

Light efficiency:

69 Lumen/Watt

Light quality:

CRI: 82.0

Color temperature:

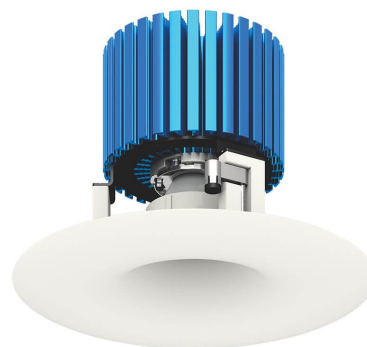
2936 K

Output: 3352 lm

Peak: 4602 cd

Power: 48.9 W

PF: 1.0

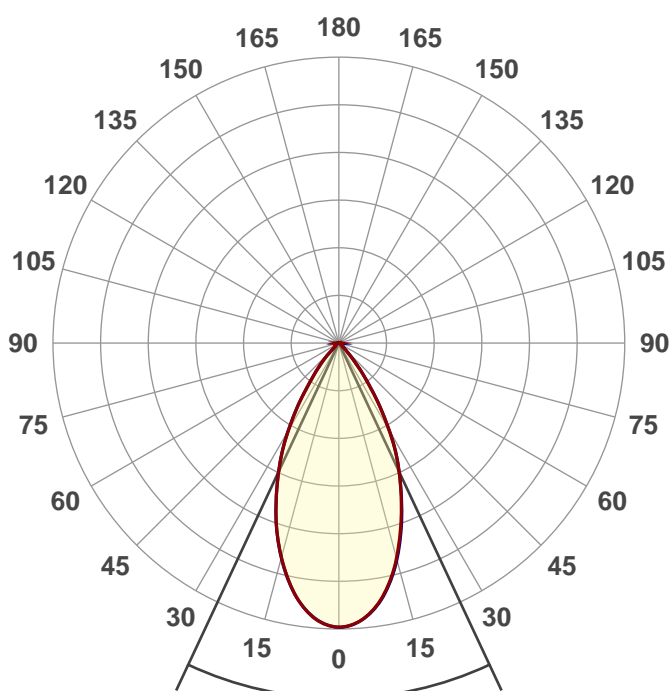


Product name:

621-4INV-XTM19-40LM-30K-83-
SA50-120-DIM10-NC-WH

Date and time:

12/5/2016 4:22:44 PM



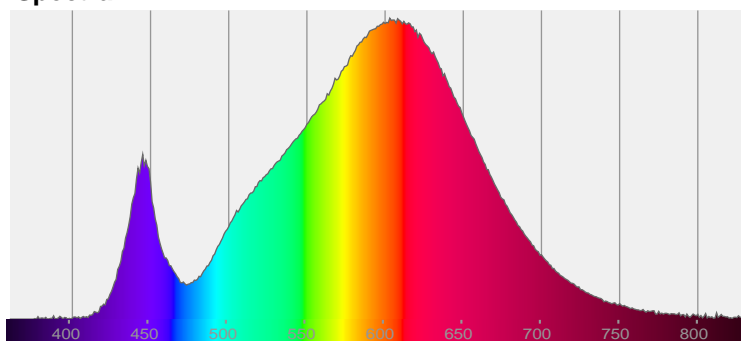
Beam angle

50.2°

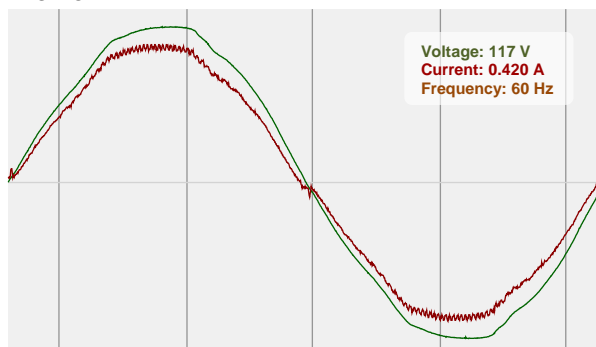


CIE 1931
x: 0.442
y: 0.406

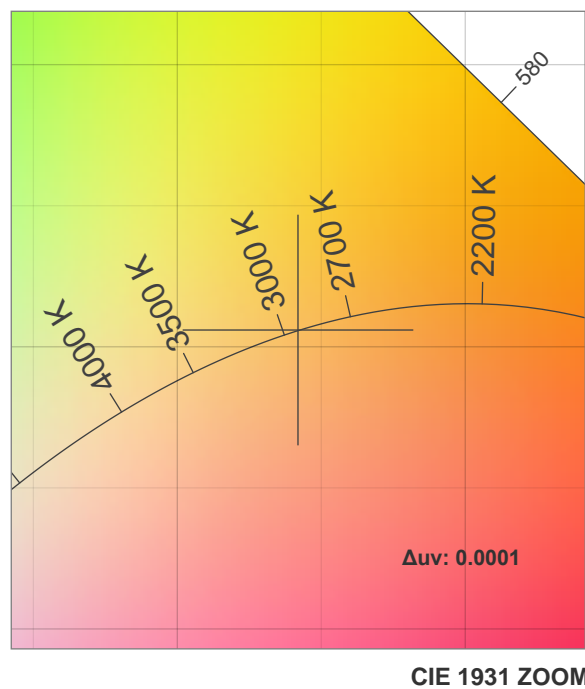
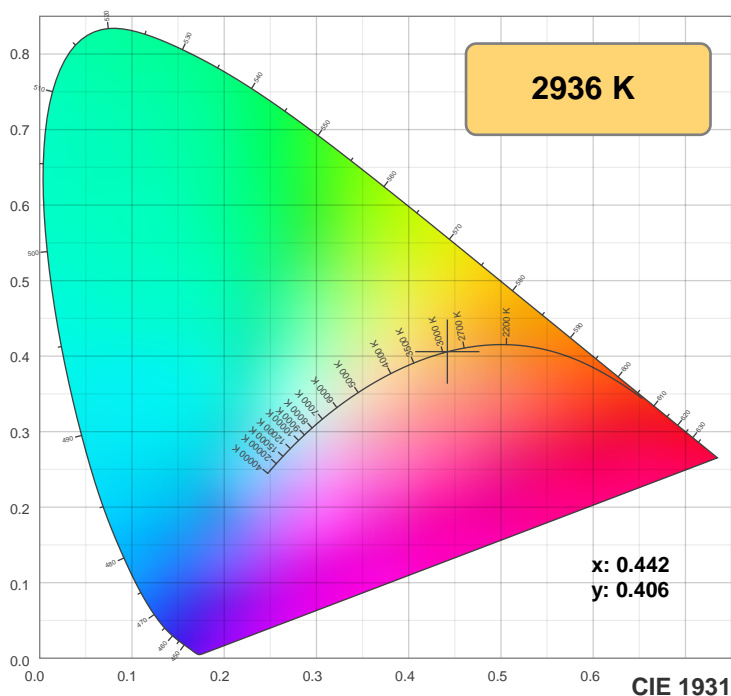
Spectra



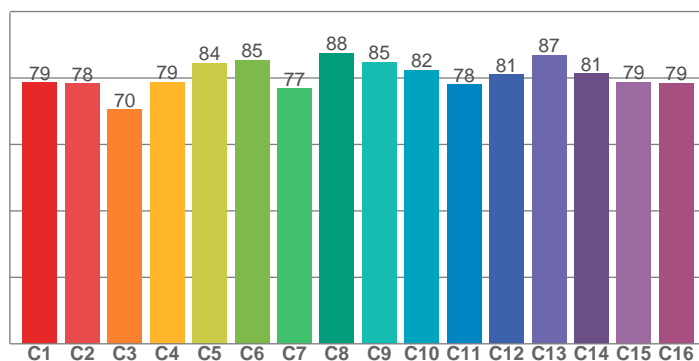
Power



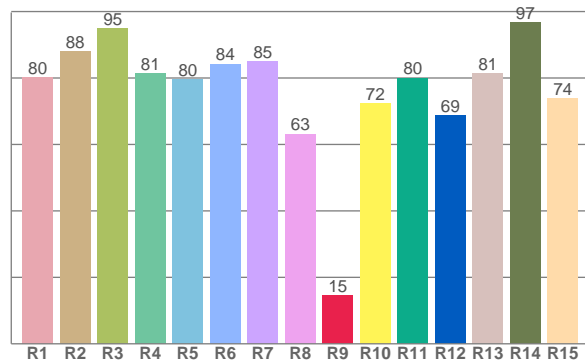
Color details



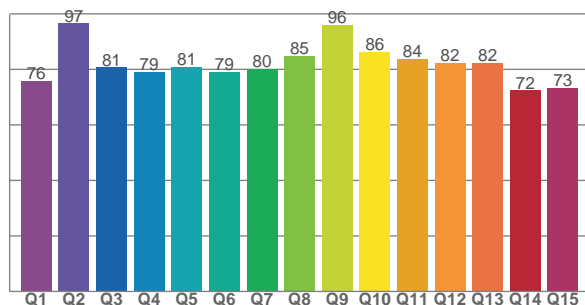
TM30: 80.6



CRI: 82.0 (R1-R8)



CQS: 80.9



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
80.1	87.9	94.9	81.3	79.6	84.3	84.9	63.2	14.6	72.4	80.0	68.9	81.4	96.8	73.8

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	78.3	70.4	78.8	84.5	85.4	76.9	87.6	84.8	82.5	78.1	81.1	86.9	81.4	78.8	78.5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
75.8	96.6	80.7	79.2	80.8	79.0	80.1	84.9	96.0	86.3	83.8	82.4	82.3	72.4	73.4

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
2936 K	82.0	14.6	80.6	99.1	80.9	0.442	0.406	0.253	0.349	0.0001

TM30 details

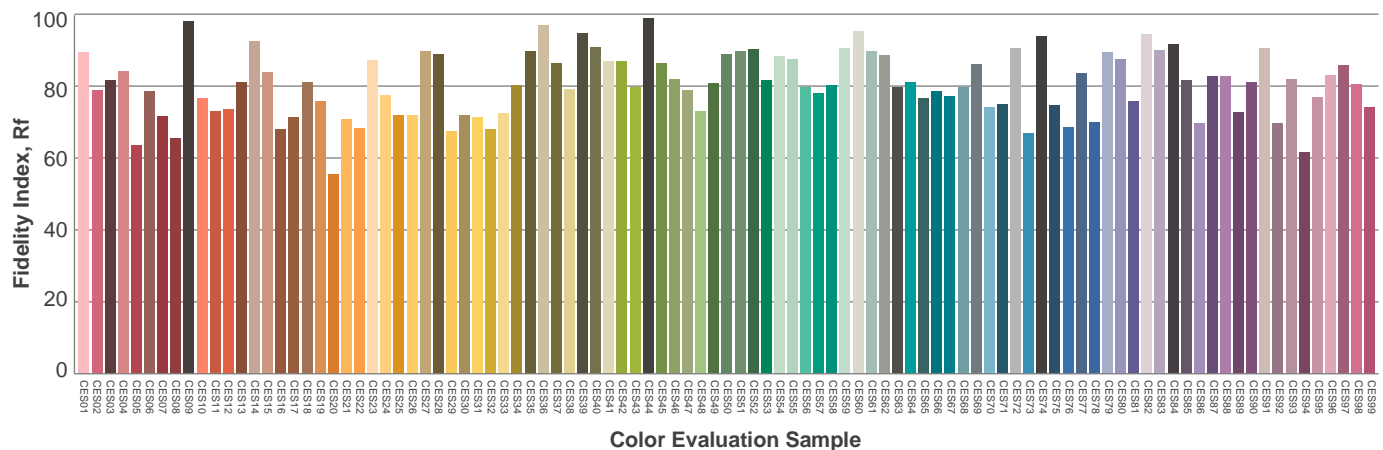
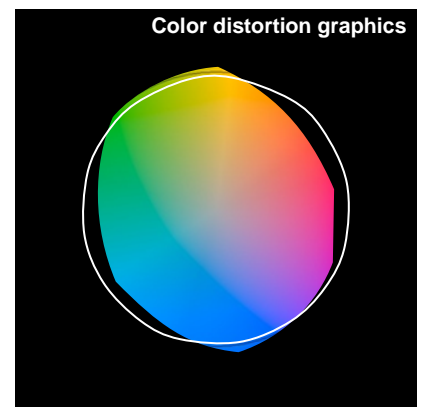
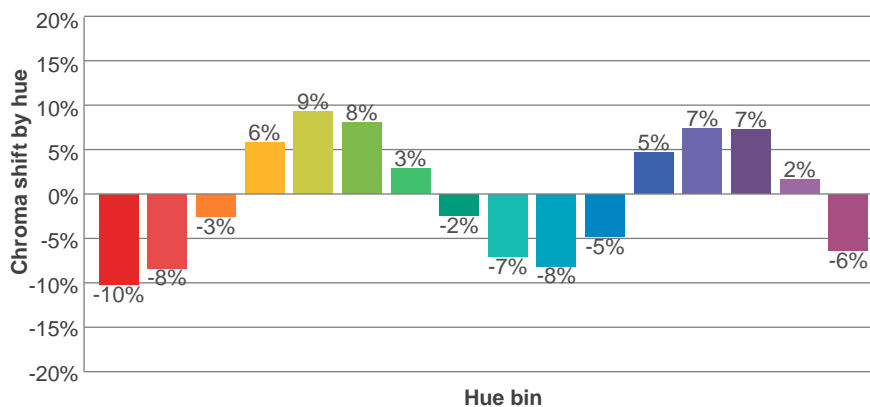
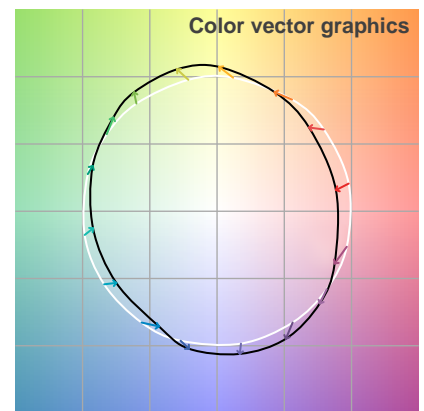
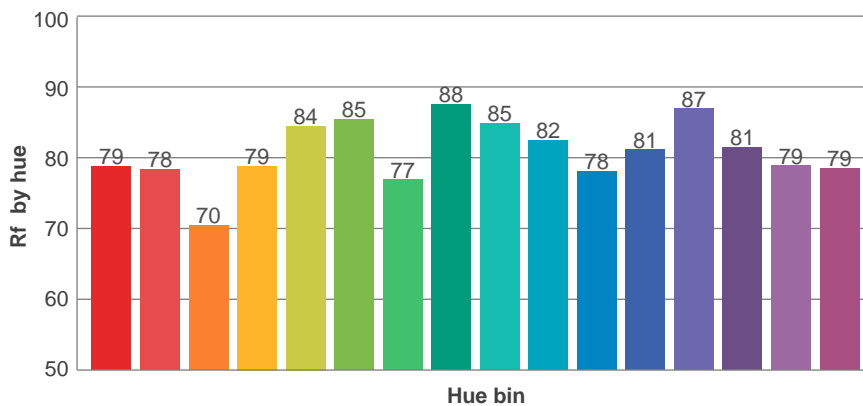
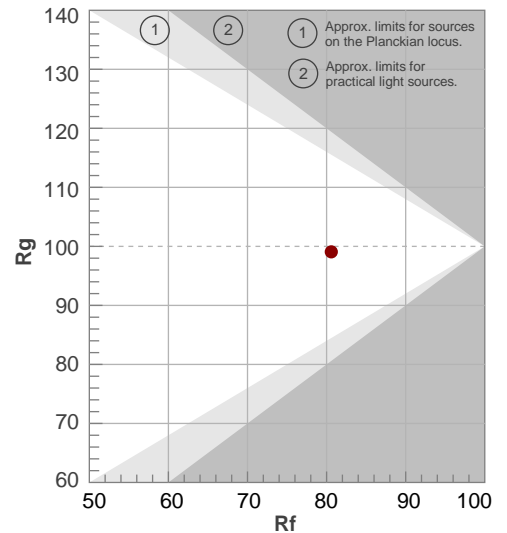
Rf 80.6

Fidelity index Rf

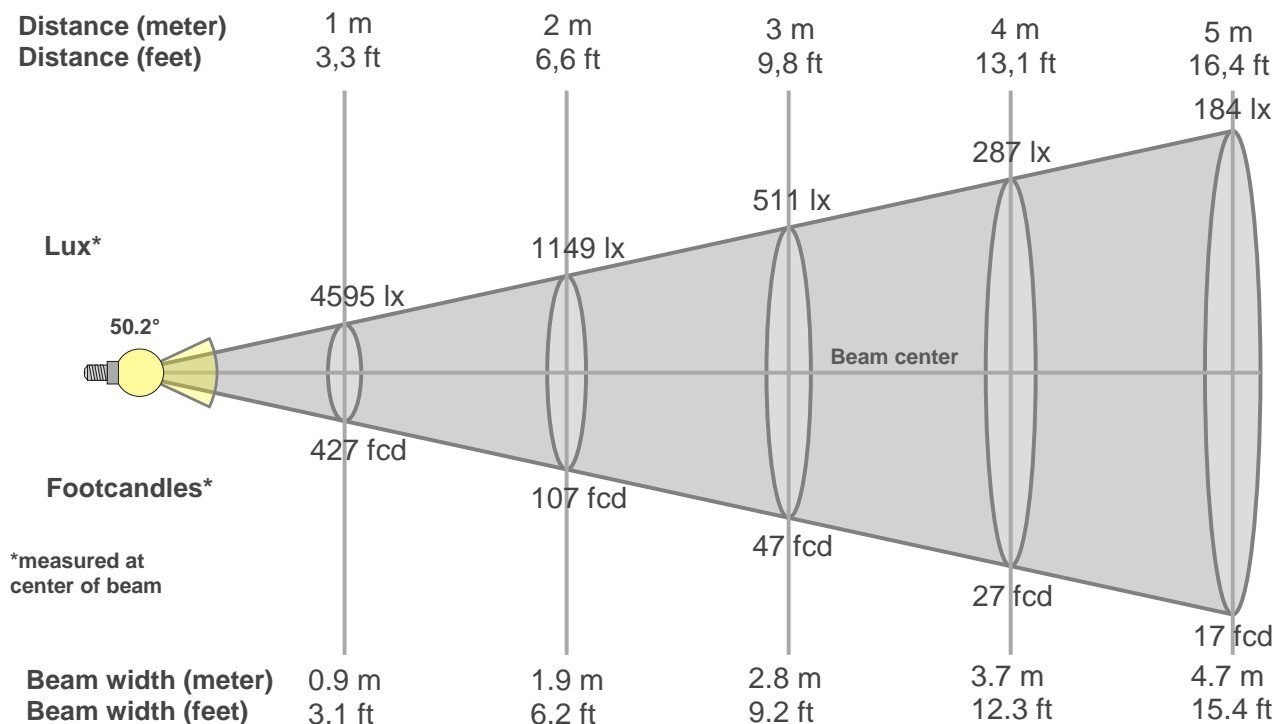
Rg 99.1

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	79	-10%	-3%
2	78	-8%	7%
3	70	-3%	14%
4	79	6%	12%
5	84	9%	7%
6	85	8%	-3%
7	77	3%	-13%
8	88	-2%	-7%
9	85	-7%	-4%
10	82	-8%	4%
11	78	-5%	12%
12	81	5%	7%
13	87	7%	-2%
14	81	7%	-11%
15	79	2%	-12%
16	79	-6%	-14%



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
4595lx	1149lx	511lx	287lx	184lx	128lx	94lx	72lx	57lx	46lx	38lx	32lx	27lx	23lx	20lx	18lx	16lx	14lx	13lx	11lx
426.9fc	106.7fc	47.4fcd	26.7fcd	17.1fcd	11.9fcd	8.7fcd	6.7fcd	5.3fcd	4.3fcd	3.5fcd	3fcd	2.5fcd	2.2fcd	1.9fcd	1.7fcd	1.5fcd	1.3fcd	1.2fcd	1.1fcd

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°
4595	4556	4517	4414	4291	4134	3933	3727	3471	3215	2956	2697	2439	2183	1925	1634	1344	1082	832	612
100%	99%	98%	96%	93%	90%	86%	81%	76%	70%	64%	59%	53%	48%	42%	36%	29%	24%	18%	13%

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°
4595	4560	4517	4422	4298	4151	3950	3749	3497	3242	2978	2708	2441	2181	1921	1635	1347	1086	843	621
100%	99%	98%	96%	94%	90%	86%	82%	76%	71%	65%	59%	53%	47%	42%	36%	29%	24%	18%	14%

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°
4595	4556	4506	4408	4271	4119	3911	3703	3469	3230	2977	2709	2443	2180	1917	1644	1369	1114	879	660
100%	99%	98%	96%	93%	90%	85%	81%	75%	70%	65%	59%	53%	47%	42%	36%	30%	24%	19%	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°
4595	4552	4504	4399	4270	4115	3915	3715	3474	3232	2973	2705	2440	2182	1923	1646	1368	1112	869	654
100%	99%	98%	96%	93%	90%	85%	81%	76%	70%	65%	59%	53%	47%	42%	36%	30%	24%	19%	14%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
50.2°	80.6°	92.6°	98.3%	95.2%