

Light efficiency:

90 Lumen/Watt

Light quality:

CRI: 84.4

Color temperature:

3049 K

Output: 2044 lm

Peak: 3436 cd

Power: 22.7 W

PF: 1.0

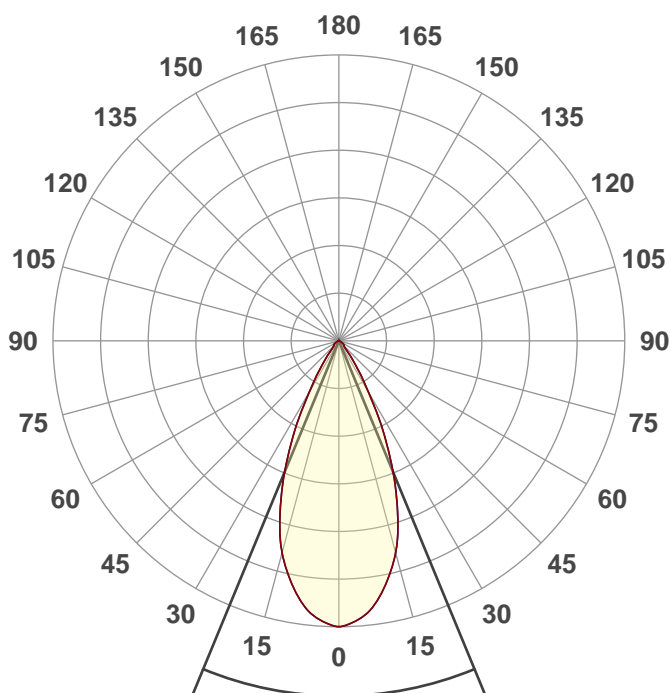


Product name:

**A25-4-RH-SW-27LM-30K-80-WHS45-SMT-CAS-WH**

Date and time:

**2/20/2019 1:14:21 PM**



Beam angle

**44.9°**

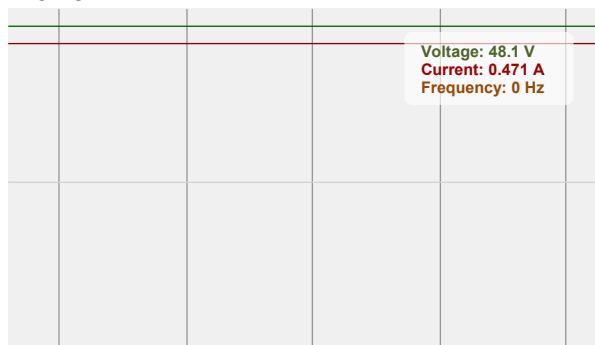


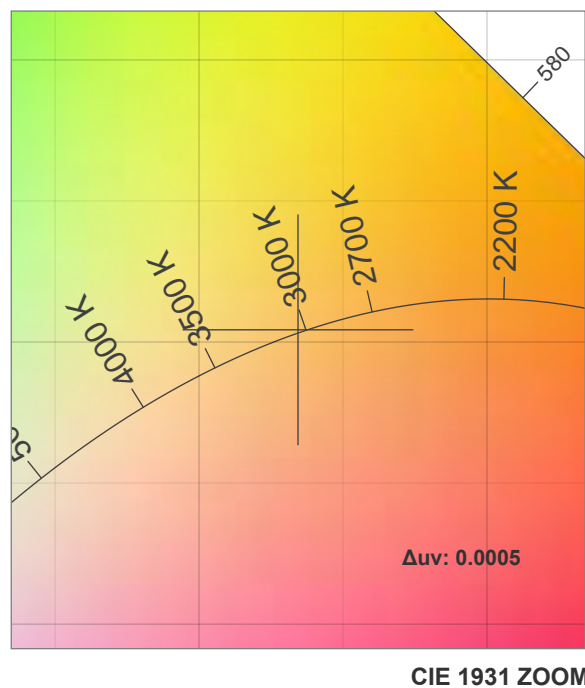
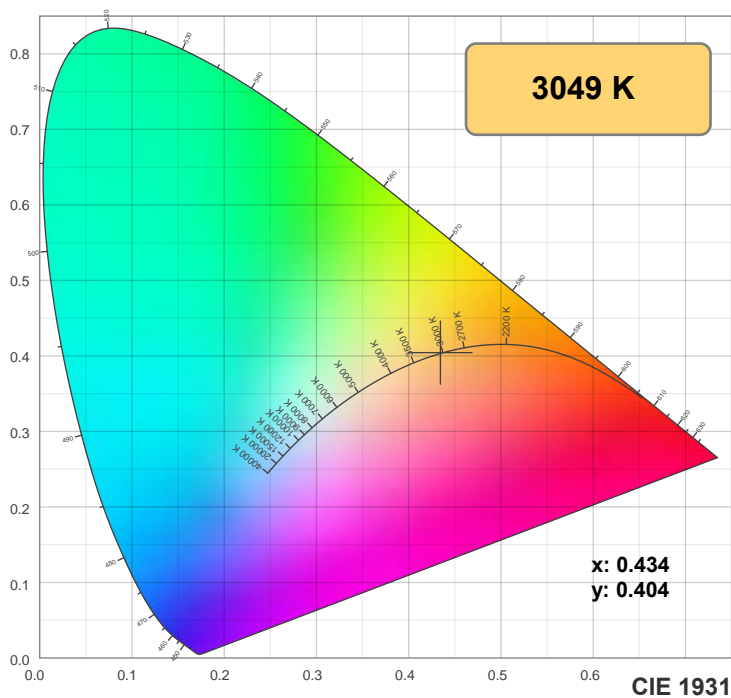
CIE 1931  
x: 0.434  
y: 0.404

Spectra

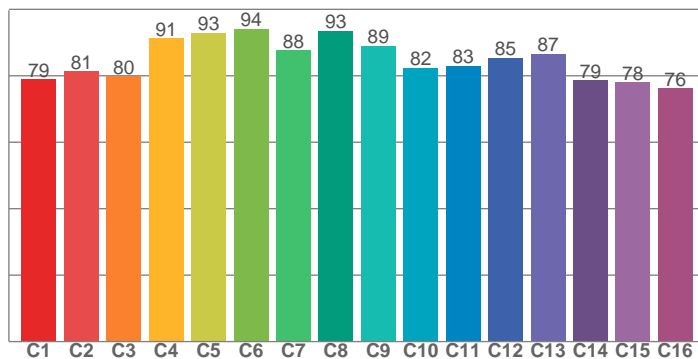


Power

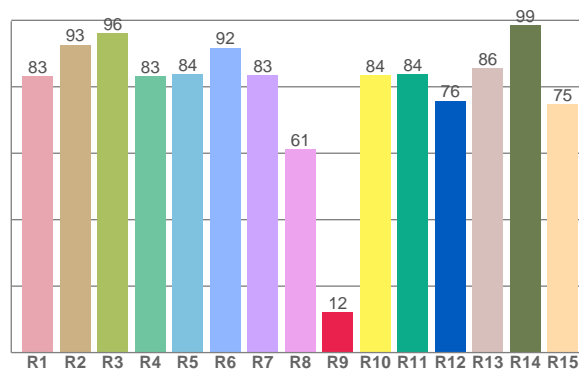




**TM30: 85.1**



**CRI: 84.4 (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
83.2	92.6	96.2	83.3	83.7	91.7	83.5	61.3	12.2	83.5	83.7	75.8	85.7	98.5	74.8

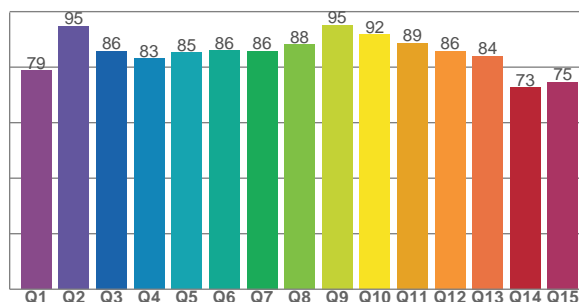
**TM30 C values, 16 binned values out of total of 99 C values**

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
78.9	81.3	79.8	91.2	92.9	94.1	87.7	93.5	89.0	82.3	82.9	85.4	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
78.7	94.7	85.9	83.1	85.3	86.0	85.9	88.2	95.1	91.8	88.6	85.8	84.1	72.6	74.7

**CQS: 84.0**



## 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
3049 K	84.4	12.2	85.1	95.6	84.0	0.434	0.404	0.249	0.347	0.0005

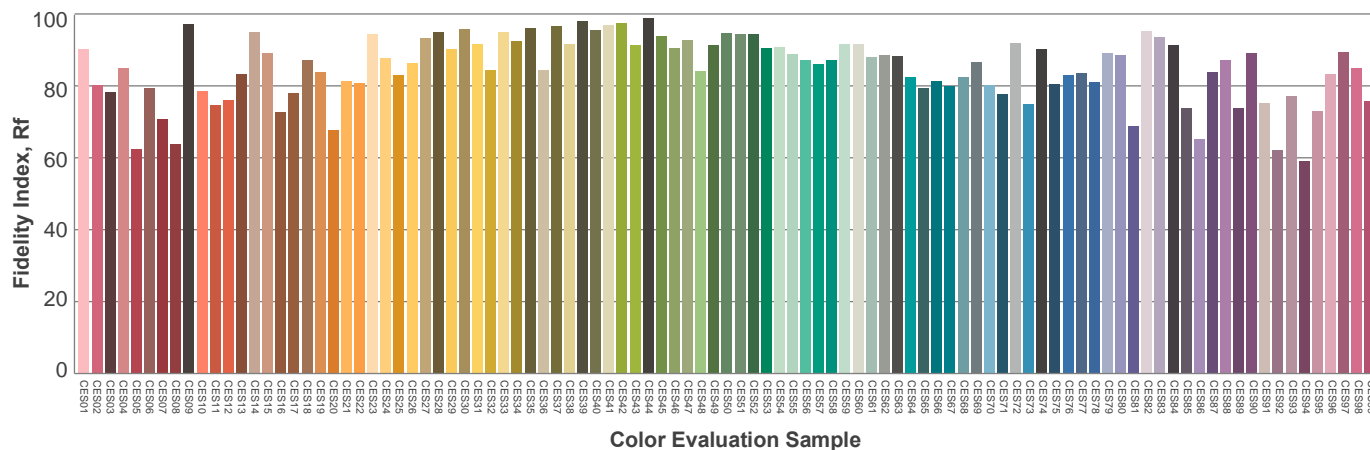
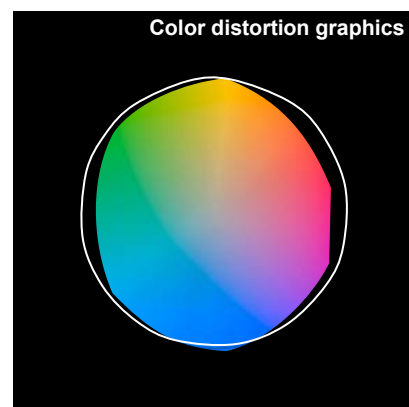
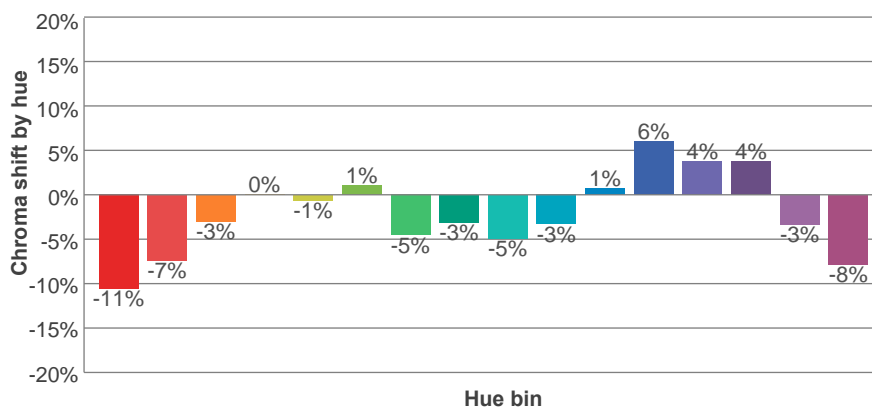
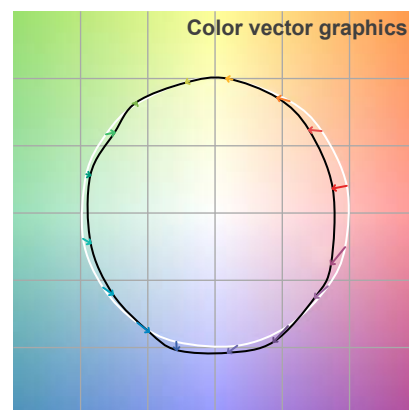
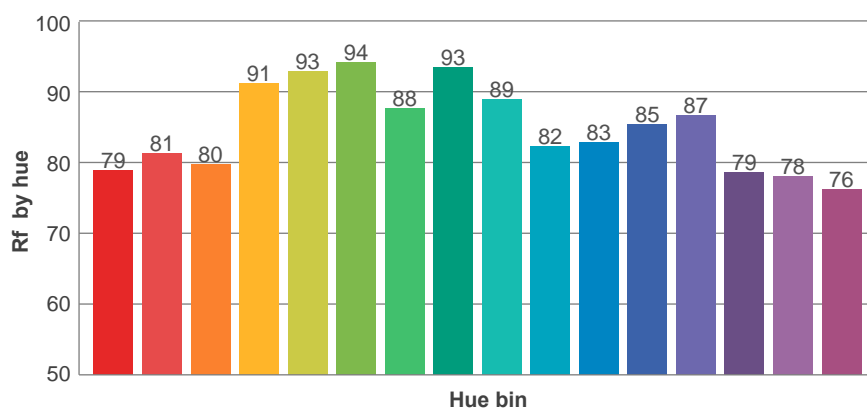
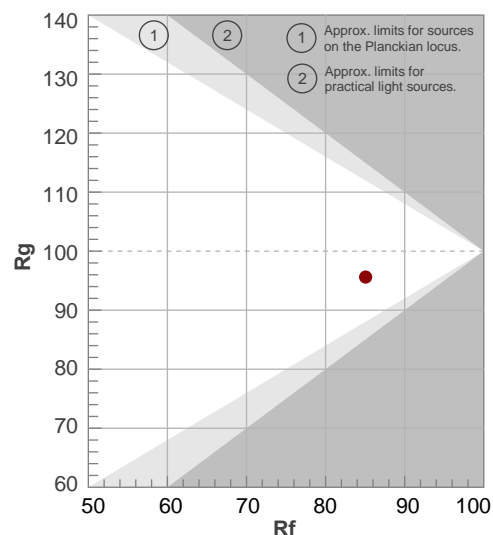
**Rf 85.1**

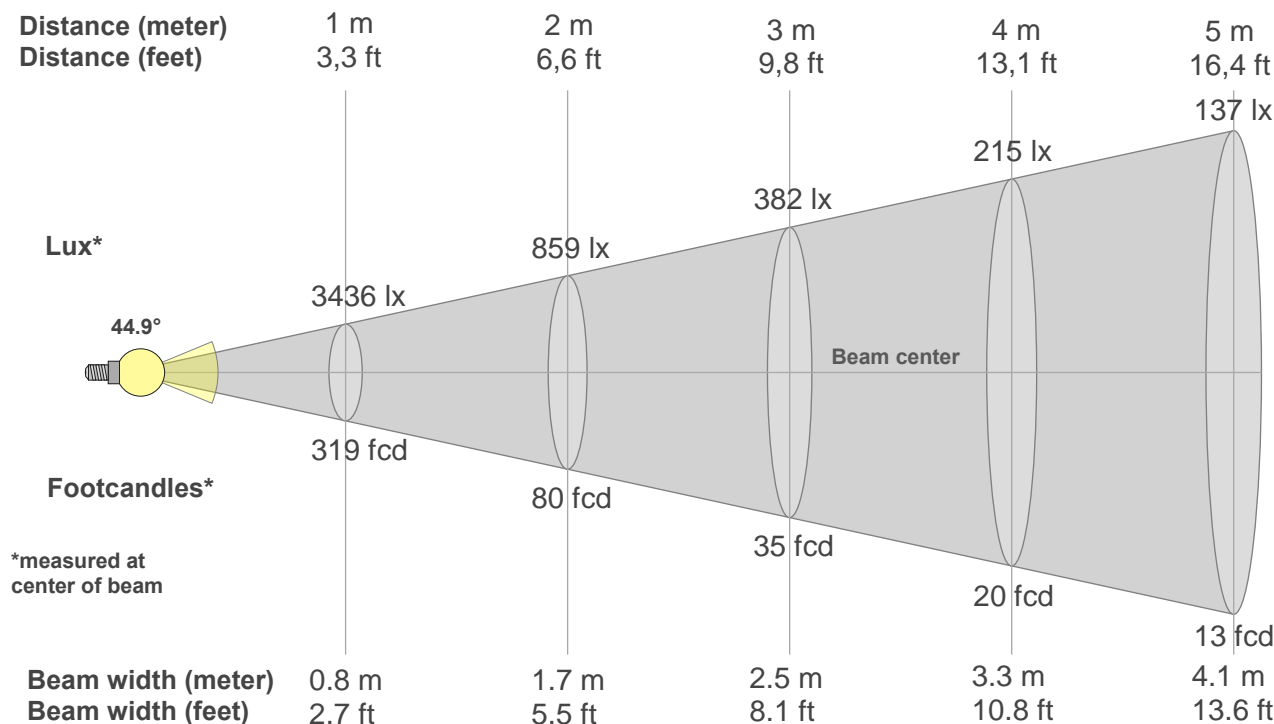
Fidelity index Rf

**Rg 95.6**

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%	11%
12	85	6%	1%
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
3436lx	859lx	382lx	215lx	137lx	95lx	70lx	54lx	42lx	34lx	28lx	24lx	20lx	18lx	15lx	13lx	12lx	11lx	10lx	9lx
319.2fcd	79.8fcd	35.5fcd	20fcd	12.8fcd	8.9fcd	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°
3436	3425	3362	3300	3186	3051	2905	2724	2544	2301	2043	1780	1507	1234	988	745	550	418	286	215
100%	100%	98%	96%	93%	89%	85%	79%	74%	67%	59%	52%	44%	36%	29%	22%	16%	12%	8%	6%

**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°
3436	3425	3362	3300	3186	3051	2905	2724	2544	2301	2043	1780	1507	1234	988	745	550	418	286	215
100%	100%	98%	96%	93%	89%	85%	79%	74%	67%	59%	52%	44%	36%	29%	22%	16%	12%	8%	6%

**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°
3436	3425	3362	3300	3186	3051	2905	2724	2544	2301	2043	1780	1507	1234	988	745	550	418	286	215
100%	100%	98%	96%	93%	89%	85%	79%	74%	67%	59%	52%	44%	36%	29%	22%	16%	12%	8%	6%

**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°
3436	3425	3362	3300	3186	3051	2905	2724	2544	2301	2043	1780	1507	1234	988	745	550	418	286	215
100%	100%	98%	96%	93%	89%	85%	79%	74%	67%	59%	52%	44%	36%	29%	22%	16%	12%	8%	6%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44.9°	70.3°	93.7°	98.2%	93.8%