

Light efficiency:

80 Lumen/Watt

Light quality:

CRI: 84.4

Color temperature:

3052 K

Output: 1815 lm

Peak: 3589 cd

Power: 22.7 W

PF: 1.0

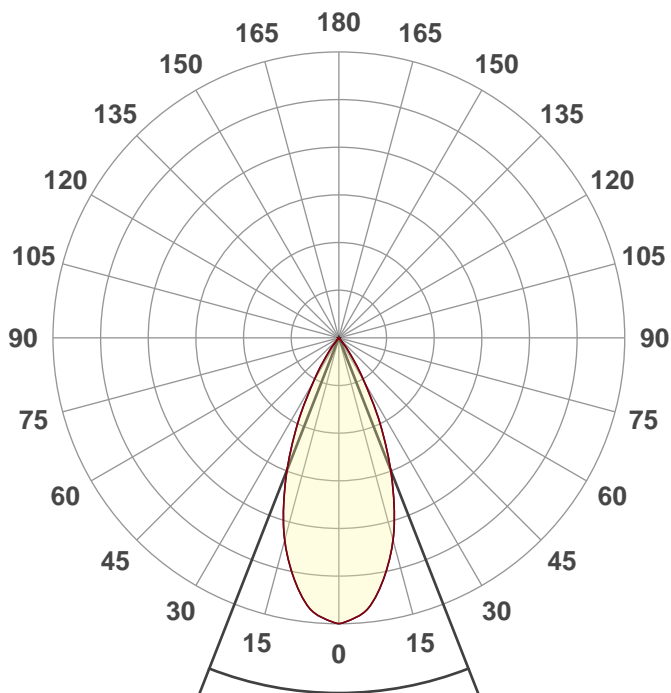


Product name:

**A25-4-RH-SW-27LM-30K-80-BKS40-SMT-CAS-WH**

Date and time:

**2/20/2019 1:00:56 PM**



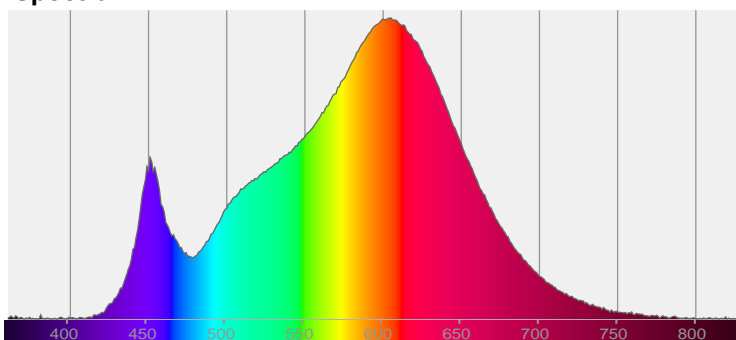
Beam angle

**42.8°**

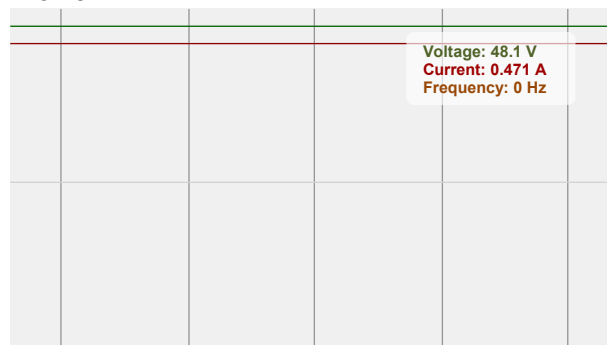


CIE 1931  
x: 0.434  
y: 0.404

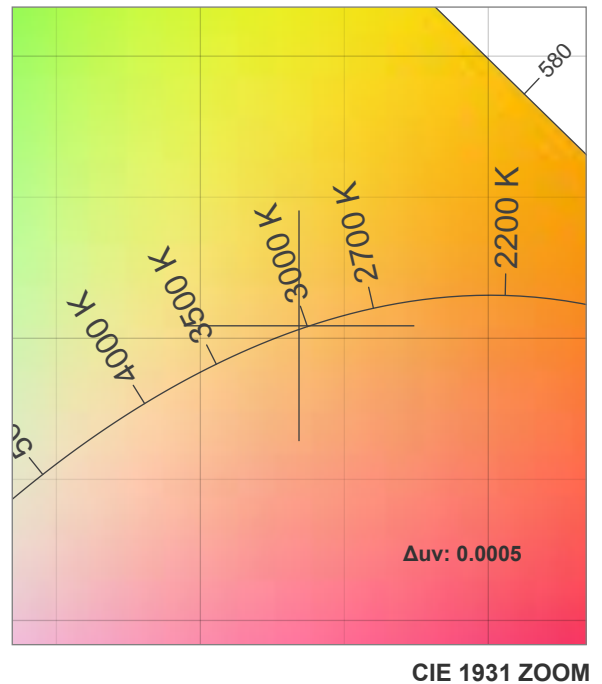
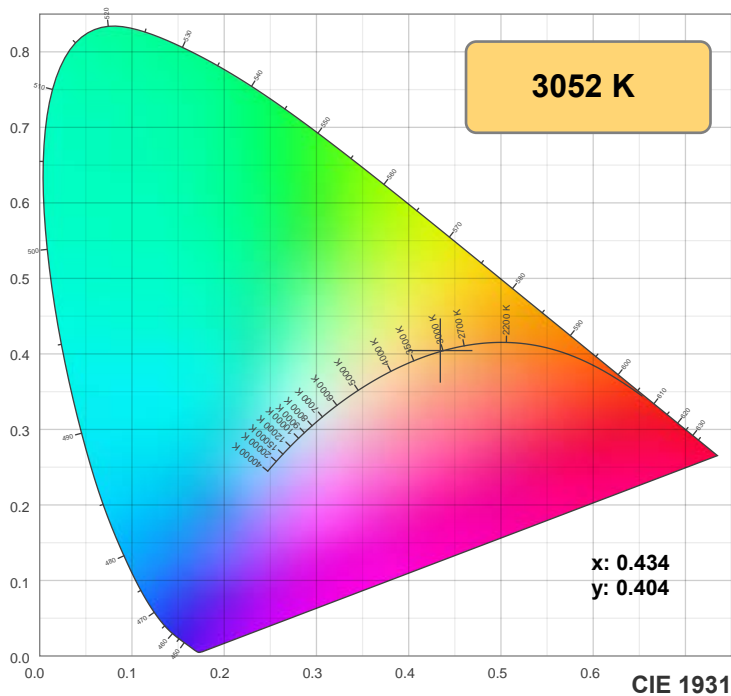
Spectra



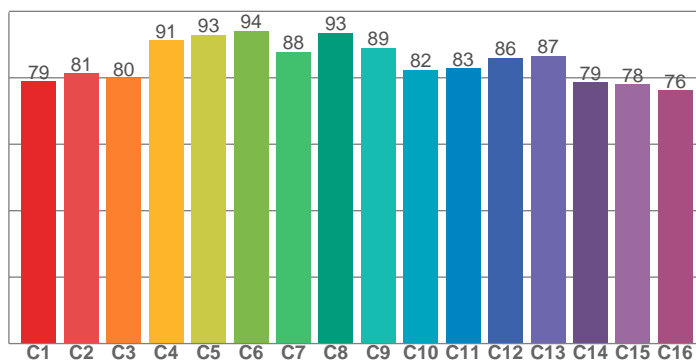
Power



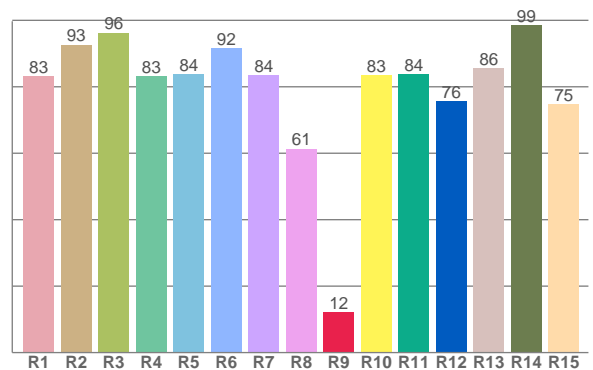
Voltage: 48.1 V  
Current: 0.471 A  
Frequency: 0 Hz



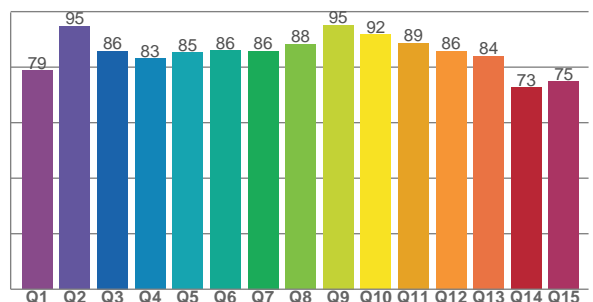
**TM30: 85.1**



**CRI: 84.4 (R1-R8)**



**CQS: 84.0**



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
83.2	92.6	96.2	83.3	83.7	91.7	83.6	61.3	12.2	83.4	83.7	75.7	85.6	98.6	74.8

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
78.9	81.4	79.8	91.2	92.9	94.2	87.7	93.5	88.9	82.3	82.9	86.0	86.6	78.6	78.1	76.2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
78.8	94.7	85.9	83.1	85.3	86.0	85.9	88.2	95.2	91.8	88.7	85.8	84.1	72.7	74.7

## 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
3052 K	84.4	12.2	85.1	95.7	84.0	0.434	0.404	0.249	0.347	0.0005

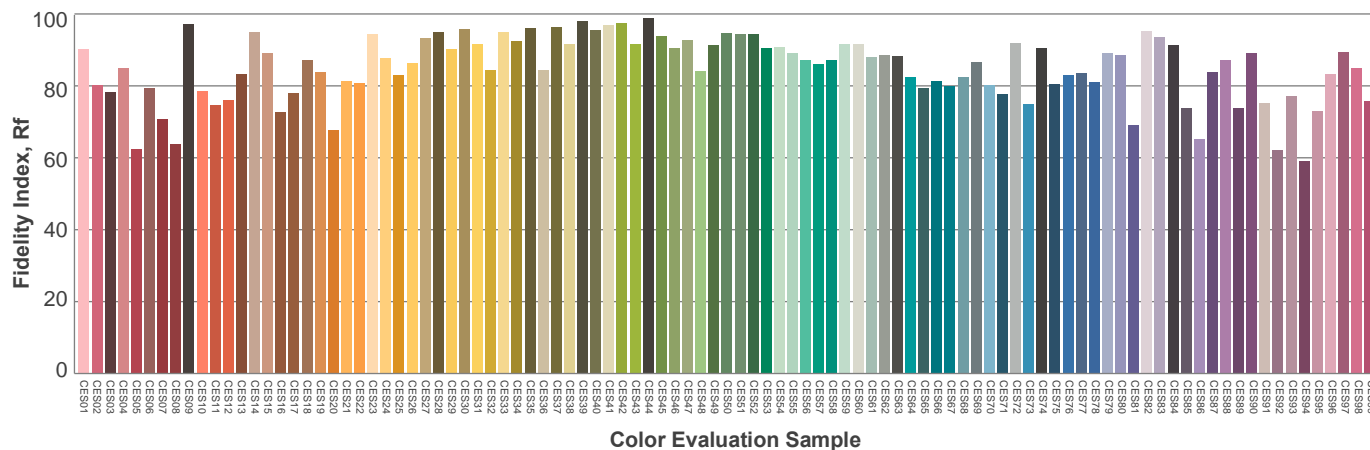
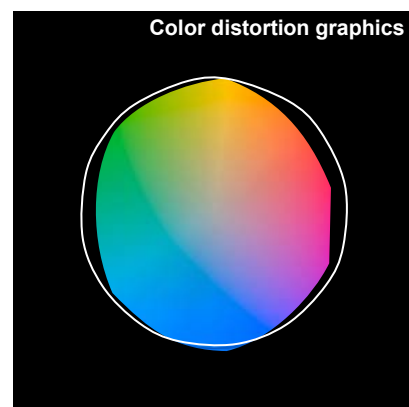
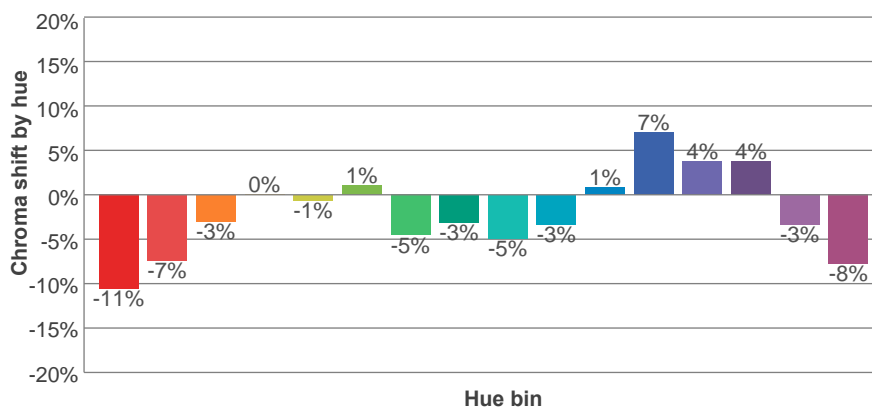
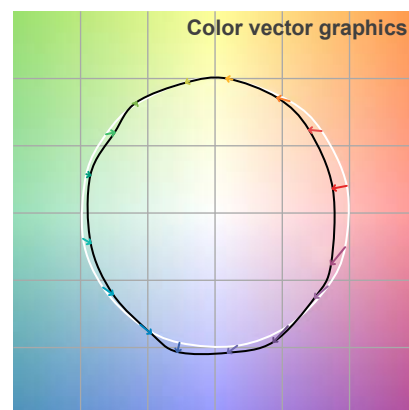
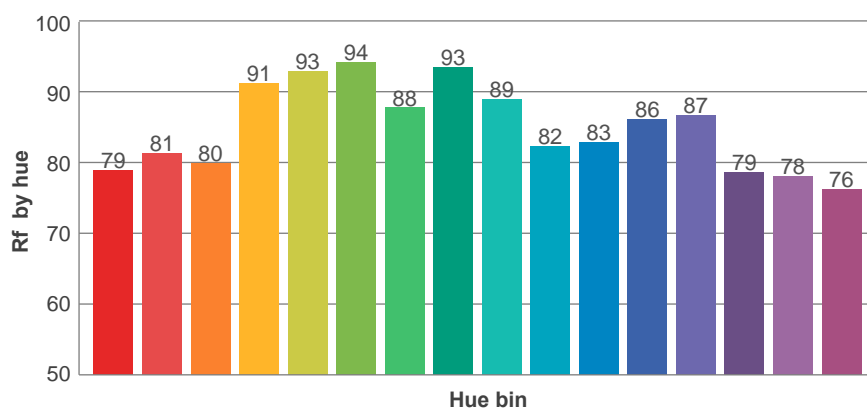
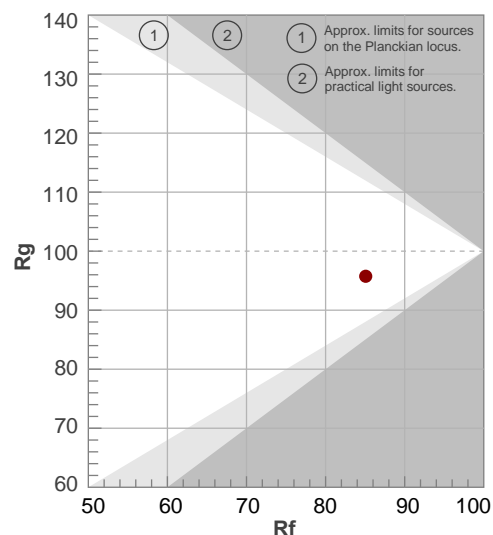
**Rf 85.1**

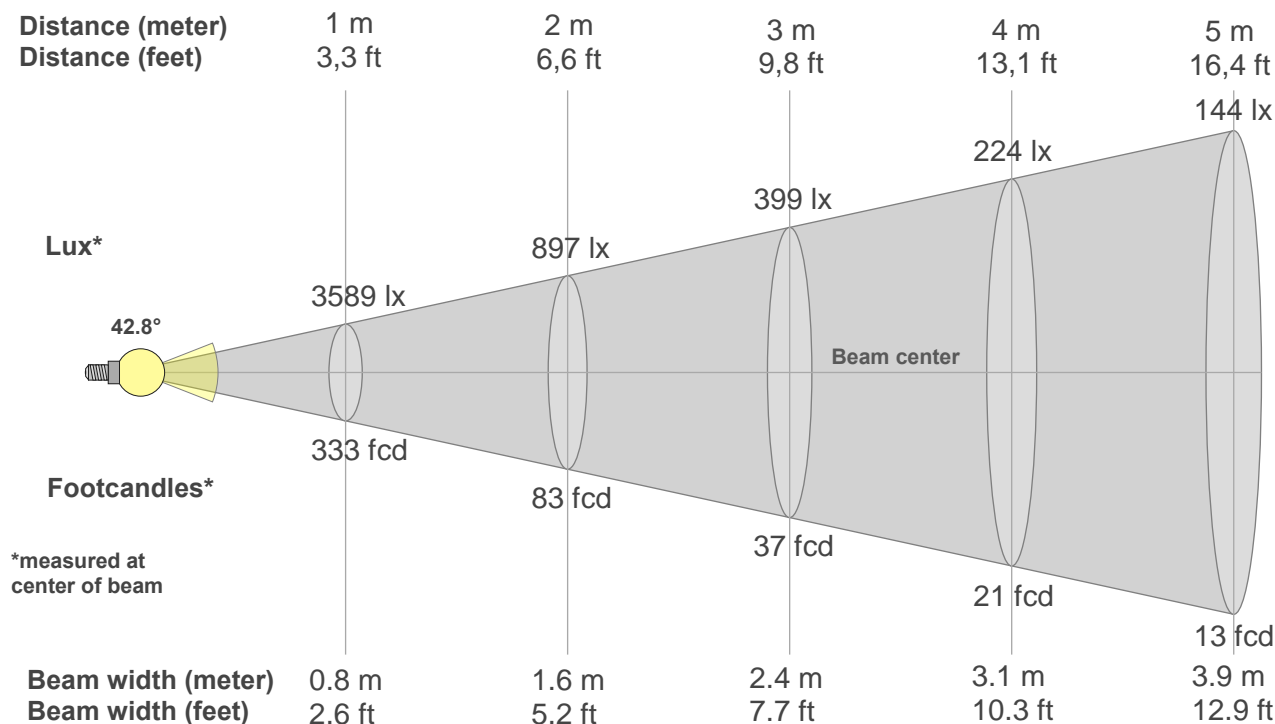
Fidelity index Rf

**Rg 95.7**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	79	-11%	0%
2	81	-7%	6%
3	80	-3%	9%
4	91	0%	5%
5	93	-1%	3%
6	94	1%	-2%
7	88	-5%	-5%
8	93	-3%	0%
9	89	-5%	4%
10	82	-3%	8%
11	83	1%	10%
12	86	7%	0%
13	87	4%	-8%
14	79	4%	-15%
15	78	-3%	-12%
16	76	-8%	-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
3589lx	897lx	399lx	224lx	144lx	100lx	73lx	56lx	44lx	36lx	30lx	25lx	21lx	18lx	16lx	14lx	12lx	11lx	10lx	9lx
333.4fcd	83.4fcd	37fcd	20.8fcd	13.3fcd	9.3fcd	6.8fcd	5.2fcd	4.1fcd	3.3fcd	2.8fcd	2.3fcd	2fcd	1.7fcd	1.5fcd	1.3fcd	1.2fcd	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°
3589	3567	3505	3442	3290	3130	2946	2736	2524	2255	1985	1711	1434	1161	913	664	485	334	203	125
100%	99%	98%	96%	92%	87%	82%	76%	70%	63%	55%	48%	40%	32%	25%	18%	14%	9%	6%	3%

### 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°
3589	3567	3505	3442	3290	3130	2946	2736	2524	2255	1985	1711	1434	1161	913	664	485	334	203	125
100%	99%	98%	96%	92%	87%	82%	76%	70%	63%	55%	48%	40%	32%	25%	18%	14%	9%	6%	3%

### 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°
3589	3567	3505	3442	3290	3130	2946	2736	2524	2255	1985	1711	1434	1161	913	664	485	334	203	125
100%	99%	98%	96%	92%	87%	82%	76%	70%	63%	55%	48%	40%	32%	25%	18%	14%	9%	6%	3%

### 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°
3589	3567	3505	3442	3290	3130	2946	2736	2524	2255	1985	1711	1434	1161	913	664	485	334	203	125
100%	99%	98%	96%	92%	87%	82%	76%	70%	63%	55%	48%	40%	32%	25%	18%	14%	9%	6%	3%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
42.8°	67.3°	77.8°	99.7%	99.6%