

Light efficiency:

89 Lumen/Watt

Light quality:

CRI: 84.8

Color temperature:

3032 K

Output: 1390 lm

Peak: 4437 cd

Power: 15.7 W

PF: 1.0

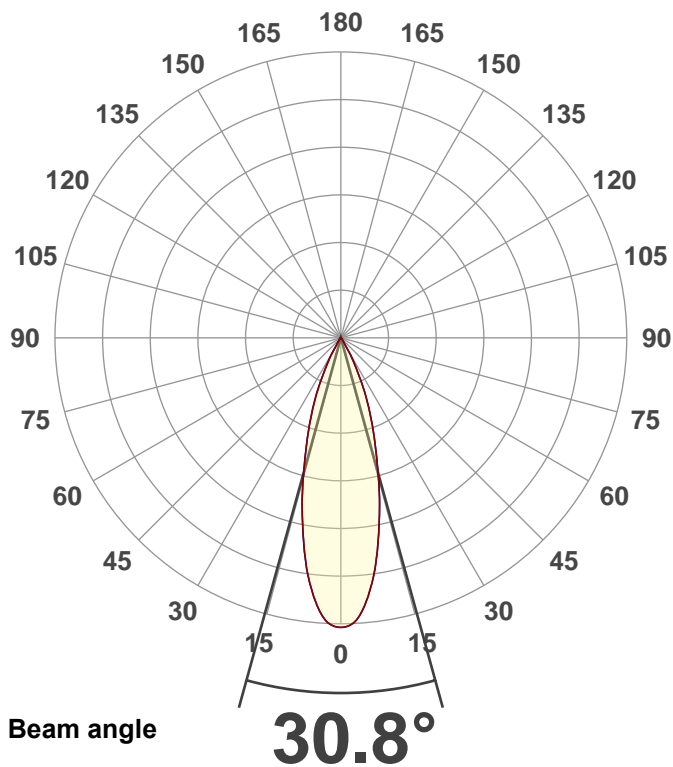


Product name:

**A25-4-RH-SW-20LM-30K-80-BKS30-SMT-CAS-WH**

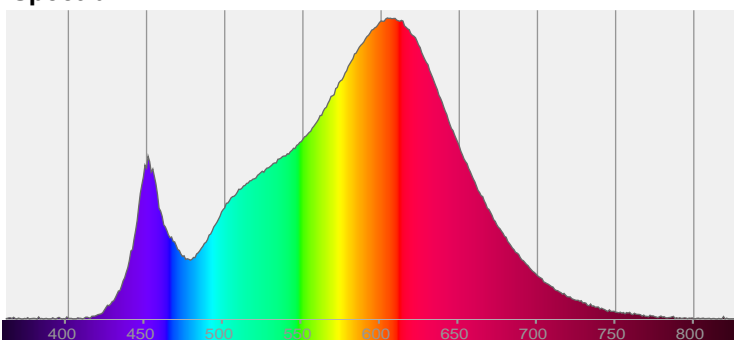
Date and time:

**2/20/2019 1:52:13 PM**

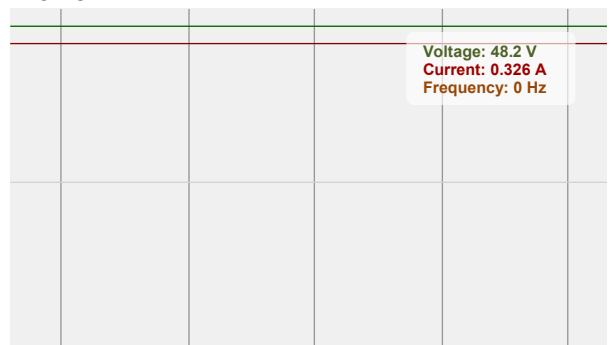


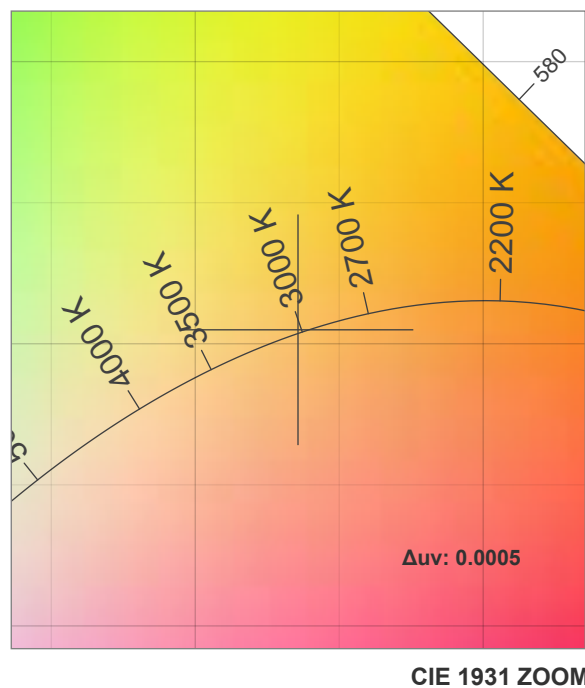
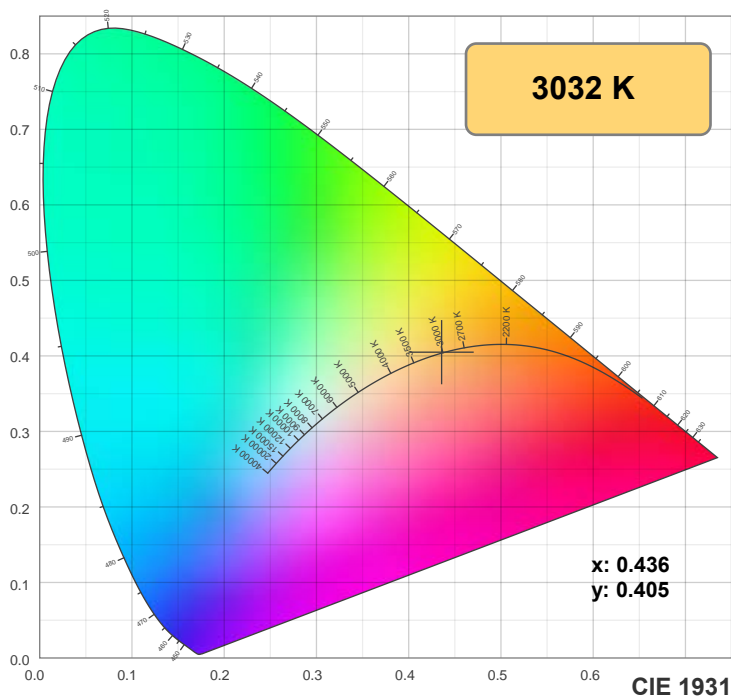
CIE 1931  
x: 0.436  
y: 0.405

Spectra

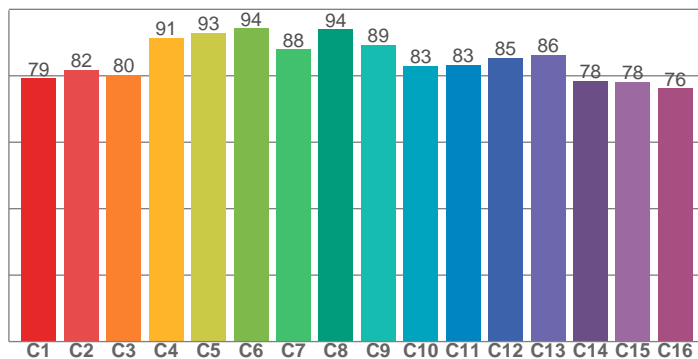


Power

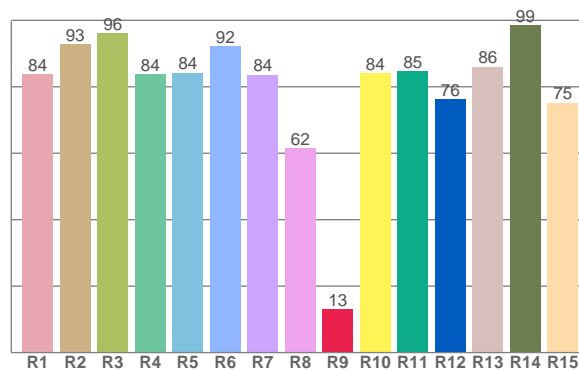




**TM30: 85.3**



**CRI: 84.8 (R1-R8)**



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
83.7	92.9	96.2	83.9	84.2	92.2	83.6	61.6	12.9	84.1	84.6	76.3	86.1	98.5	75.2

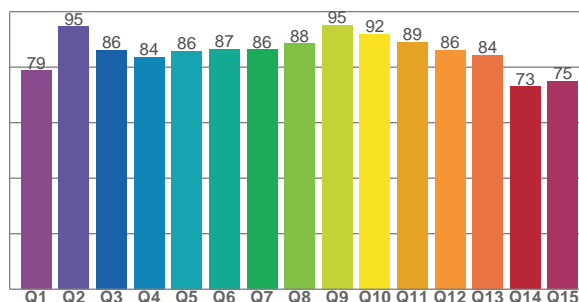
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
79.2	81.7	80.3	91.5	92.9	94.2	88.0	94.0	89.3	82.9	83.3	85.4	86.3	78.4	78.2	76.2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
78.7	94.6	86.2	83.7	85.9	86.5	86.4	88.5	95.1	92.0	89.1	86.2	84.5	72.9	74.9

**CQS: 84.3**



## 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
3032 K	84.8	12.9	85.3	95.8	84.3	0.436	0.405	0.249	0.348	0.0005

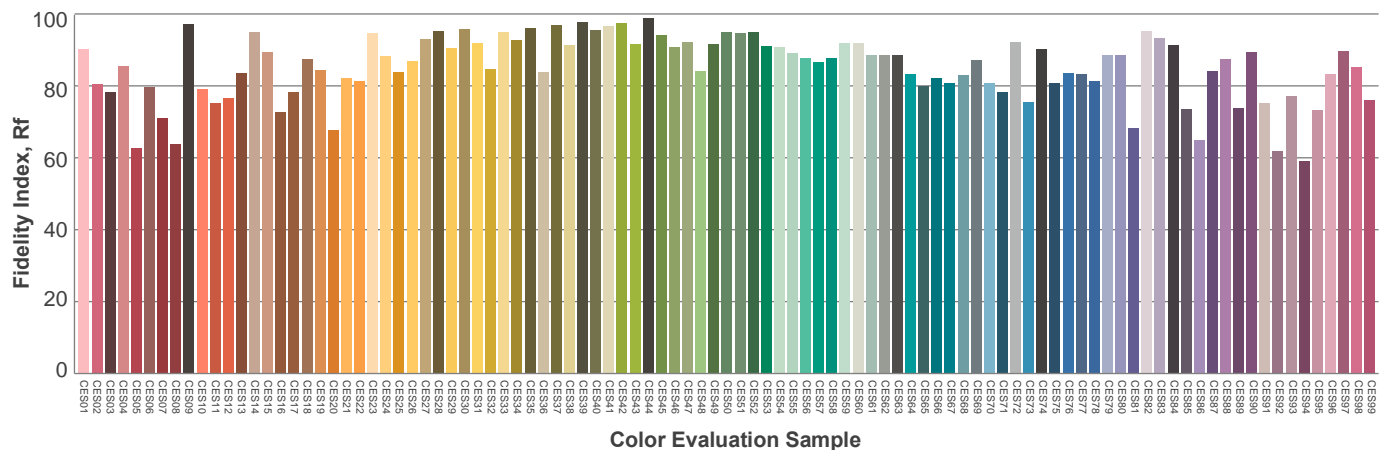
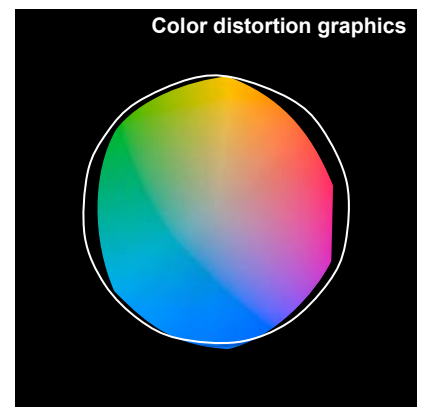
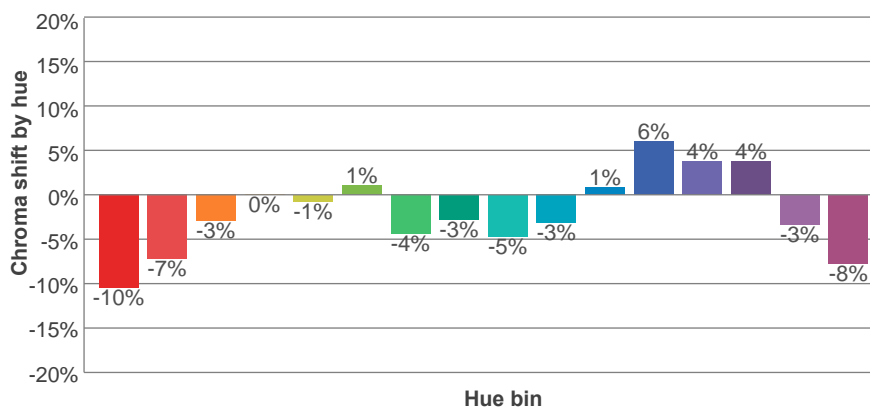
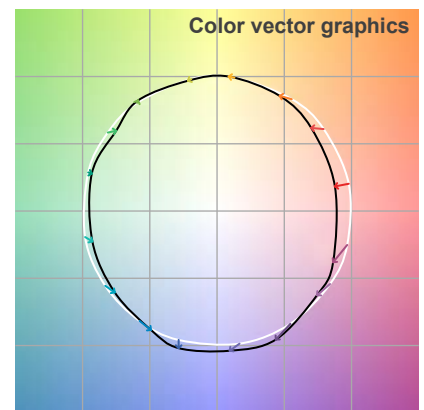
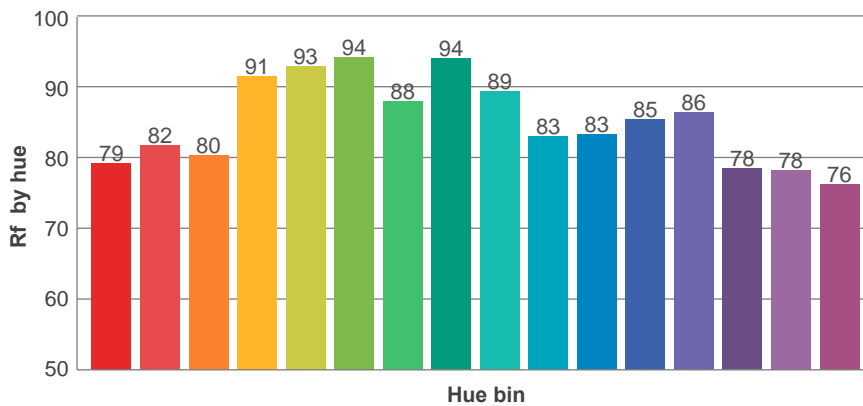
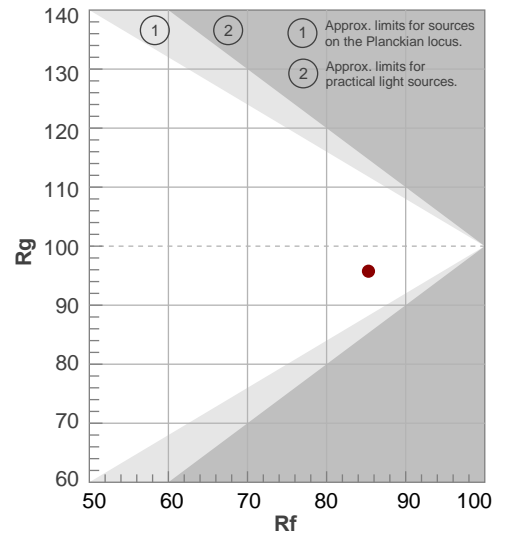
**Rf 85.3**

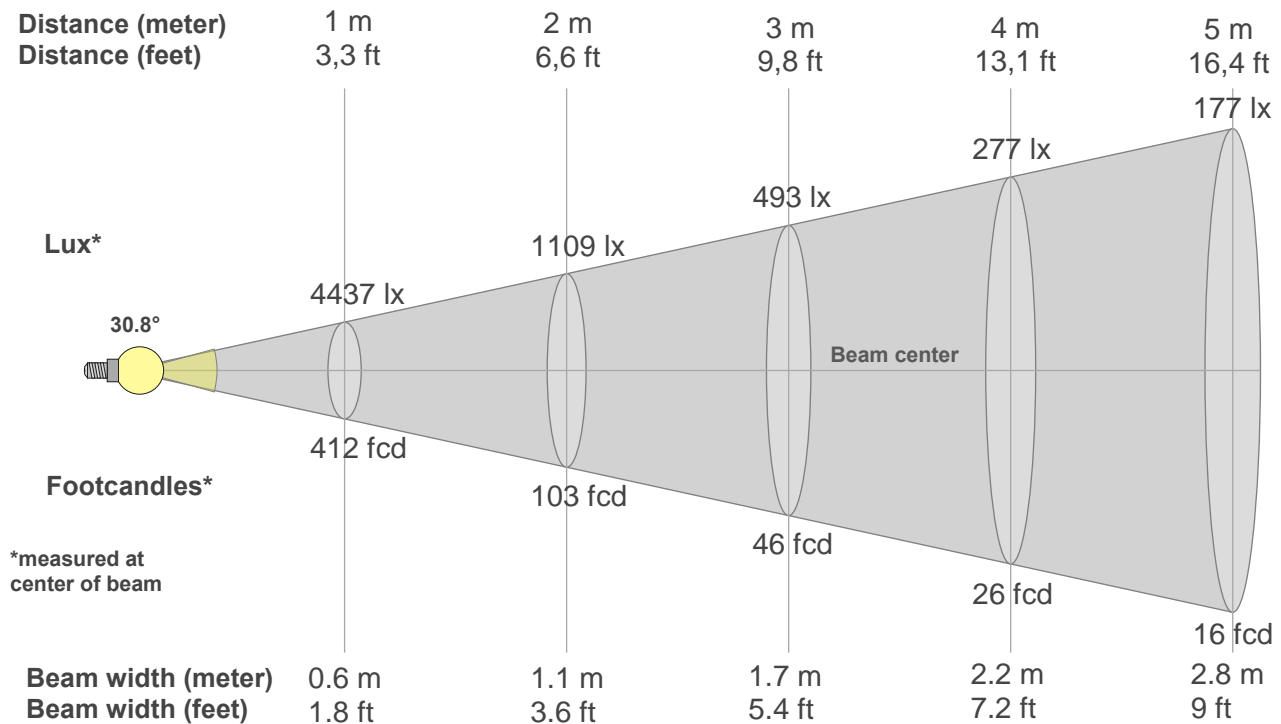
Fidelity index Rf

**Rg 95.8**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	79	-10%	0%
2	82	-7%	6%
3	80	-3%	9%
4	91	0%	4%
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	78	4%	-16%
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
4437lx	1109lx	493lx	277lx	177lx	123lx	91lx	69lx	55lx	44lx	37lx	31lx	26lx	23lx	20lx	17lx	15lx	14lx	12lx	11lx
412.2fcd	103fcd	45.8fcd	25.8fcd	16.5fcd	11.4fcd	8.4fcd	6.4fcd	5.1fcd	4.1fcd	3.4fcd	2.9fcd	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°
4437	4437	4277	4003	3718	3305	2892	2493	2104	1722	1437	1152	893	654	420	282	144	64	35	8
100%	100%	96%	90%	84%	74%	65%	56%	47%	39%	32%	26%	20%	15%	9%	6%	3%	1%	1%	0%

### 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°
4437	4437	4277	4003	3718	3305	2892	2493	2104	1722	1437	1152	893	654	420	282	144	64	35	8
100%	100%	96%	90%	84%	74%	65%	56%	47%	39%	32%	26%	20%	15%	9%	6%	3%	1%	1%	0%

### 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°
4437	4437	4277	4003	3718	3305	2892	2493	2104	1722	1437	1152	893	654	420	282	144	64	35	8
100%	100%	96%	90%	84%	74%	65%	56%	47%	39%	32%	26%	20%	15%	9%	6%	3%	1%	1%	0%

### 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°
4437	4437	4277	4003	3718	3305	2892	2493	2104	1722	1437	1152	893	654	420	282	144	64	35	8
100%	100%	96%	90%	84%	74%	65%	56%	47%	39%	32%	26%	20%	15%	9%	6%	3%	1%	1%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
30.8°	55.5°	64.9°	99.7%	99.6%