

Light efficiency:

63 Lumen/Watt

Light quality:

CRI: 82.1

Color temperature:

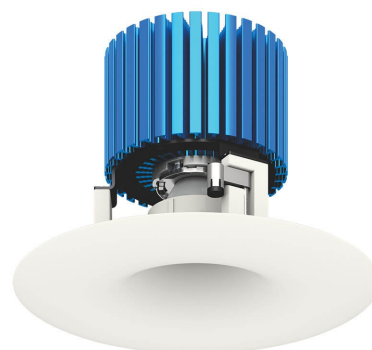
2927 K

Output: 3086 lm

Peak: 4431 cd

Power: 49.2 W

PF: 1.0

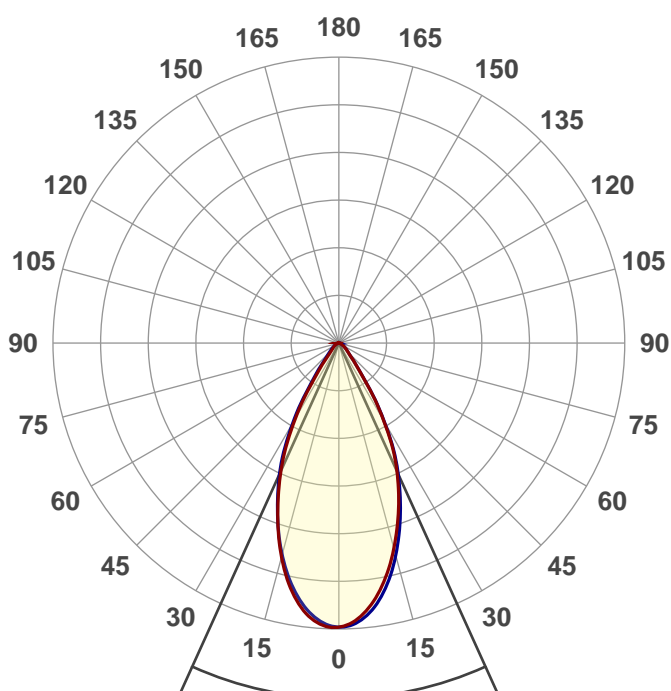


Product name:

621-4INV-XTM19-40LM-30K-83-
DA50-120-DIM10-NC-WH

Date and time:

12/5/2016 4:02:08 PM



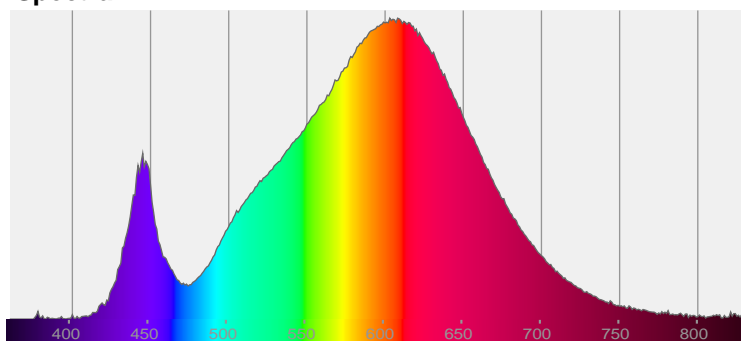
Beam angle

48.8°

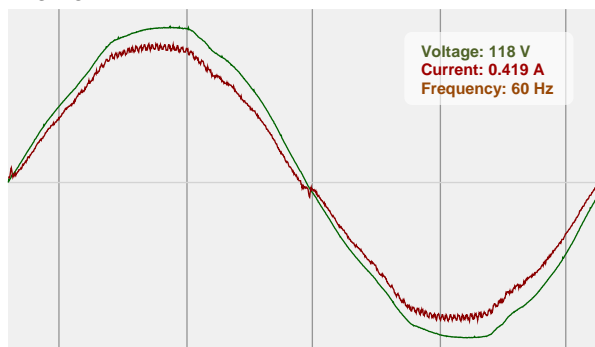


CIE 1931
x: 0.443
y: 0.406

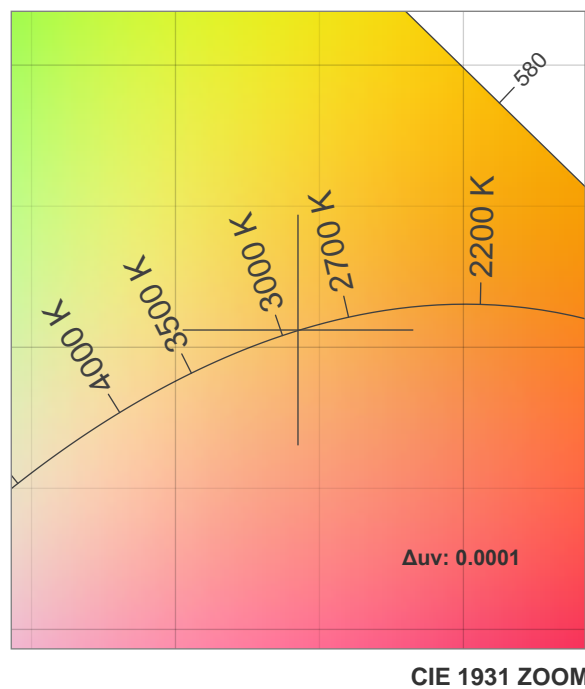
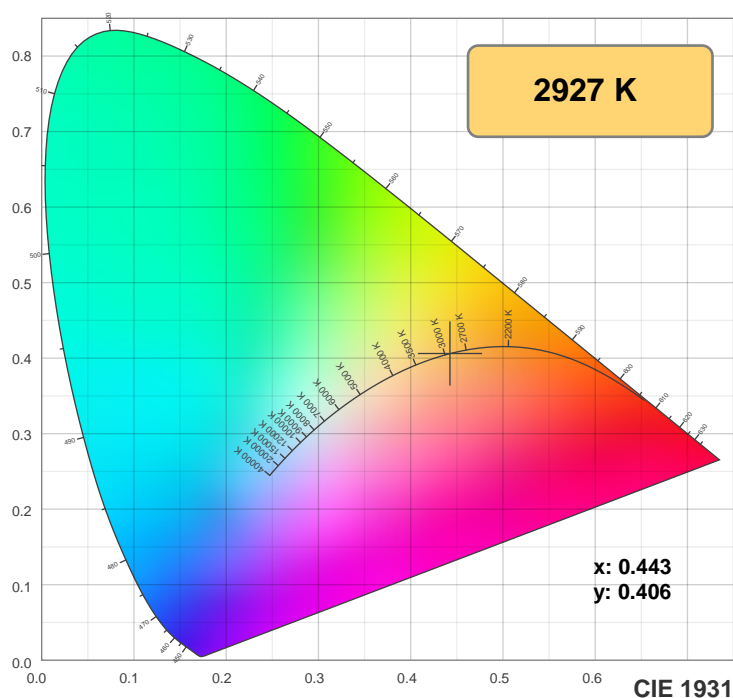
Spectra



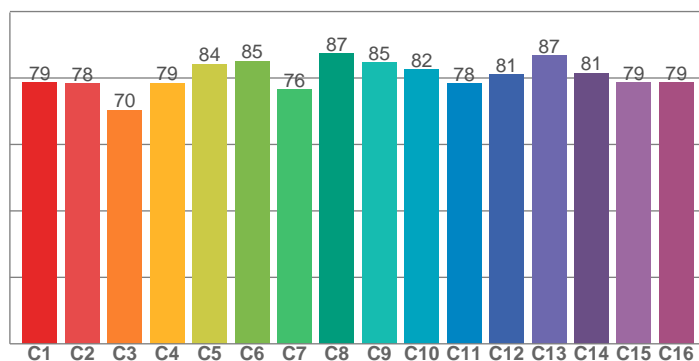
Power



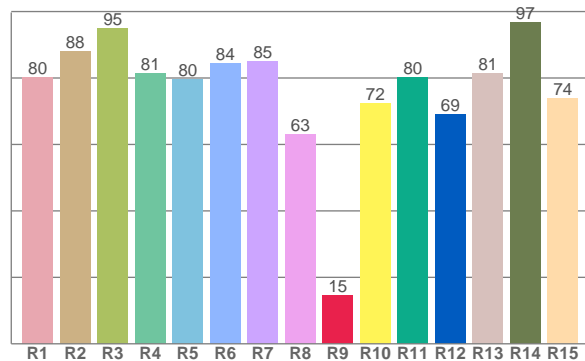
Color details



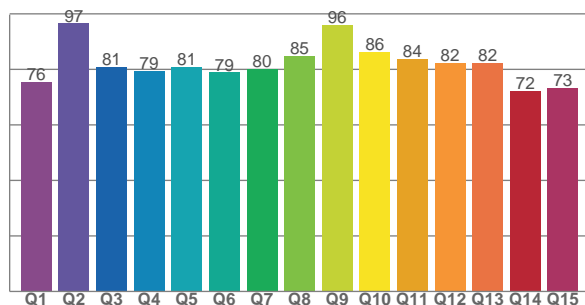
TM30: 80.5



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	84.3	84.9	63.1	14.6	72.4	80.2	69.1	81.5	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	78.5	84.2	85.2	76.5	87.4	84.7	82.5	78.3	81.1	86.8	81.5	78.7	78.7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
75.5	96.5	80.8	79.3	80.8	78.9	80.1	84.9	96.0	86.3	83.8	82.4	82.3	72.3	73.3

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
2927 K	82.1	14.6	80.5	99.2	80.9	0.443	0.406	0.253	0.349	0.0001

TM30 details

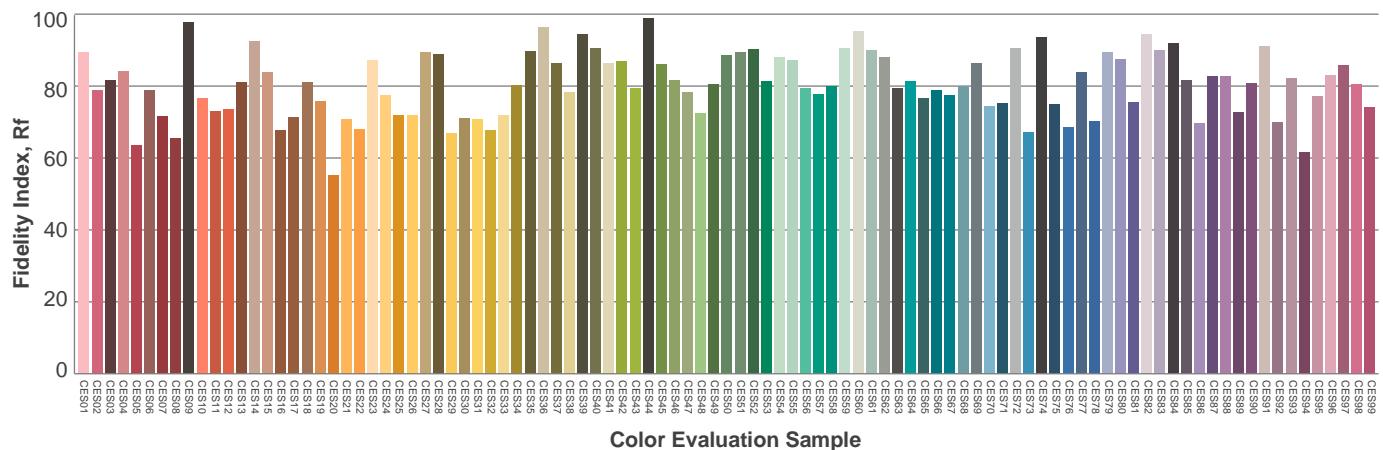
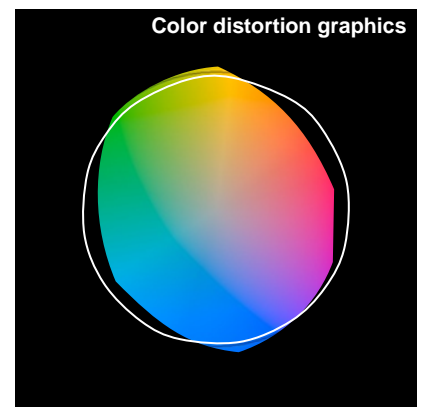
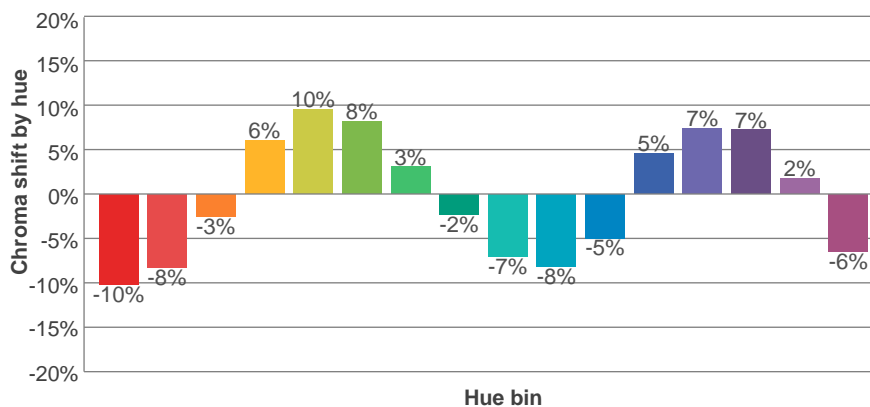
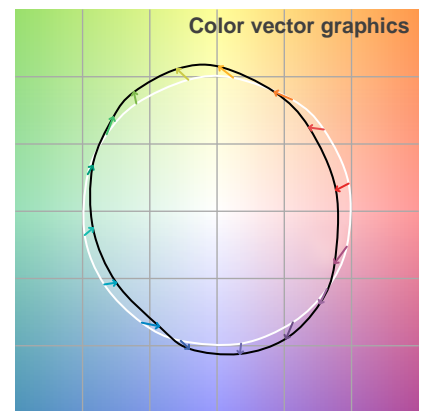
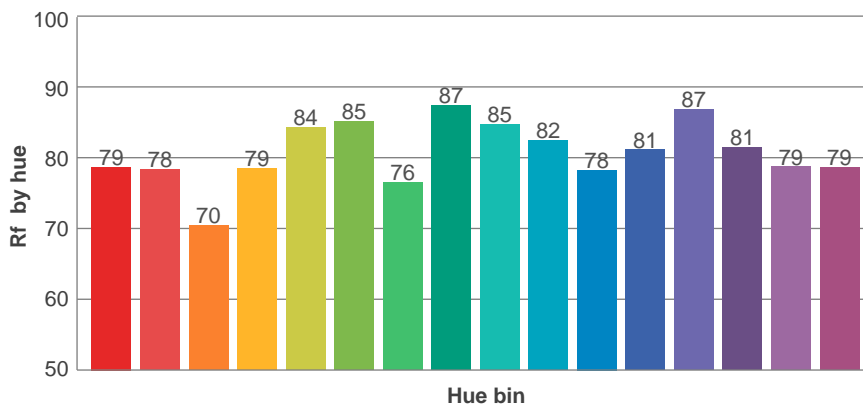
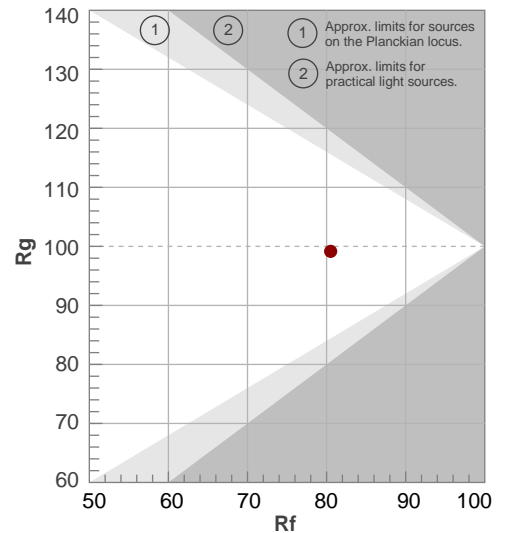
Rf 80.5

Fidelity index Rf

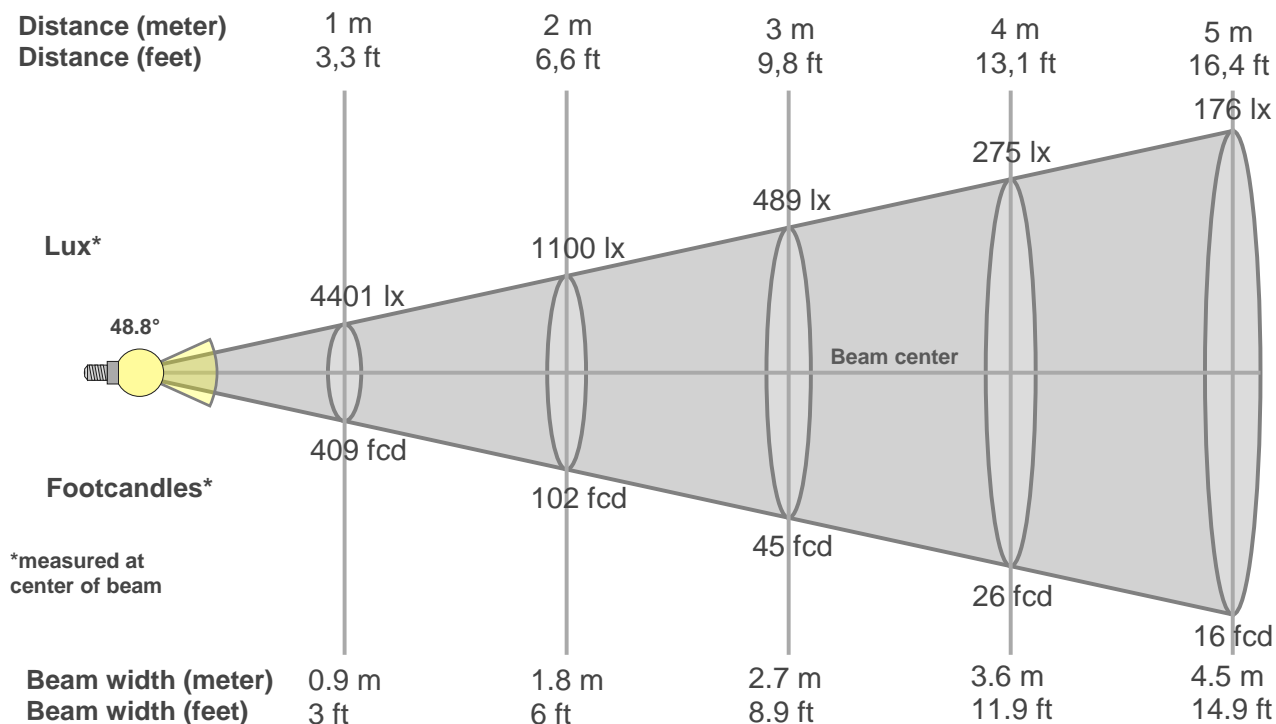
Rg 99.2

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	10%	7%
6	85	8%	-3%
7	76	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
4401lx	1100lx	489lx	275lx	176lx	122lx	90lx	69lx	54lx	44lx	36lx	31lx	26lx	22lx	20lx	17lx	15lx	14lx	12lx	11lx
408.9fc	102.2fc	45.4fcd	25.6fcd	16.4fcd	11.4fcd	8.3fcd	6.4fcd	5fcd	4.1fcd	3.4fcd	2.8fcd	2.4fcd	2.1fcd	1.8fcd	1.6fcd	1.4fcd	1.3fcd	1.1fcd	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°
4401	4372	4286	4164	4029	3837	3646	3424	3192	2959	2721	2482	2233	1982	1710	1415	1122	872	621	463
100%	99%	97%	95%	92%	87%	83%	78%	73%	67%	62%	56%	51%	45%	39%	32%	25%	20%	14%	11%

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°
4401	4397	4338	4238	4125	3942	3759	3537	3299	3057	2802	2548	2285	2021	1740	1439	1137	883	629	462
100%	100%	99%	96%	94%	90%	85%	80%	75%	69%	64%	58%	52%	46%	40%	33%	26%	20%	14%	10%

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°
4401	4430	4358	4283	4156	3984	3805	3564	3323	3059	2784	2510	2235	1959	1662	1361	1074	807	540	415
100%	101%	99%	97%	94%	91%	86%	81%	75%	70%	63%	57%	51%	45%	38%	31%	24%	18%	12%	9%

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°
4401	4405	4314	4223	4087	3918	3741	3518	3295	3050	2796	2541	2283	2025	1735	1441	1159	894	631	502
100%	100%	98%	96%	93%	89%	85%	80%	75%	69%	64%	58%	52%	46%	39%	33%	26%	20%	14%	11%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
48.8°	76.7°	107.3°	98.1%	92.9%