

Light efficiency:

91 Lumen/Watt

Light quality:

CRI: 84.7

Color temperature:

3045 K

Output: 2058 lm

Peak: 5674 cd

Power: 22.7 W

PF: 1.0

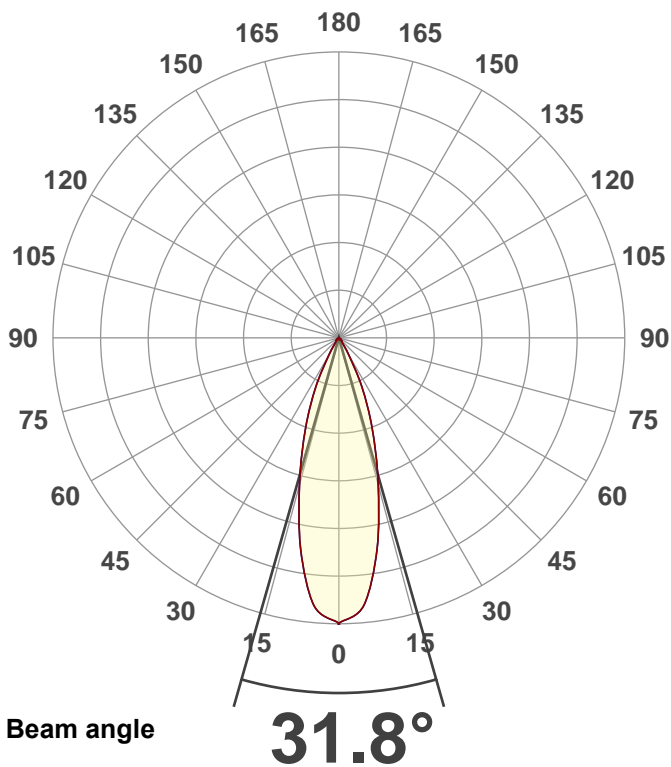


Product name:

**A25-4-RH-SW-27LM-30K-80-WHS30-SMT-CAS-WH**

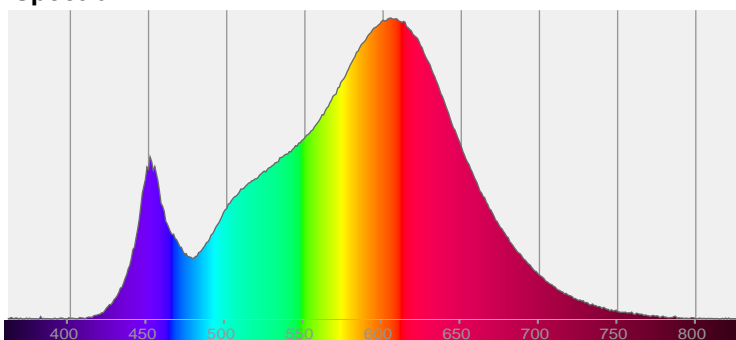
Date and time:

**2/20/2019 12:55:51 PM**

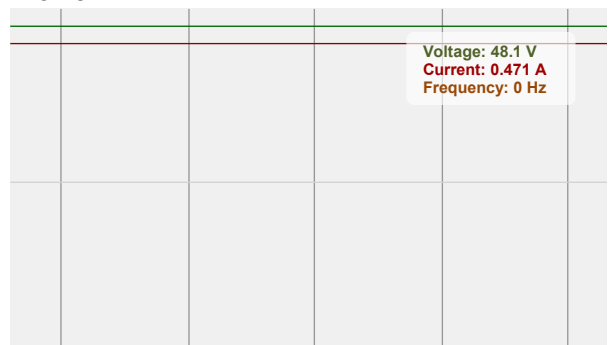


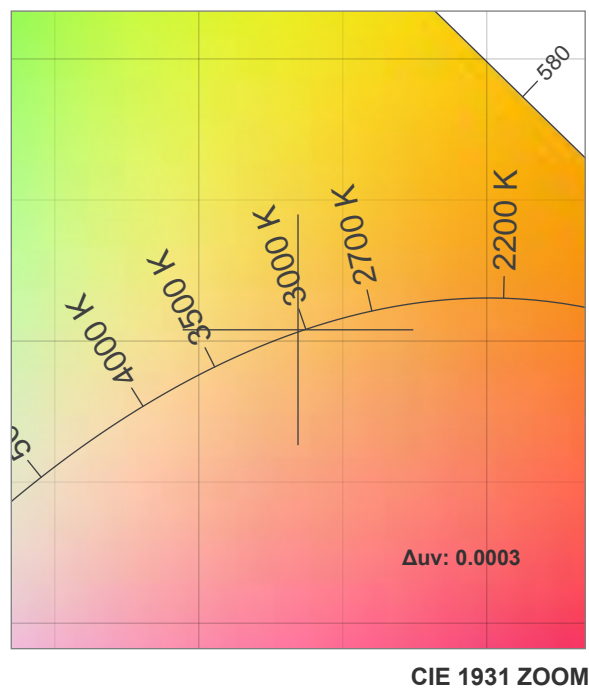
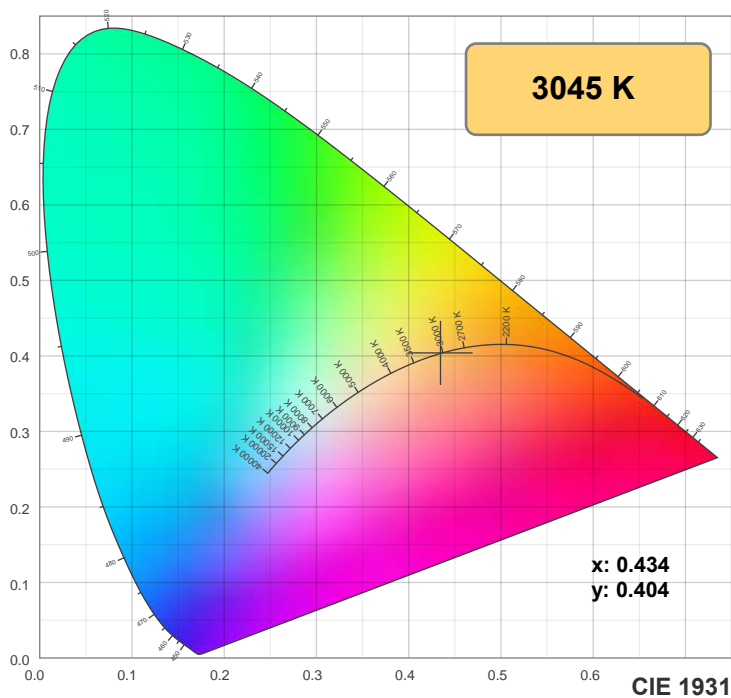
CIE 1931  
x: 0.434  
y: 0.404

Spectra

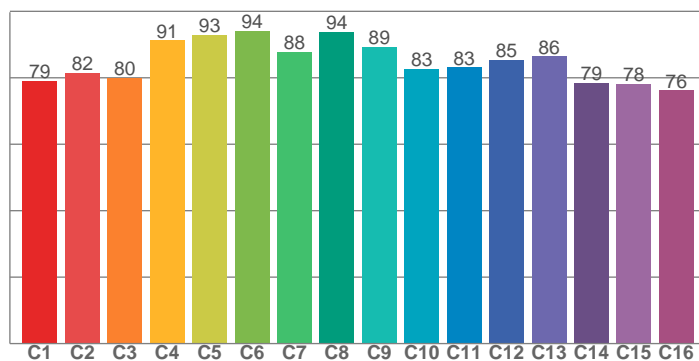


Power

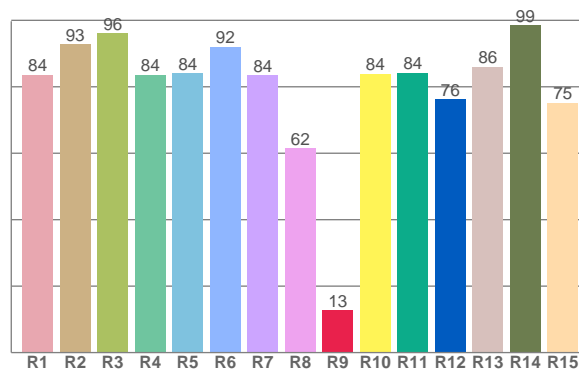




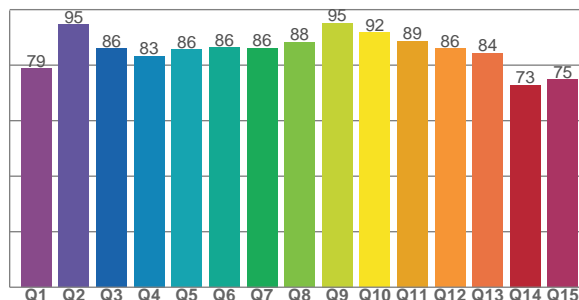
**TM30: 85.2**



**CRI: 84.7 (R1-R8)**



**CQS: 84.1**



**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
83.6	92.8	96.2	83.7	84.1	92.0	83.6	61.5	12.8	83.9	84.2	76.2	86.0	98.6	75.2

**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
79.1	81.5	80.0	91.2	92.8	94.1	87.9	93.8	89.2	82.7	83.1	85.4	86.4	78.5	78.2	76.3

**CQS Q values**

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
78.8	94.7	85.9	83.3	85.6	86.3	86.1	88.2	95.2	91.8	88.8	86.0	84.3	72.9	74.8

## 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
3045 K	84.7	12.8	85.2	95.8	84.1	0.434	0.404	0.249	0.347	0.0003

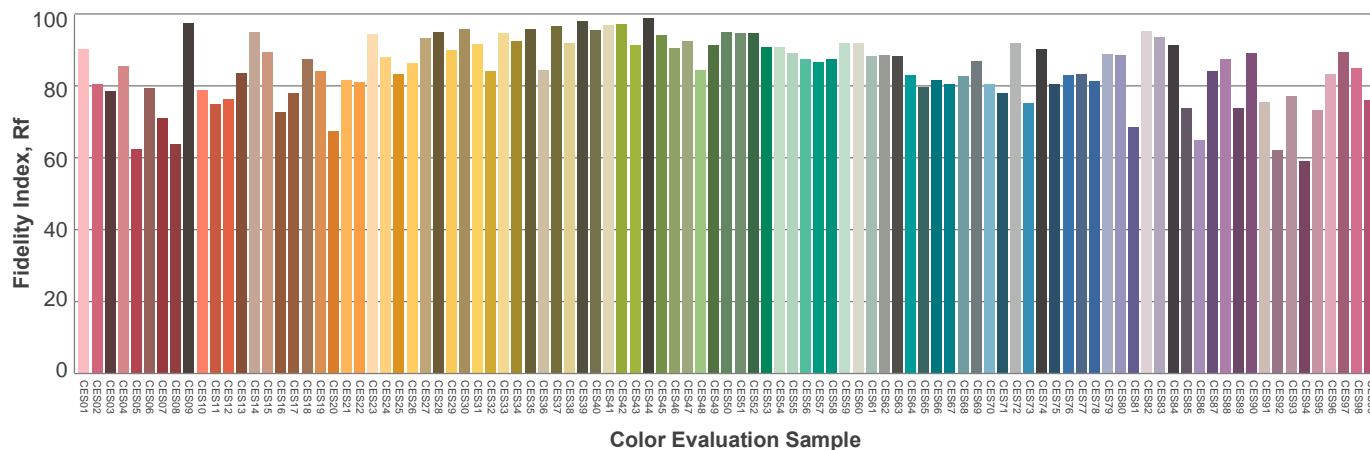
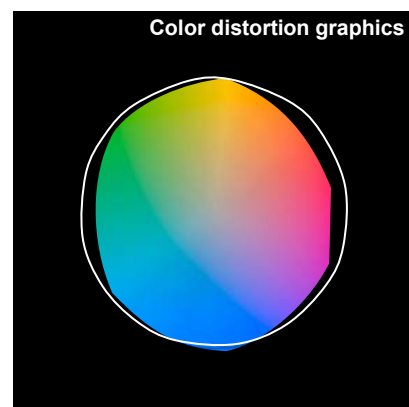
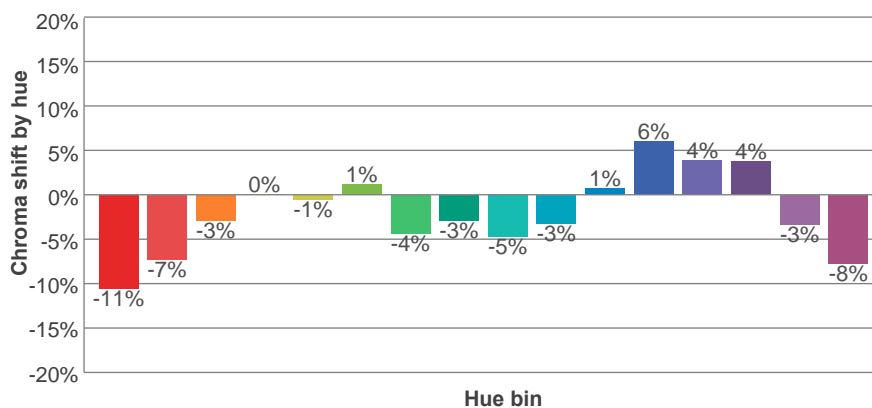
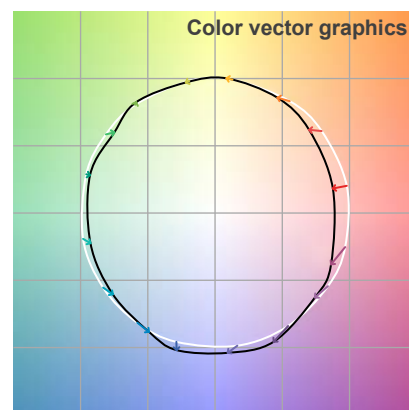
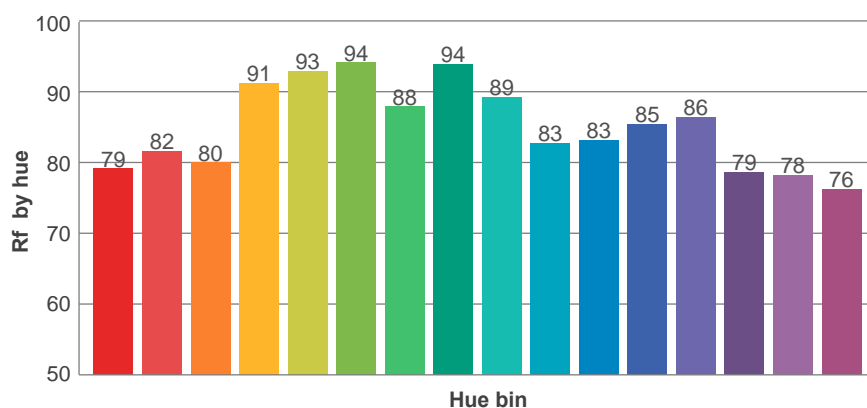
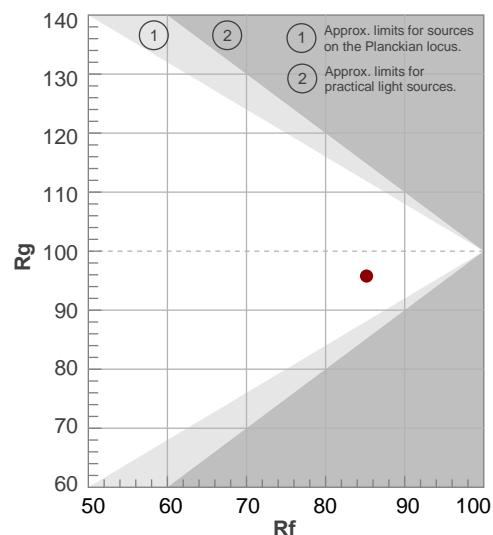
**Rf 85.2**

Fidelity index Rf

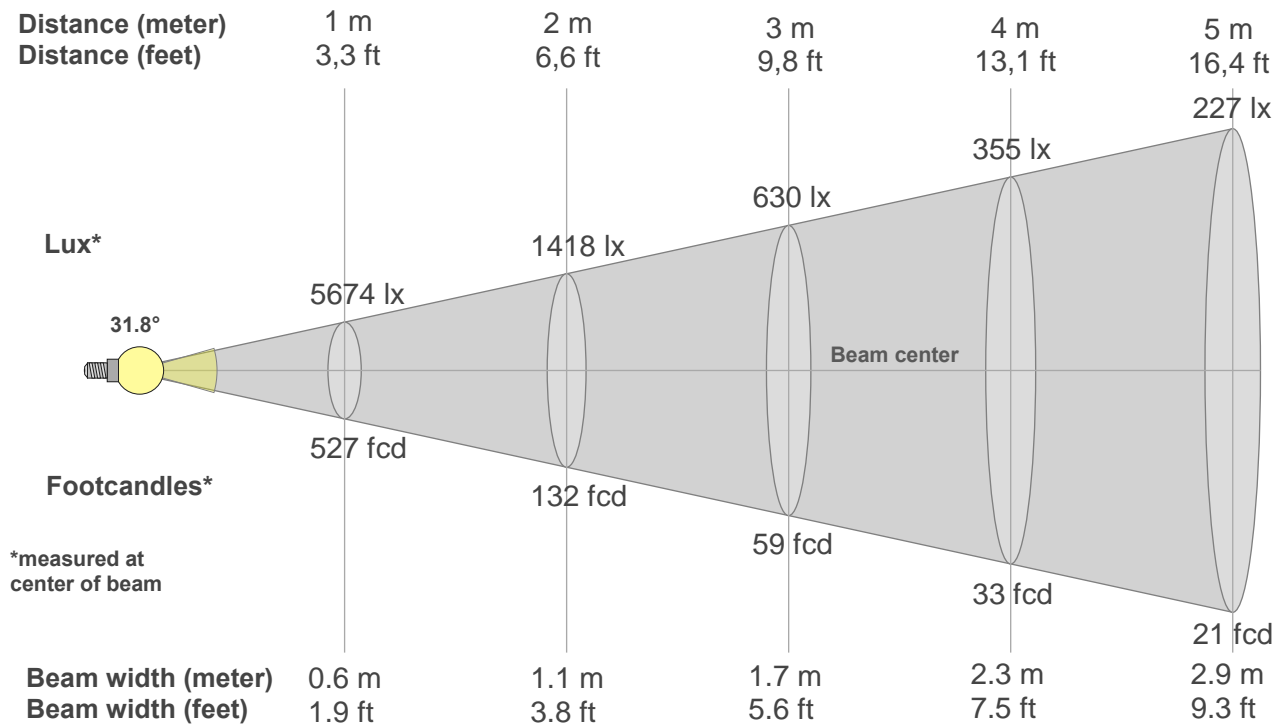
**Rg 95.8**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	79	-11%	0%
2	82	-7%	6%
3	80	-3%	9%
4	91	0%	5%
5	93	-1%	3%
6	94	1%	-2%
7	88	-4%	-5%
8	94	-3%	0%
9	89	-5%	4%
10	83	-3%	8%
11	83	1%	11%
12	85	6%	1%
13	86	4%	-8%
14	79	4%	-15%
15	78	-3%	-12%
16	76	-8%	-15%



## 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
5674lx	1418lx	630lx	355lx	227lx	158lx	116lx	89lx	70lx	57lx	47lx	39lx	34lx	29lx	25lx	22lx	20lx	18lx	16lx	14lx
527.1fcd	131.8fcd	58.6fcd	32.9fcd	21.1fcd	14.6fcd	10.8fcd	8.2fcd	6.5fcd	5.3fcd	4.4fcd	3.7fcd	3.1fcd	2.7fcd	2.3fcd	2.1fcd	1.8fcd	1.6fcd	1.5fcd	1.3fcd

### 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°
5674	5573	5448	5220	4780	4340	3828	3304	2817	2393	1968	1619	1278	964	685	406	289	181	117	100
100%	98%	96%	92%	84%	76%	67%	58%	50%	42%	35%	29%	23%	17%	12%	7%	5%	3%	2%	2%

### 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°
5674	5573	5448	5220	4780	4340	3828	3304	2817	2393	1968	1619	1278	964	685	406	289	181	117	100
100%	98%	96%	92%	84%	76%	67%	58%	50%	42%	35%	29%	23%	17%	12%	7%	5%	3%	2%	2%

### 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°
5674	5573	5448	5220	4780	4340	3828	3304	2817	2393	1968	1619	1278	964	685	406	289	181	117	100
100%	98%	96%	92%	84%	76%	67%	58%	50%	42%	35%	29%	23%	17%	12%	7%	5%	3%	2%	2%

### 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°
5674	5573	5448	5220	4780	4340	3828	3304	2817	2393	1968	1619	1278	964	685	406	289	181	117	100
100%	98%	96%	92%	84%	76%	67%	58%	50%	42%	35%	29%	23%	17%	12%	7%	5%	3%	2%	2%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
31.8°	57.7°	69.5°	98.7%	95.0%