

Light efficiency:

**69 Lumen/Watt**

Light quality:

**CRI: 82.8**

Color temperature:

**2910 K**

**Output: 1304 lm**

**Peak: 3026 cd**

**Power: 19.0 W**

**PF: 0.99**

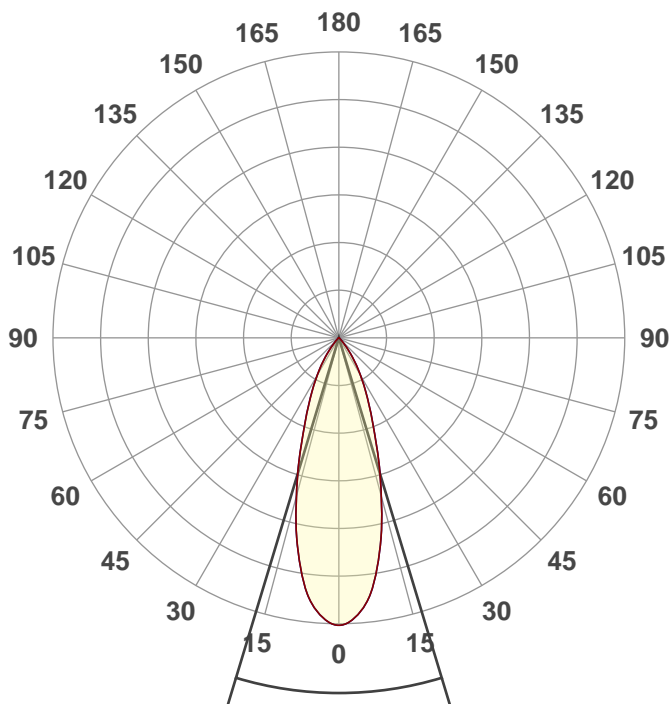


Product name:

**A15-3-XTM19-20LM-30K-83-S35-120-DIM10-WH-WH-P**

Date and time:

**1/23/2019 9:50:07 AM**



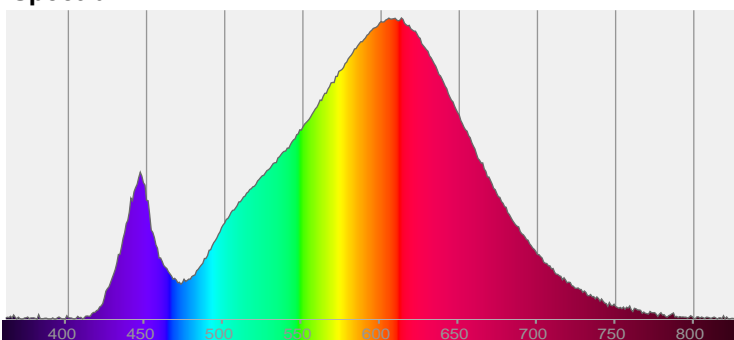
Beam angle

**33.7°**

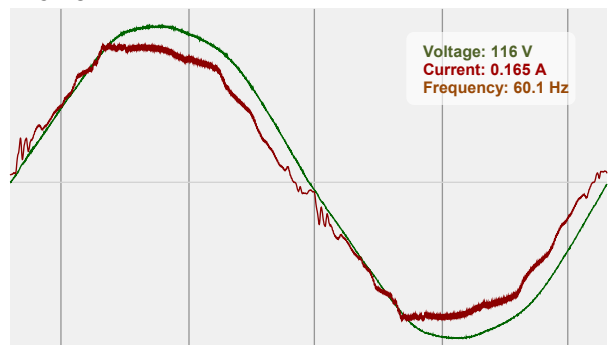


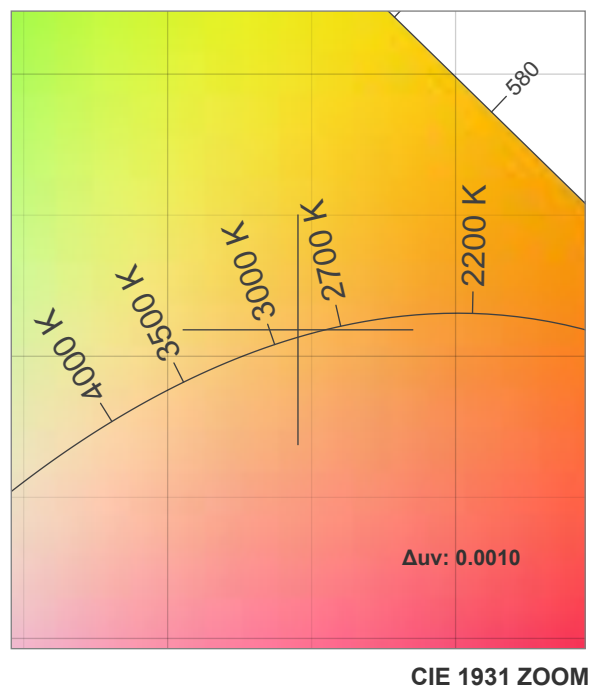
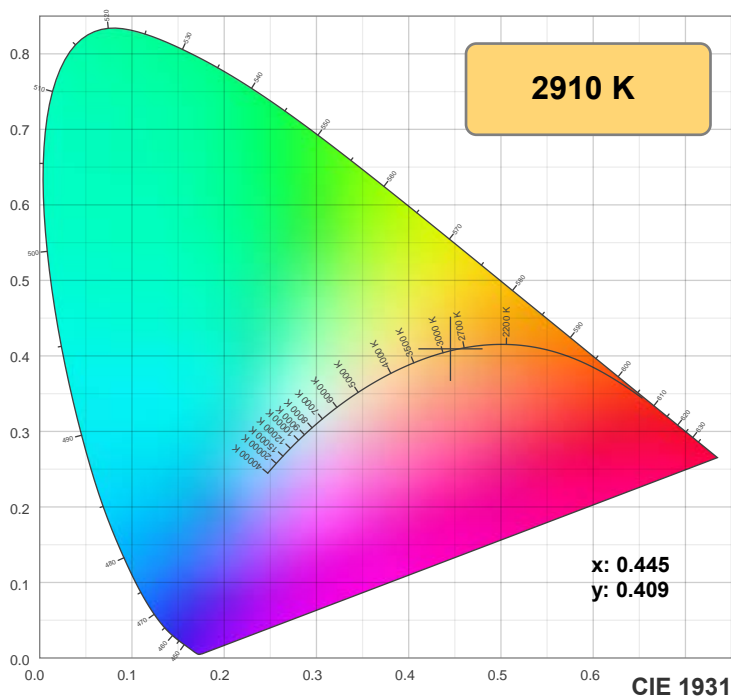
CIE 1931  
x: 0.445  
y: 0.409

Spectra

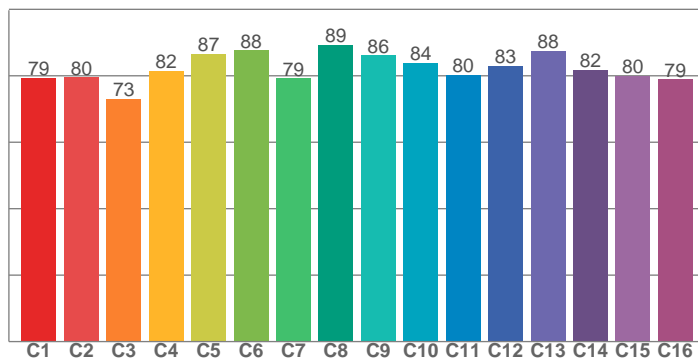


Power

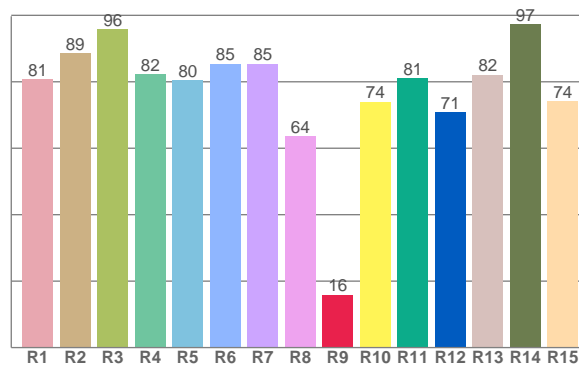




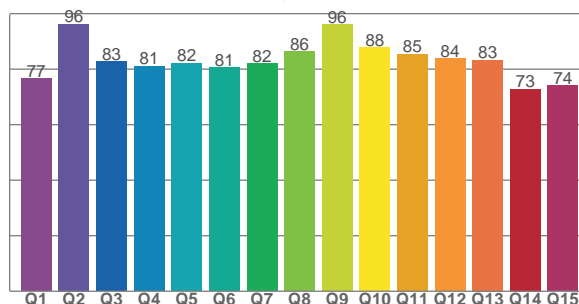
**TM30: 82.2**



**CRI: 82.8 (R1-R8)**



**CQS: 82.1**



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
80.8	88.6	95.8	82.2	80.4	85.4	85.5	63.7	15.9	74.0	81.0	70.9	82.1	97.3	74.2

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
79.3	79.5	73.1	81.5	86.7	87.6	79.2	89.3	86.2	83.9	80.3	82.9	87.6	81.8	80.0	78.9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
76.6	96.3	82.8	81.0	82.1	80.6	81.9	86.3	96.1	87.8	85.5	83.8	83.3	72.8	74.0

## 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	$\Delta uv$
2910 K	82.8	15.9	82.2	98.4	82.1	0.445	0.409	0.254	0.350	0.0010

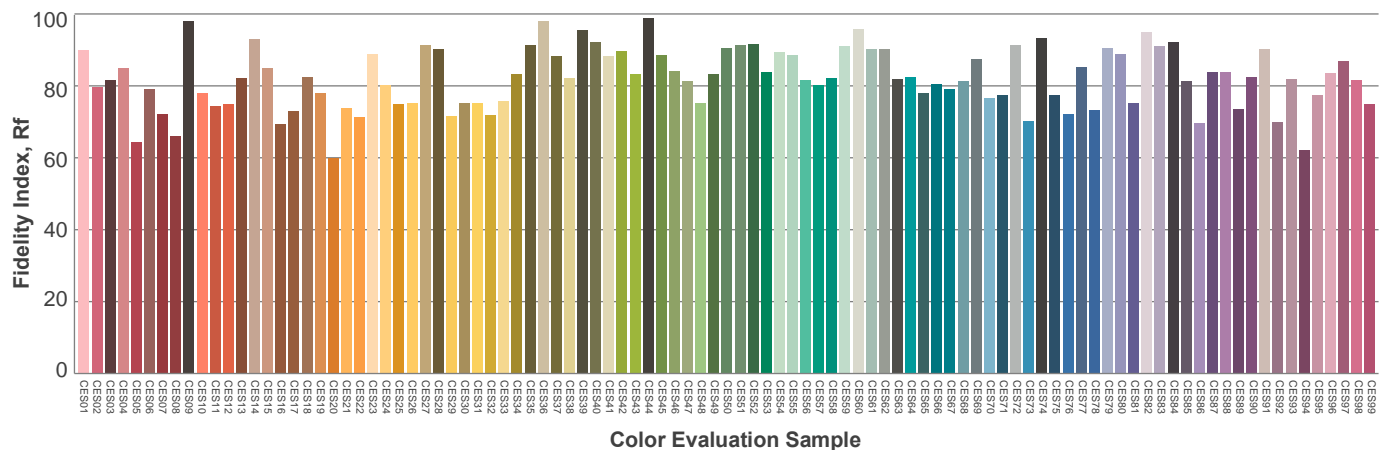
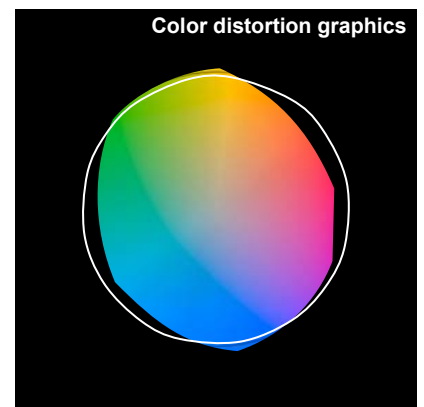
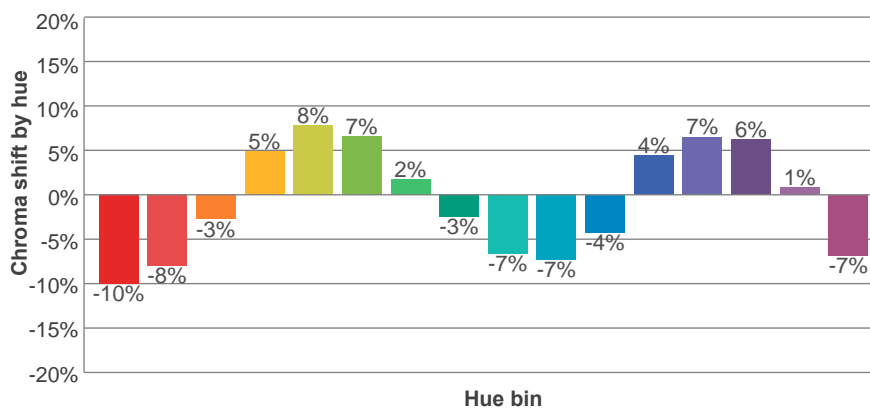
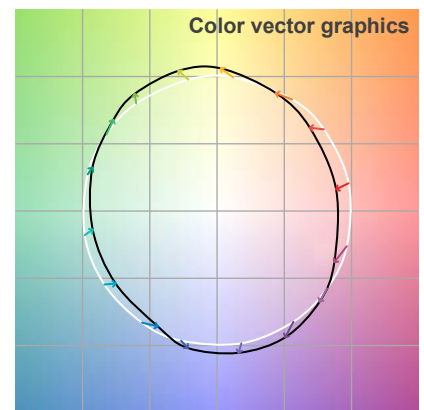
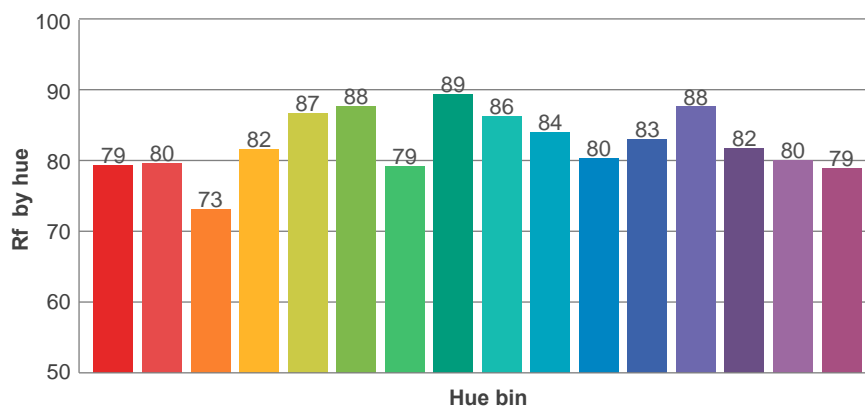
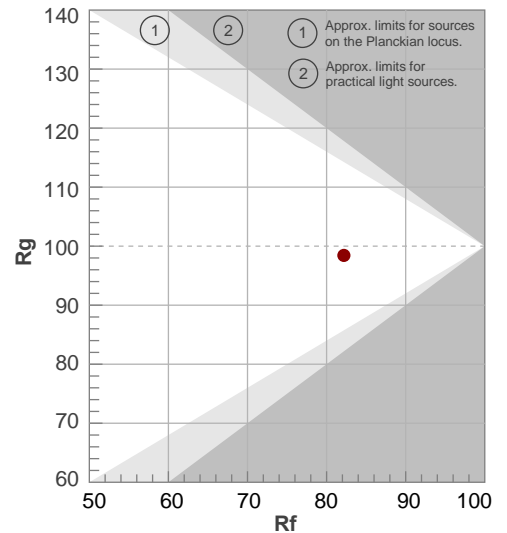
**Rf 82.2**

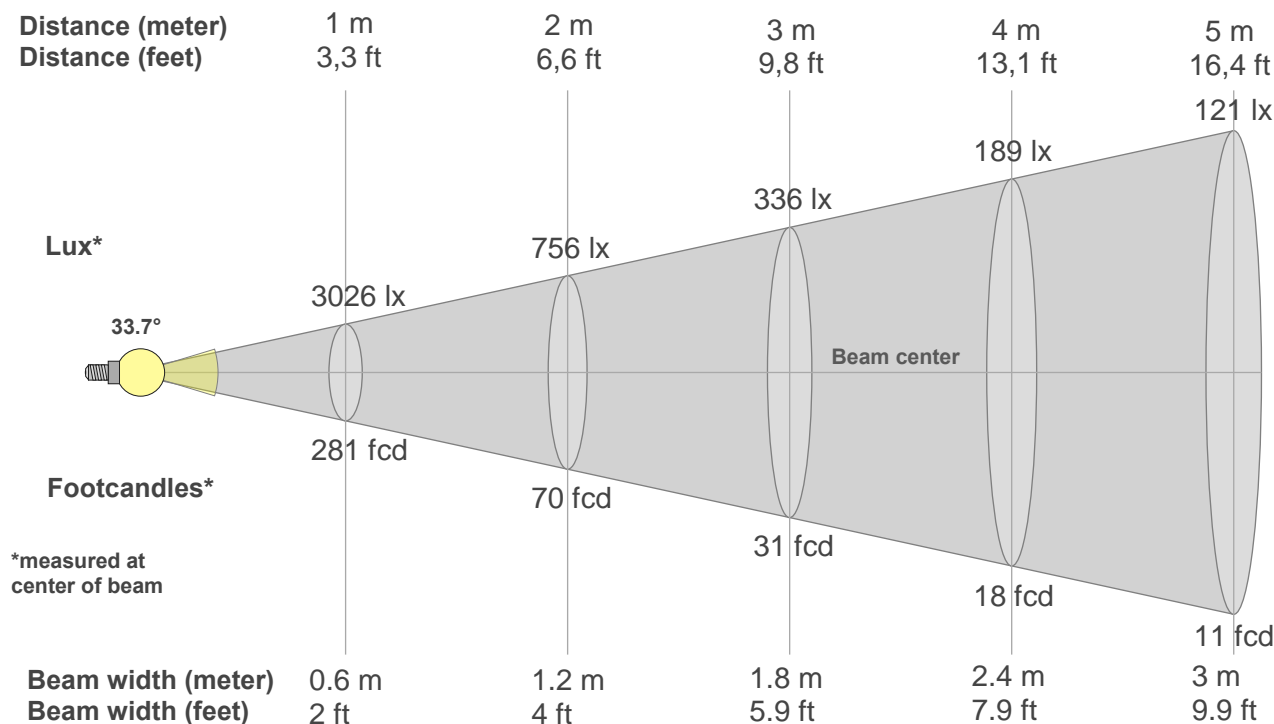
Fidelity index Rf

**Rg 98.4**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	79	-10%	-3%
2	80	-8%	7%
3	73	-3%	13%
4	82	5%	10%
5	87	8%	6%
6	88	7%	-3%
7	79	2%	-12%
8	89	-3%	-5%
9	86	-7%	-3%
10	84	-7%	4%
11	80	-4%	11%
12	83	4%	6%
13	88	7%	-3%
14	82	6%	-11%
15	80	1%	-11%
16	79	-7%	-13%





### 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
3026lx	756lx	336lx	189lx	121lx	84lx	62lx	47lx	37lx	30lx	25lx	21lx	18lx	15lx	13lx	12lx	10lx	9lx	8lx	8lx
281.1fcd	70.3fcd	31.2fcd	17.6fcd	11.2fcd	7.8fcd	5.7fcd	4.4fcd	3.5fcd	2.8fcd	2.3fcd	2fcd	1.7fcd	1.4fcd	1.2fcd	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°
3026	3026	2920	2806	2634	2399	2163	1894	1624	1384	1162	954	816	677	567	468	375	299	223	166
100%	100%	97%	93%	87%	79%	71%	63%	54%	46%	38%	32%	27%	22%	19%	15%	12%	10%	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°
3026	3026	2920	2806	2634	2399	2163	1894	1624	1384	1162	954	816	677	567	468	375	299	223	166
100%	100%	97%	93%	87%	79%	71%	63%	54%	46%	38%	32%	27%	22%	19%	15%	12%	10%	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°
3026	3026	2920	2806	2634	2399	2163	1894	1624	1384	1162	954	816	677	567	468	375	299	223	166
100%	100%	97%	93%	87%	79%	71%	63%	54%	46%	38%	32%	27%	22%	19%	15%	12%	10%	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°
3026	3026	2920	2806	2634	2399	2163	1894	1624	1384	1162	954	816	677	567	468	375	299	223	166
100%	100%	97%	93%	87%	79%	71%	63%	54%	46%	38%	32%	27%	22%	19%	15%	12%	10%	7%	5%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33.7°	67.8°	83°	99.0%	97.4%