

Light efficiency:

**79 Lumen/Watt**

Light quality:

**CRI: 84.0**

Color temperature:

**3051 K**

**Output: 1611 lm**

**Peak: 3165 cd**

**Power: 20.5 W**

**PF: 0.97**

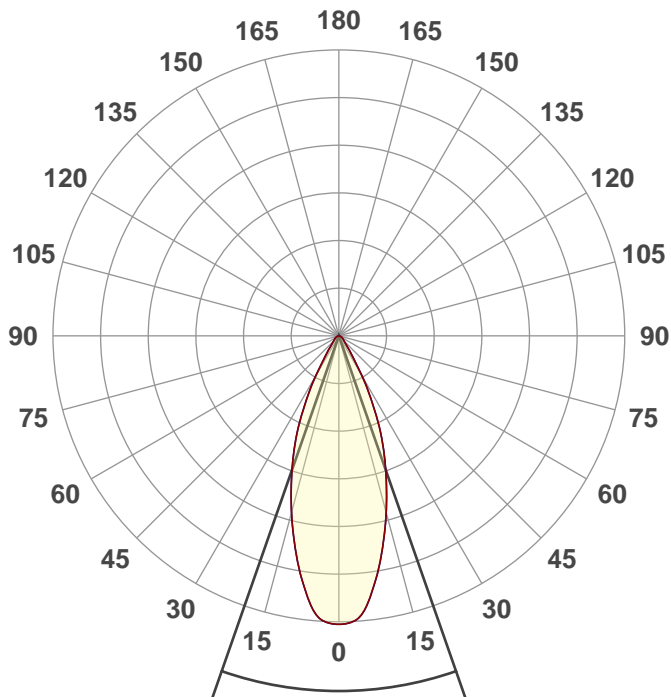


Product name:

**624-RD-SW-25LM-30K-80-D40-120-DIM10-NC-WH-WH**

Date and time:

**9/27/2018 12:16:48 PM**



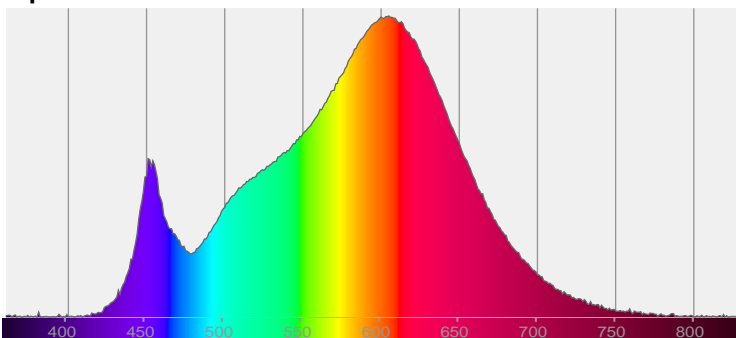
Beam angle

**38.5°**

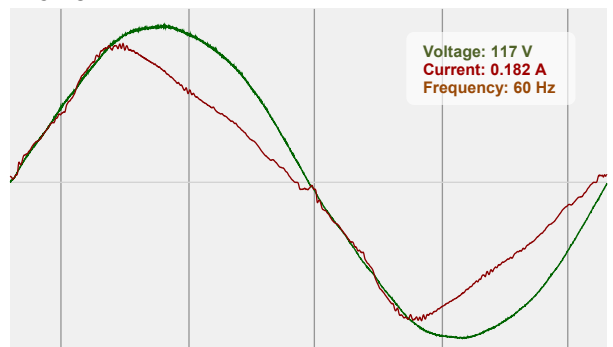


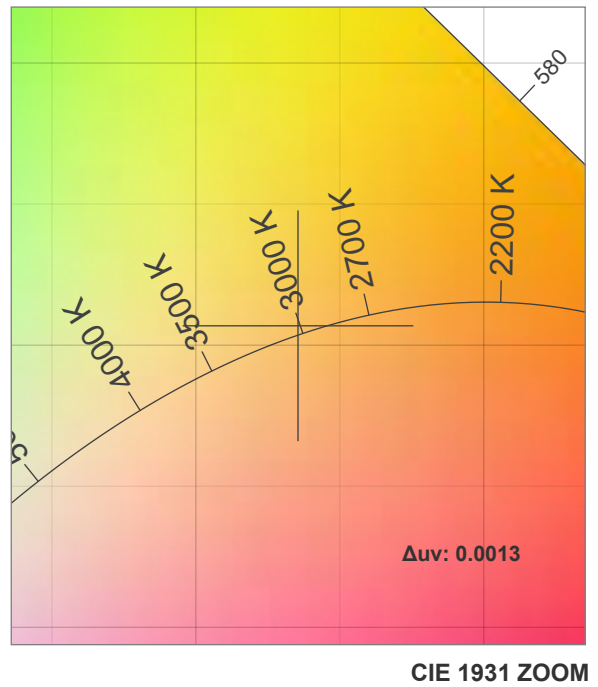
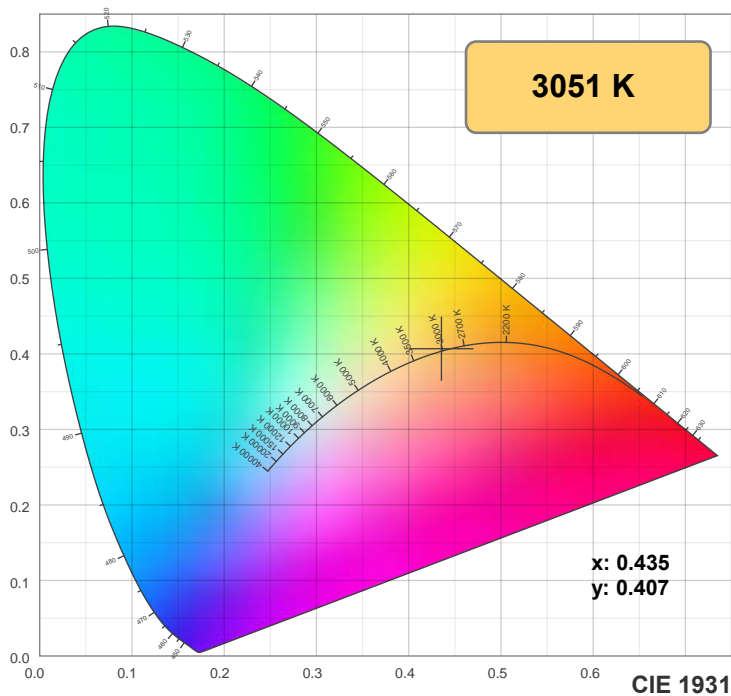
CIE 1931  
x: 0.435  
y: 0.407

Spectra

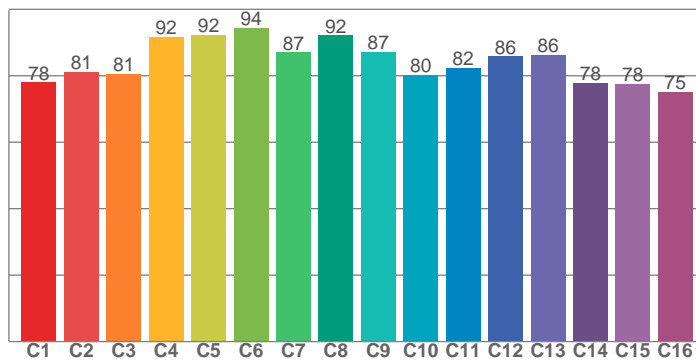


Power

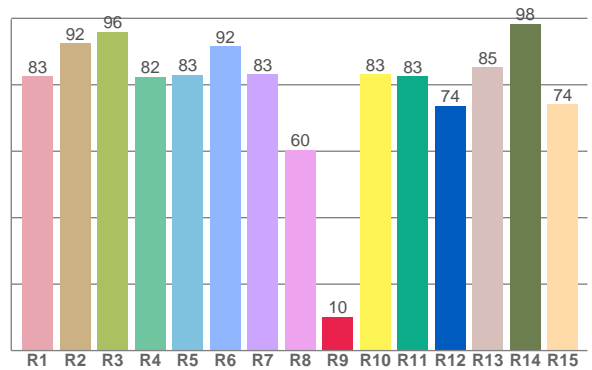




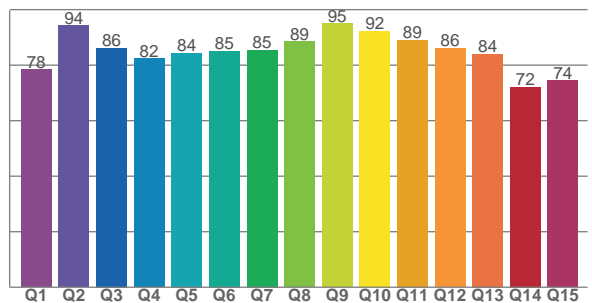
**TM30: 84.5**



**CRI: 84.0 (R1-R8)**



**CQS: 83.8**



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
82.7	92.5	96.0	82.4	83.0	91.5	83.3	60.4	10.2	83.1	82.5	73.7	85.2	98.4	74.0

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
78.1	81.1	80.6	91.7	92.3	94.4	87.0	92.1	87.3	80.3	82.4	85.8	86.2	77.9	77.5	75.2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
78.4	94.3	86.1	82.4	84.4	85.1	85.4	88.5	95.0	92.3	89.1	86.1	84.1	72.1	74.4

## 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
3051 K	84.0	10.2	84.5	94.7	83.8	0.435	0.407	0.248	0.348	0.0013

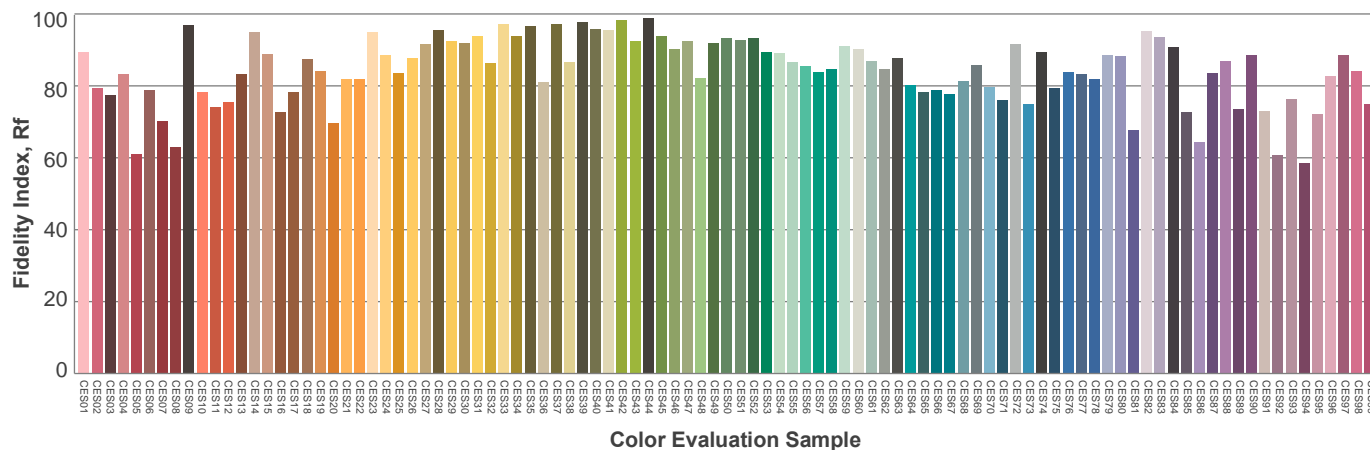
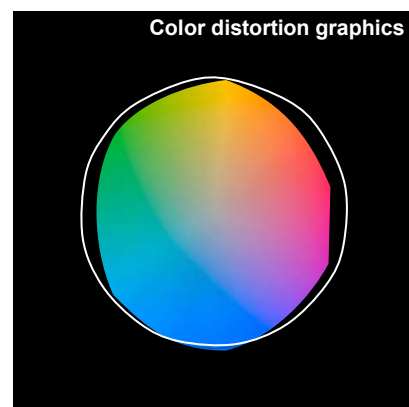
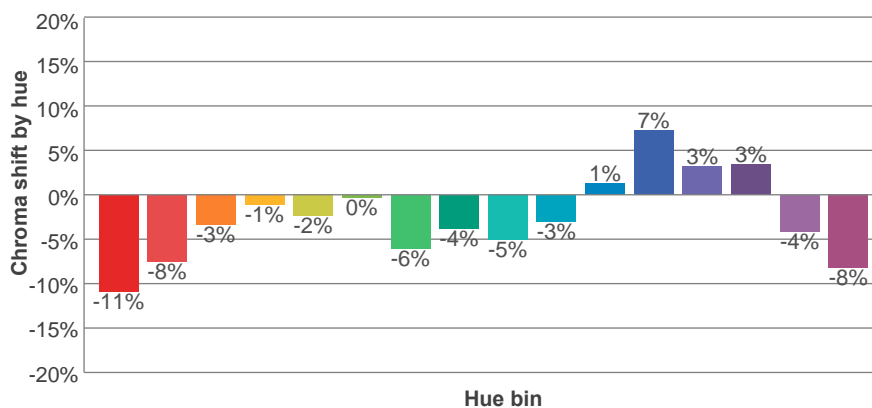
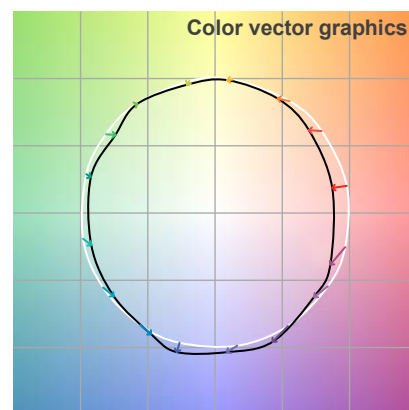
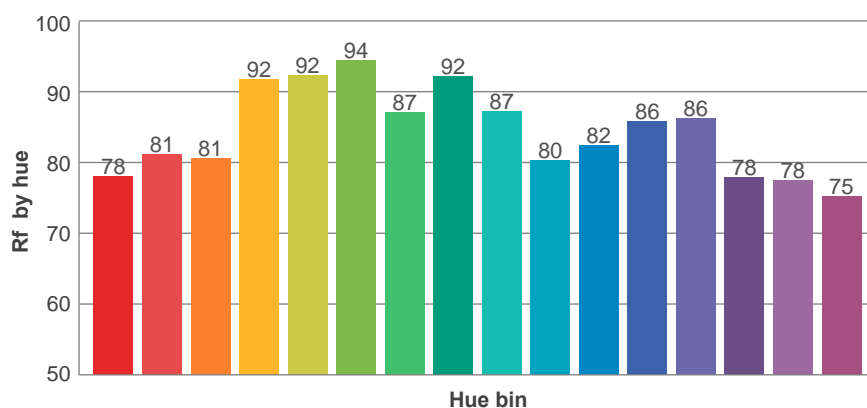
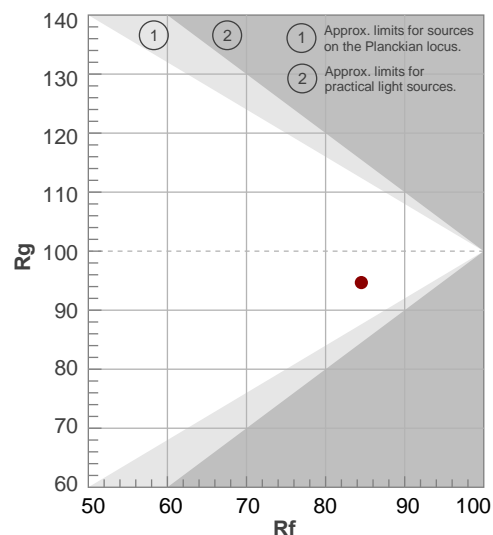
**Rf 84.5**

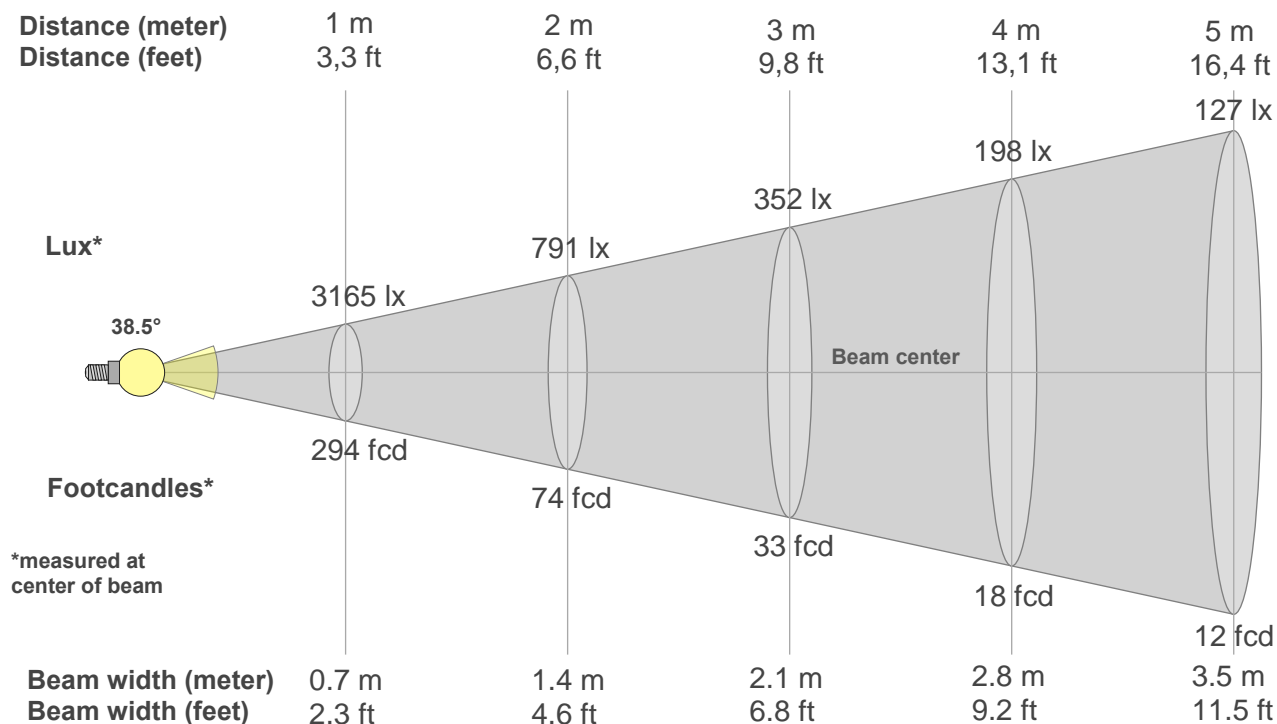
Fidelity index Rf

**Rg 94.7**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	78	-11%	1%
2	81	-8%	6%
3	81	-3%	8%
4	92	-1%	4%
5	92	-2%	2%
6	94	0%	-2%
7	87	-6%	-4%
8	92	-4%	1%
9	87	-5%	6%
10	80	-3%	10%
11	82	1%	11%
12	86	7%	-1%
13	86	3%	-9%
14	78	3%	-16%
15	78	-4%	-12%
16	75	-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
3165lx	791lx	352lx	198lx	127lx	88lx	65lx	49lx	39lx	32lx	26lx	22lx	19lx	16lx	14lx	12lx	11lx	10lx	9lx	8lx
294.1fcd	73.5fcd	32.7fcd	18.4fcd	11.8fcd	8.2fcd	6fcd	4.6fcd	3.6fcd	2.9fcd	2.4fcd	2fcd	1.7fcd	1.5fcd	1.3fcd	1.1fcd	1fcd	0.9fcd	0.8fcd	0.7fcd

### 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°
3165	3165	3134	2966	2798	2591	2369	2148	1931	1713	1508	1307	1105	902	698	538	383	270	209	148
100%	100%	99%	94%	88%	82%	75%	68%	61%	54%	48%	41%	35%	28%	22%	17%	12%	9%	7%	5%

### 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°
3165	3165	3134	2966	2798	2591	2369	2148	1931	1713	1508	1307	1105	902	698	538	383	270	209	148
100%	100%	99%	94%	88%	82%	75%	68%	61%	54%	48%	41%	35%	28%	22%	17%	12%	9%	7%	5%

### 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°
3165	3165	3134	2966	2798	2591	2369	2148	1931	1713	1508	1307	1105	902	698	538	383	270	209	148
100%	100%	99%	94%	88%	82%	75%	68%	61%	54%	48%	41%	35%	28%	22%	17%	12%	9%	7%	5%

### 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°
3165	3165	3134	2966	2798	2591	2369	2148	1931	1713	1508	1307	1105	902	698	538	383	270	209	148
100%	100%	99%	94%	88%	82%	75%	68%	61%	54%	48%	41%	35%	28%	22%	17%	12%	9%	7%	5%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
38.5°	65.7°	92.1°	96.9%	92.1%