lx	318lx	179lx	114lx	79lx	58lx	45lx	35lx	29lx	24lx	20lx	17lx	15lx	13lx	11lx	10lx	9lx	8lx	7lx
265.9fcd	66.5fcd	29.5fcd	16.6fcd	10.6fcd	7.4fcd	5.4fcd	4.2fcd	3.3fcd	2.7fcd	2.2fcd	1.8fcd	1.6fcd	1.4fcd	1.2fcd	1fcd	0.9fcd	0.8fcd	0.7fcd	0.7fcd

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°
2862	2874	2751	2625	2454	2240	2027	1808	1589	1394	1216	1046	920	794	662	527	397	283	169	114
100%	100%	96%	92%	86%	78%	71%	63%	56%	49%	42%	37%	32%	28%	23%	18%	14%	10%	6%	4%

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°
2862	2790	2714	2580	2389	2197	1980	1764	1566	1379	1199	1058	918	793	676	556	427	298	209	134
100%	97%	95%	90%	83%	77%	69%	62%	55%	48%	42%	37%	32%	28%	24%	19%	15%	10%	7%	5%

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°
2862	2850	2759	2608	2450	2233	2015	1803	1595	1395	1228	1061	929	811	688	554	420	308	200	120
100%	100%	96%	91%	86%	78%	70%	63%	56%	49%	43%	37%	32%	28%	24%	19%	15%	11%	7%	4%

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°
2862	2794	2726	2593	2411	2224	2004	1783	1575	1375	1186	1043	899	769	643	516	386	256	177	111
100%	98%	95%	91%	84%	78%	70%	62%	55%	48%	41%	36%	31%	27%	22%	18%	13%	9%	6%	4%

Beam angle 50°	Field angle 10°	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
{B_ANG}°	68°	80.8°	98.7%	96.5%