

Light efficiency:

**75 Lumen/Watt**

Light quality:

**CRI: 82.7**

Color temperature:

**2924 K**

**Output: 2090 lm**

**Peak: 6918 cd**

**Power: 28.1 W**

**PF: 1.0**

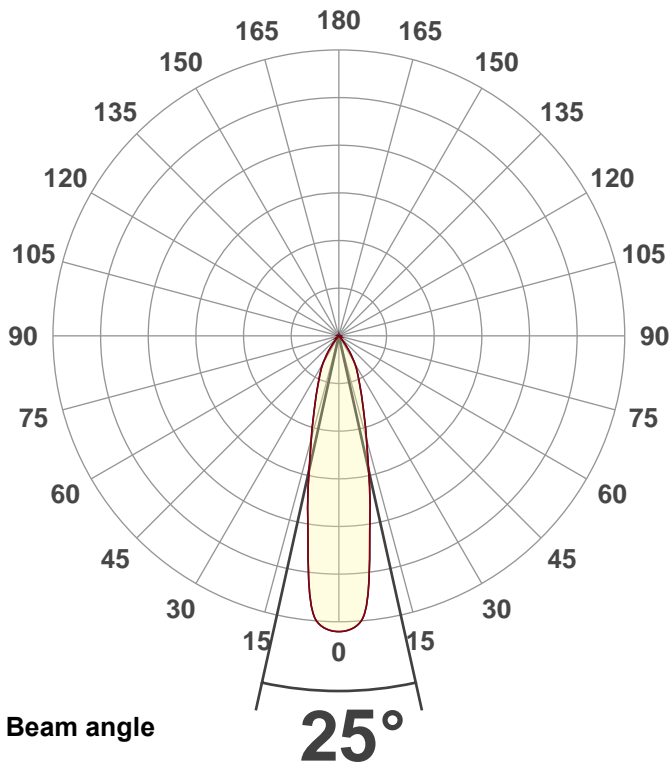


Product name:

**608RA-4-XTM19-25LM-30K-83-S20-NL-120-ELV-BK-BK-S**

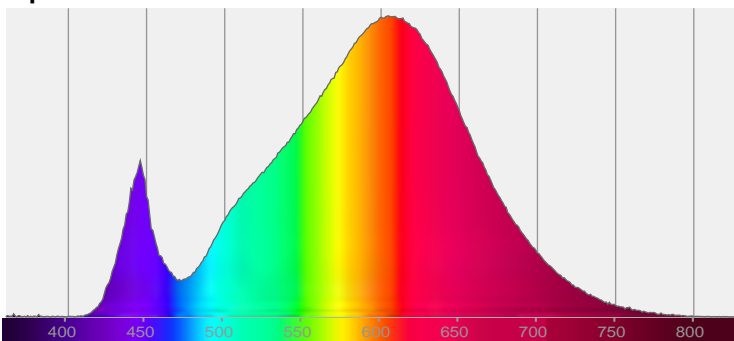
Date and time:

**1/25/2019 11:12:08 AM**

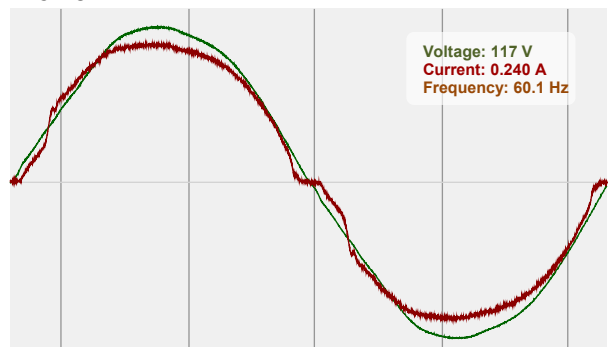


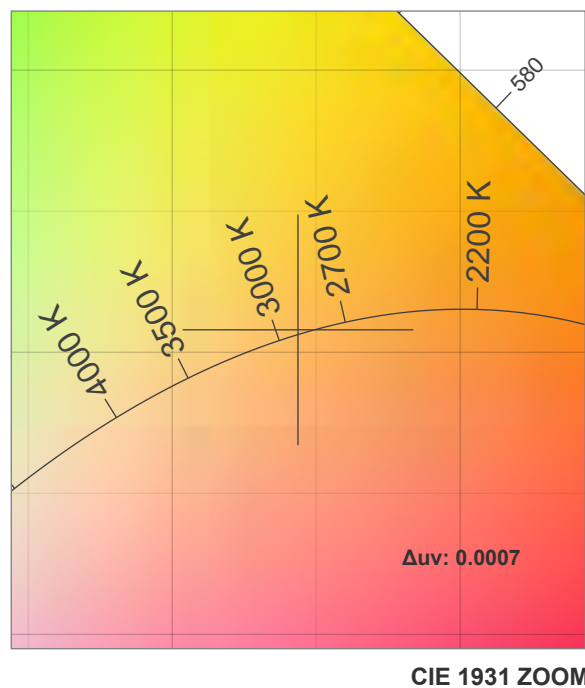
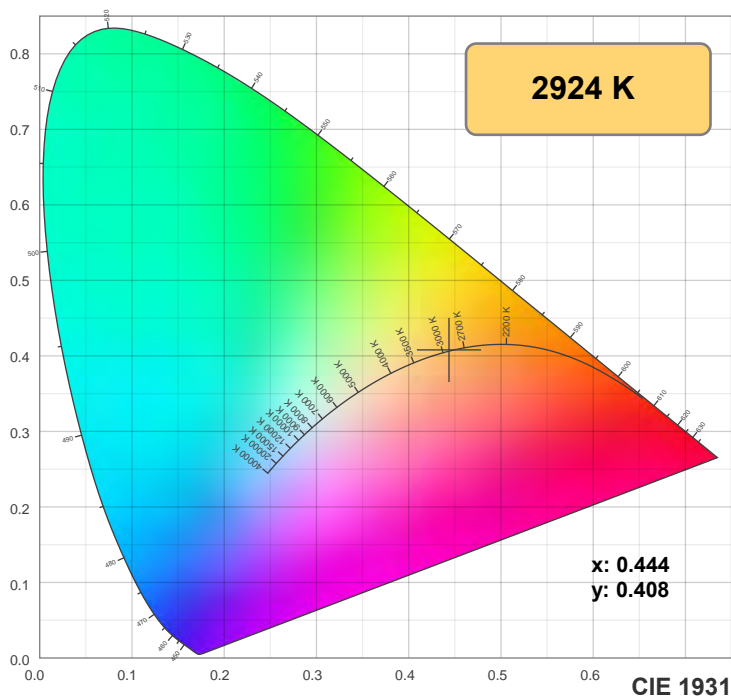
CIE 1931  
x: 0.444  
y: 0.408

Spectra

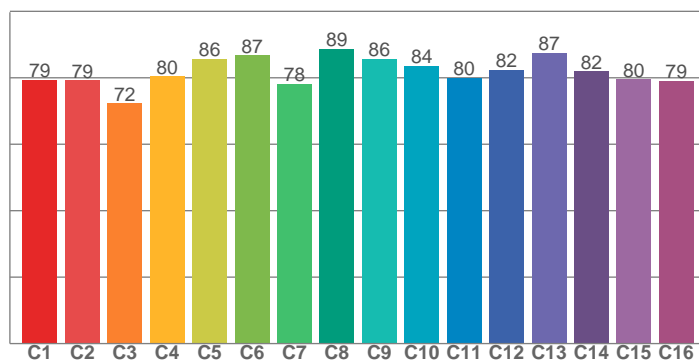


Power

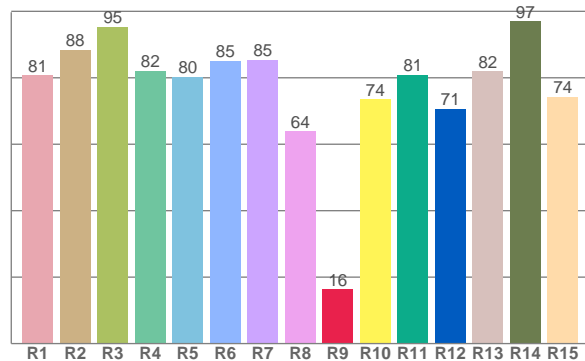




**TM30: 81.7**



**CRI: 82.7 (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
80.7	88.4	95.4	82.1	80.4	85.1	85.4	63.9	16.4	73.6	81.0	70.7	82.1	97.1	74.3

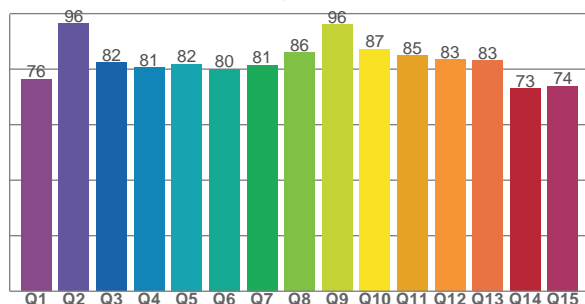
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
79.3	79.3	72.4	80.4	85.7	86.8	78.2	88.7	85.7	83.6	79.9	82.4	87.4	81.9	79.6	79.1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
76.3	96.4	82.3	80.6	81.8	80.1	81.5	85.9	96.1	87.3	85.0	83.4	83.1	72.9	74.0

**CQS: 81.8**



## 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	$\Delta uv$
2924 K	82.7	16.4	81.7	98.8	81.8	0.444	0.408	0.253	0.349	0.0007

## TM30 Details

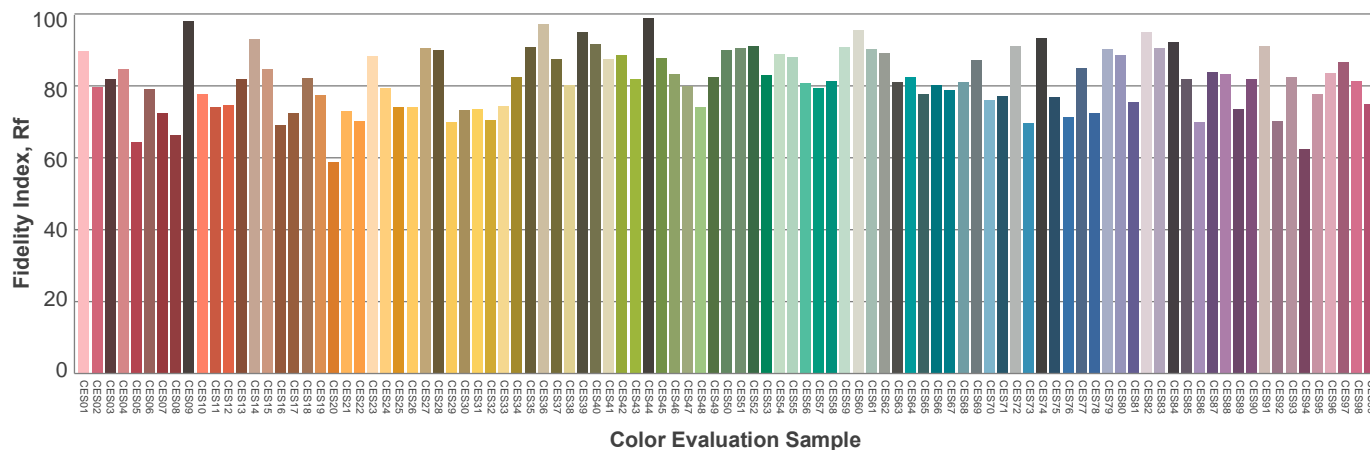
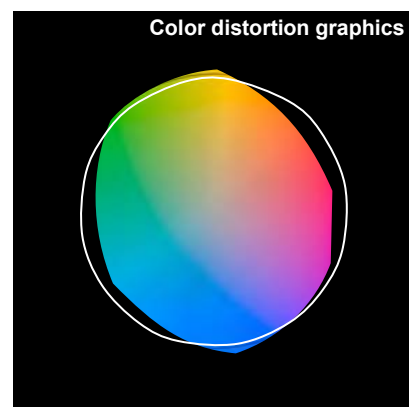
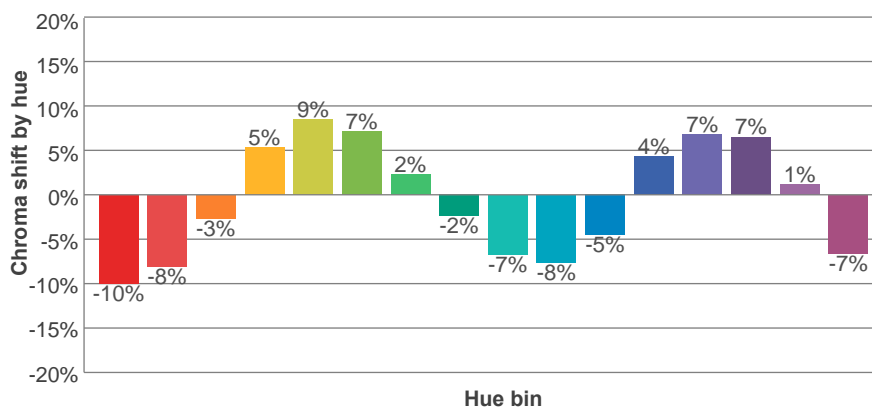
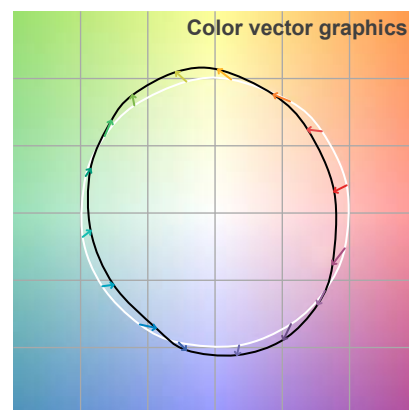
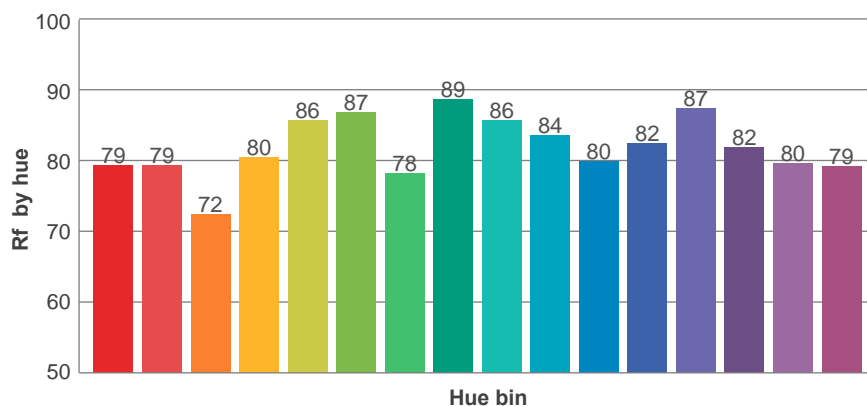
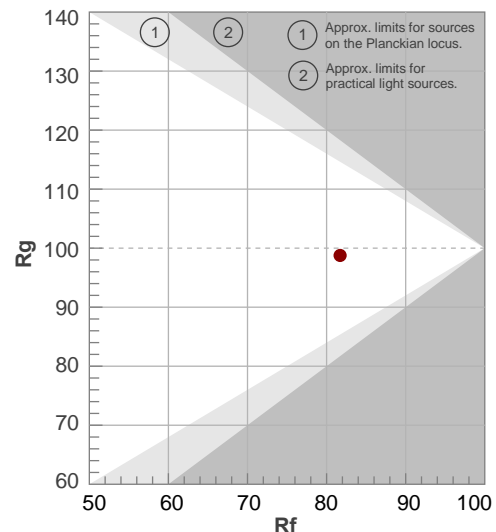
**Rf 81.7**

Fidelity index Rf

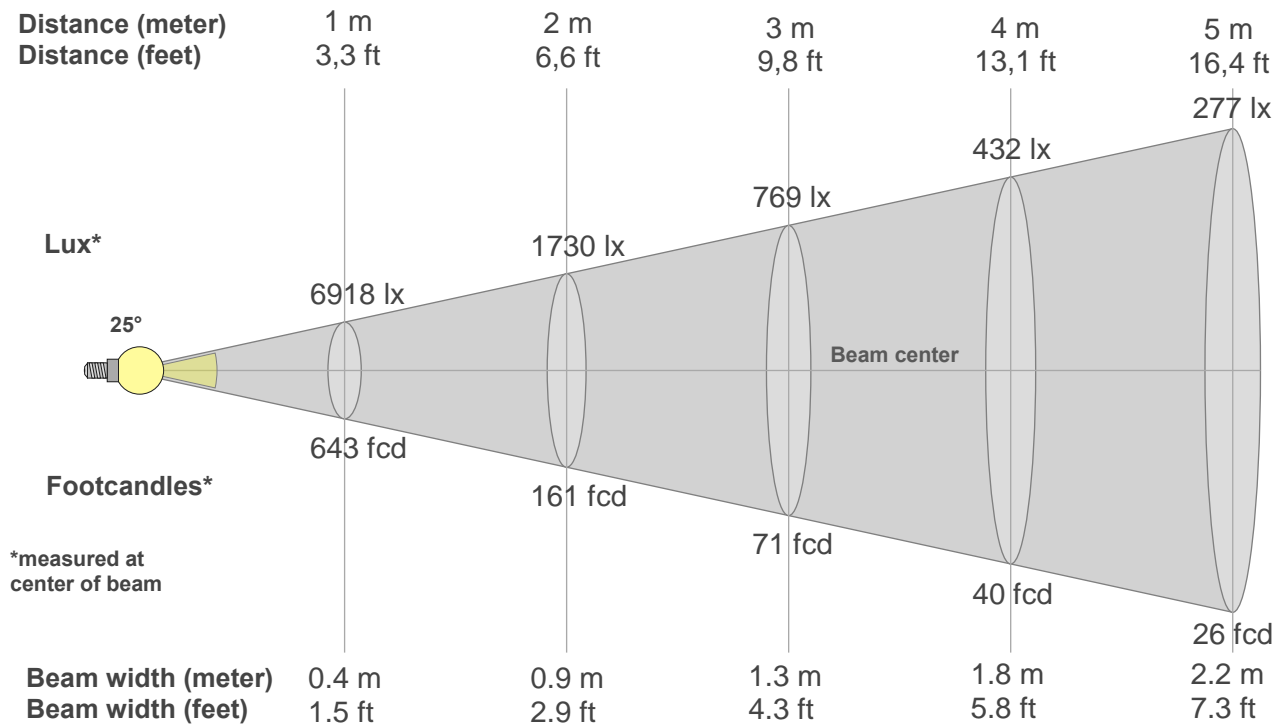
**Rg 98.8**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	79	-10%	-3%
2	79	-8%	7%
3	72	-3%	13%
4	80	5%	11%
5	86	9%	6%
6	87	7%	-3%
7	78	2%	-12%
8	89	-2%	-6%
9	86	-7%	-3%
10	84	-8%	4%
11	80	-5%	11%
12	82	4%	6%
13	87	7%	-3%
14	82	7%	-11%
15	80	1%	-11%
16	79	-7%	-13%



## 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
6918lx	1730lx	769lx	432lx	277lx	192lx	141lx	108lx	85lx	69lx	57lx	48lx	41lx	35lx	31lx	27lx	24lx	21lx	19lx	17lx
642.7fc	160.7fc	71.4fc	40.2fc	25.7fc	17.9fc	13.1fc	10fc	7.9fc	6.4fc	5.3fc	4.5fc	3.8fc	3.3fc	2.9fc	2.5fc	2.2fc	2fc	1.8fc	1.6fc

### 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°
6918	6918	6918	6301	5321	4383	3646	2908	2416	2021	1670	1445	1220	1060	917	771	618	466	330	197
100%	100%	100%	91%	77%	63%	53%	42%	35%	29%	24%	21%	18%	15%	13%	11%	9%	7%	5%	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°
6918	6918	6918	6301	5321	4383	3646	2908	2416	2021	1670	1445	1220	1060	917	771	618	466	330	197
100%	100%	100%	91%	77%	63%	53%	42%	35%	29%	24%	21%	18%	15%	13%	11%	9%	7%	5%	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°
6918	6918	6918	6301	5321	4383	3646	2908	2416	2021	1670	1445	1220	1060	917	771	618	466	330	197
100%	100%	100%	91%	77%	63%	53%	42%	35%	29%	24%	21%	18%	15%	13%	11%	9%	7%	5%	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°
6918	6918	6918	6301	5321	4383	3646	2908	2416	2021	1670	1445	1220	1060	917	771	618	466	330	197
100%	100%	100%	91%	77%	63%	53%	42%	35%	29%	24%	21%	18%	15%	13%	11%	9%	7%	5%	3%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
25°	62.1°	76.7°	99.8%	99.7%