

Light efficiency:

62 Lumen/Watt

Light quality:

CRI: 82.1

Color temperature:

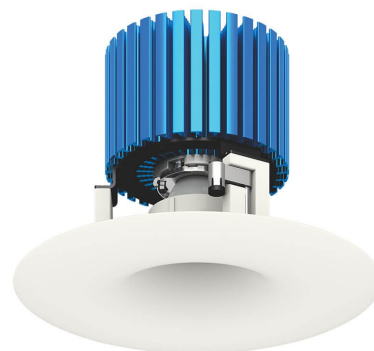
2931 K

Output: 3008 lm

Peak: 3424 cd

Power: 48.8 W

PF: 1.0

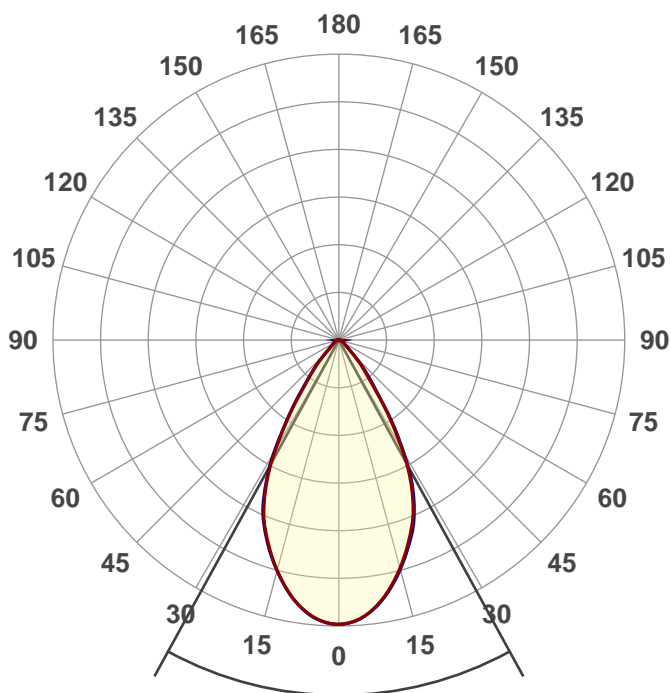


Product name:

621-4INV-XTM19-40LM-30K-83-
DA60-120-DIM10-NC-WH

Date and time:

12/5/2016 4:18:52 PM



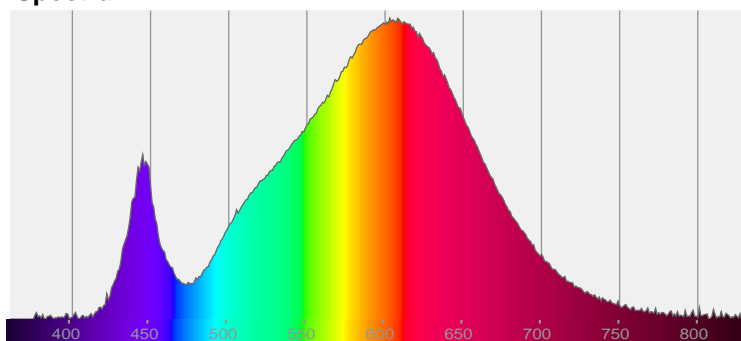
Beam angle

57.5°

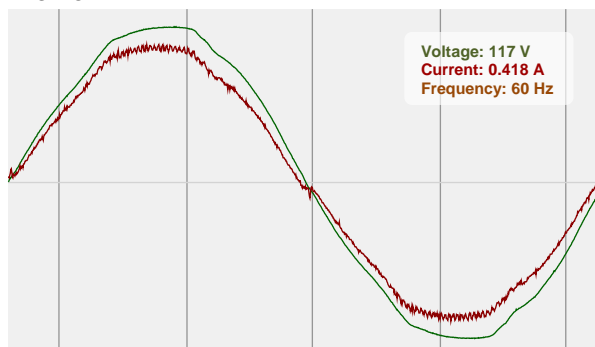


CIE 1931
x: 0.442
y: 0.405

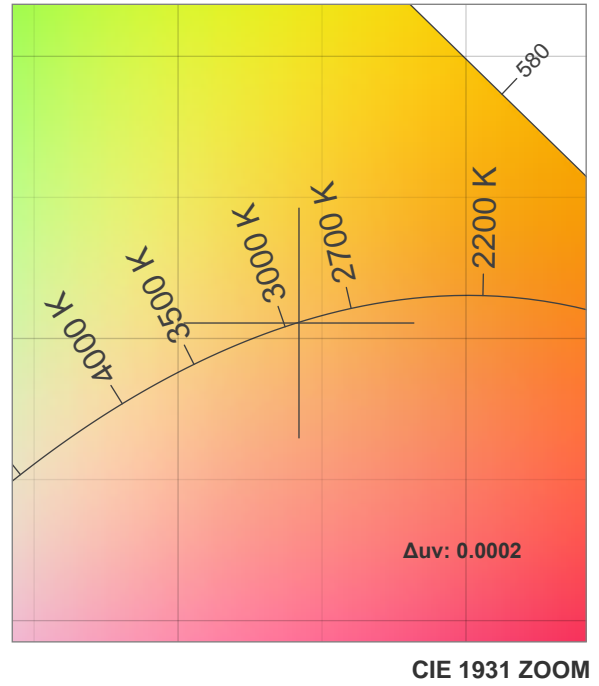
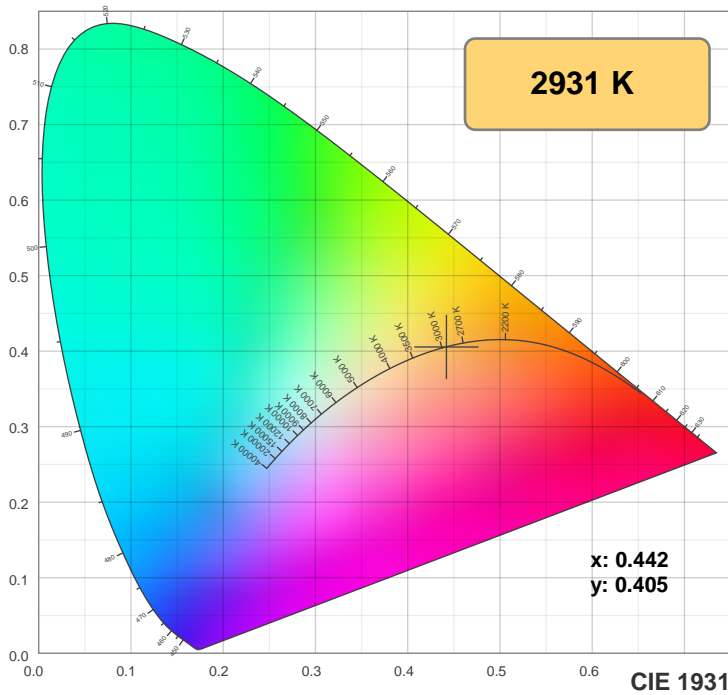
Spectra



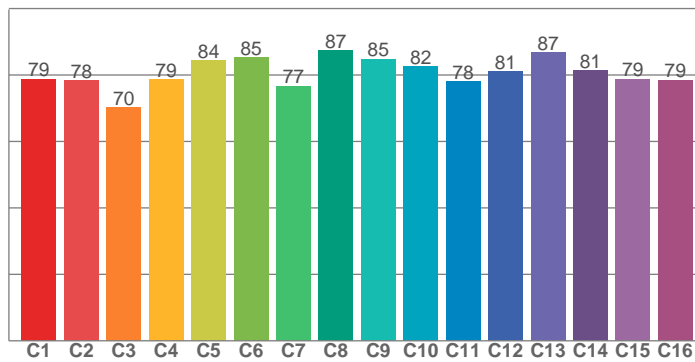
Power



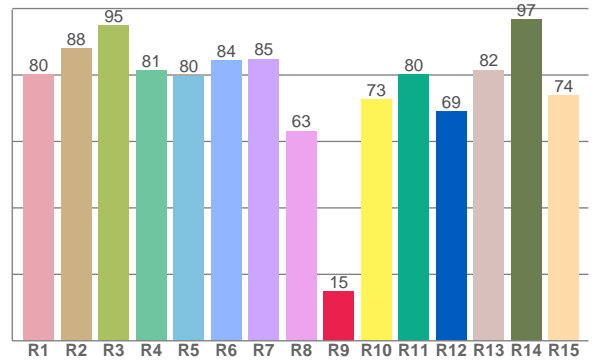
Color details



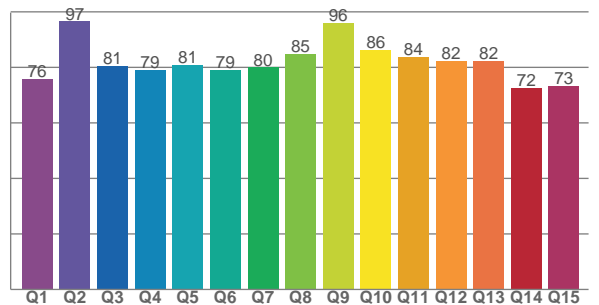
TM30: 80.5



CRI: 82.1 (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
80.2	88.0	94.9	81.4	79.7	84.4	84.9	63.2	14.8	72.6	80.1	69.1	81.5	96.8	73.9

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
78.8	78.3	70.3	78.6	84.3	85.2	76.7	87.4	84.8	82.5	78.1	81.0	86.8	81.4	78.8	78.6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
75.7	96.6	80.6	79.2	80.8	78.9	80.0	84.8	96.0	86.2	83.7	82.2	82.2	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
2931 K	82.1	14.8	80.5	99.2	80.9	0.442	0.405	0.253	0.348	0.0002

TM30 details

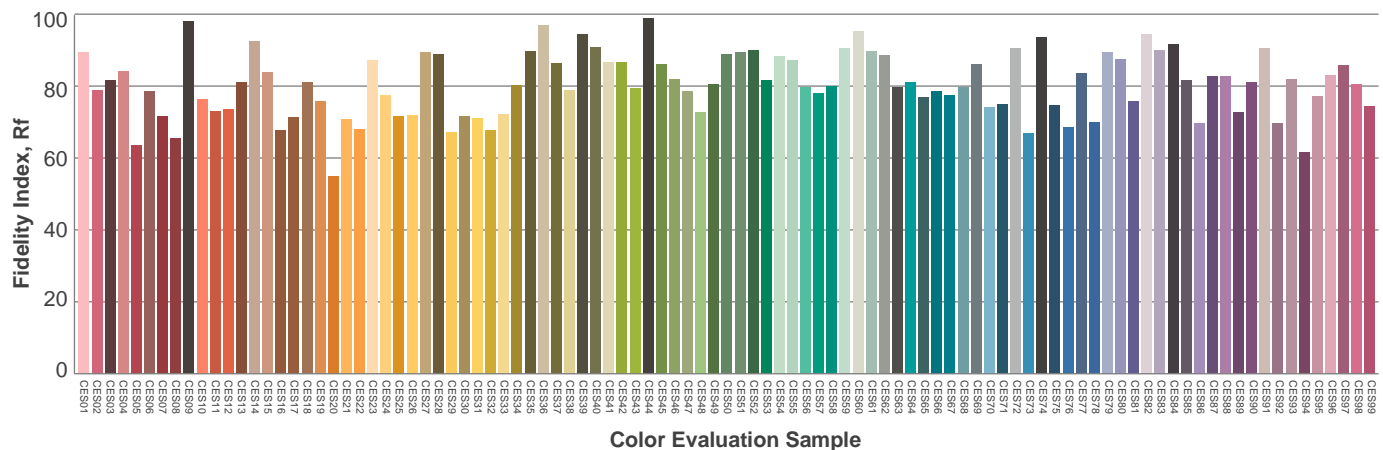
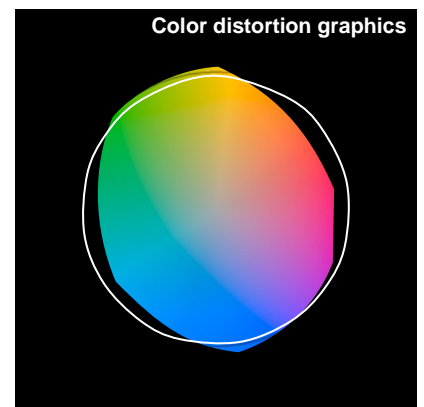
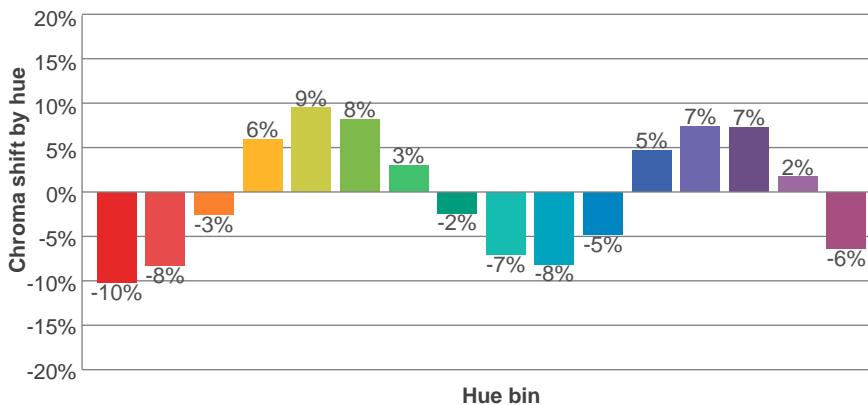
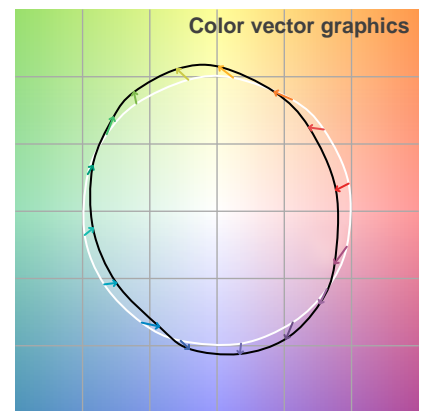
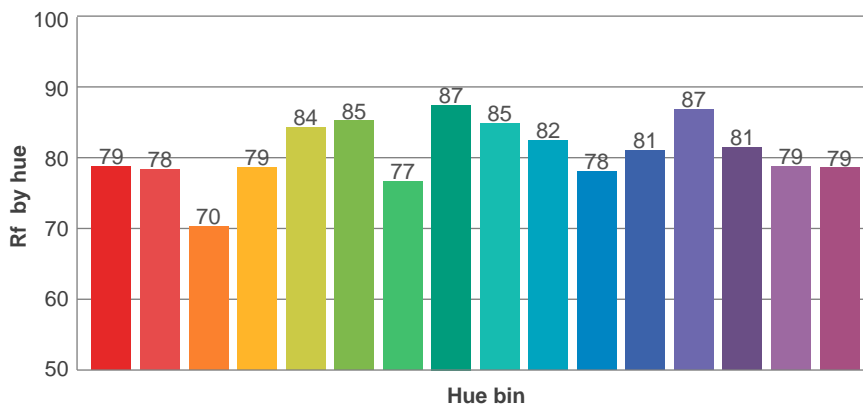
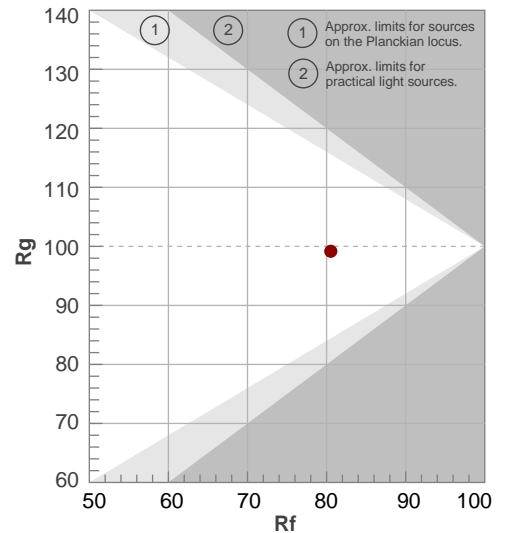
Rf 80.5

Fidelity index Rf

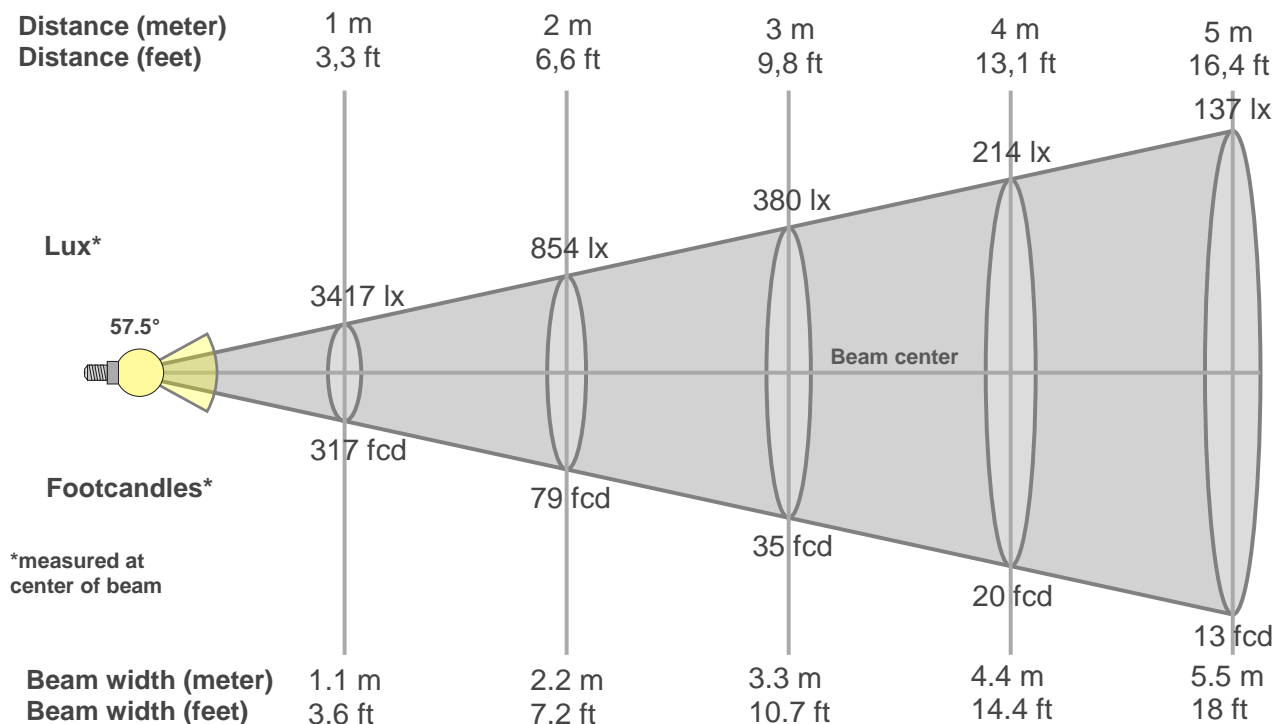
Rg 99.2

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	87	-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
3417lx	854lx	380lx	214lx	137lx	95lx	70lx	53lx	42lx	34lx	28lx	24lx	20lx	17lx	15lx	13lx	12lx	11lx	9lx	9lx
317.4fcd	79.4fcd	35.3fcd	19.8fcd	12.7fcd	8.8fcd	6.5fcd	5fcd	3.9fcd	3.2fcd	2.6fcd	2.2fcd	1.9fcd	1.6fcd	1.4fcd	1.2fcd	1.1fcd	1fcd	0.9fcd	0.8fcd

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°
3417	3396	3367	3307	3227	3138	3023	2907	2775	2641	2500	2353	2197	1991	1786	1533	1269	1024	802	589
100%	99%	99%	97%	94%	92%	88%	85%	81%	77%	73%	69%	64%	58%	52%	45%	37%	30%	23%	17%

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°
3417	3399	3376	3307	3239	3142	3035	2921	2793	2665	2528	2392	2220	2029	1820	1562	1304	1063	825	650
100%	99%	99%	97%	95%	92%	89%	85%	82%	78%	74%	70%	65%	59%	53%	46%	38%	31%	24%	19%

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°
3417	3399	3374	3317	3244	3159	3047	2935	2803	2671	2529	2379	2217	2003	1790	1532	1267	1024	809	605
100%	99%	99%	97%	95%	92%	89%	86%	82%	78%	74%	70%	65%	59%	52%	45%	37%	30%	24%	18%

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°
3417	3406	3372	3329	3246	3163	3053	2936	2812	2680	2547	2394	2241	2035	1807	1566	1300	1034	840	646
100%	100%	99%	97%	95%	93%	89%	86%	82%	78%	75%	70%	66%	60%	53%	46%	38%	30%	25%	19%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
57.5°	86.2°	111.6°	97.8%	92.8%